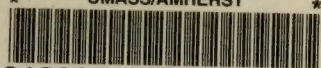


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THE —————*

* AMERICAN *

—————* FLORIST.

A WEEKLY JOURNAL FOR THE TRADE.

VOLUME XXXIV.

January 29 to July 23, 1910.

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CHICAGO:  
AMERICAN FLORIST COMPANY.  
1910.



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# THE AMERICAN FLORIST



*America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."*

Vol. XXXIV.

CHICAGO AND NEW YORK, JANUARY 29, 1910.

No. 1130

## THE AMERICAN FLORIST

TWENTY-FIFTH YEAR.

Copyright, 1910, by American Florist Company.  
Entered as Second-Class Matter Nov. 11, 1891,  
at the Post Office at Chicago, Illinois,  
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

**AMERICAN FLORIST COMPANY,**

324 Dearborn St., Chicago,

Long Distance Phone: Harrison 7465.

Eastern Office: 1133 Broadway, New York.

Philadelphia, Pa.: Robt. Kift, 1725 Chestnut St.

Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a year; Canada, \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from the trade. Volumes half yearly from August, 1901.

Address all correspondence, subscriptions, etc., American Florist Co., 324 Dearborn St., Chicago.

### SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—F. R. PIERSON, Tarrytown, N. Y., Pres.; FRED W. VICK, Rochester, N. Y., Vice-Pres.; H. B. DORNER, Urbana, Ill., Sec'y; H. B. BEATTY, Pittsburg, Pa., Treas. Next meeting at Rochester, N. Y., August, 1910.

### THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at Boston, Mass., March, 1911. ALBERT M. HERR, Lancaster, Pa., President; A. F. J. BAUR, Thirty-eighth St. and Senate Ave., Indianapolis, Ind., Secretary.

### AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at New York, March 16-18, 1910. AUG. POEHLMANN, Chicago, President; BENJAMIN HAMMOND, Fish-kill-on-Hudson, N. Y., Secretary.

### AMERICAN PEONY SOCIETY.

Seventh annual meeting at Horticultural Hall, Boston, Mass., June 1910. B. H. FARR, Reading Pa., Pres.; A. H. FEWKES, Newton Highlands, Mass., Sec'y.

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## AMERICAN CARNATION SOCIETY

Nineteenth Annual Meeting, Pittsburg, Pa., January 26-27, 1910.

Next Meeting at Boston, Mass., March, 1911.

### Convention Proceedings.

The Pittsburg Florists' and Gardeners' Club has every reason to feel proud of its success in entertaining the American Carnation Society at its nineteenth annual convention. The arrangements for the meeting and exhibition left nothing to be desired. There was ample accommodation for



Fred Burki.

President-Elect American Carnation Society.

The meeting room was full when President Burke of the local florists' club took the chair and introduced Prof. John Brashear, who cordially welcomed the visitors, Robert Craig responding. President Herr of the American Carnation Society was then called to the chair, and presented his address, which was followed by the reports of Secretary Baur and Treasurer Dörner. Invitations for place of meeting in 1911 were next in order and three were read from Milwaukee, including one from the florists' club of that city. At the Indianapolis convention last year Milwaukee gave way to Pittsburg on something of an understanding that the former city would be given preference for the 1911 event. Chairman Pierson of the National Flower Show committee sprung a surprise in nominating Boston, urging that all the special societies join the Society of American Florists in making the exhibition scheduled for March, 1911, the greatest event of American floriculture. This proposition was supported by ex-Presidents Rudd, Valentine and Craig, and was received with general favor. In the nomination of officers for next year, Messrs. Burki, Baur and Dörner were the only nominees for president, secretary and treasurer respectively. Secretary Baur then presented the judges' report, which was followed by W. T. Bell's admirable paper.

### Thursday's Proceedings.

At the morning session C. L. Washburn read his paper favoring a united exhibition and meeting of the carnation and rose societies. Eugene Dailledouze spoke in opposition, giving as his principal objection the difficulty of selecting a date suitable for both organizations. Joseph H. Hill then read an eminently practical paper on carnation culture. The recommendations of Chairman Nicholson of the committee on the president's address and secretary's report result-

everyone and everything at the Fort Pitt hotel, the management of which showed the visitors all courtesy. The exhibition was fully up to the average in the number of entries and exhibits and the quality of the stock, notwithstanding the dull, dark, weather generally experienced, showed considerable advance over previous efforts. There was a good, representative attendance, New York and vicinity leading in numbers.





Albert M. Herr, President.



A. F. J. Baur, Secretary.



F. E. Dorner, Jr., Treasurer.

## OFFICERS OF THE AMERICAN CARNATION SOCIETY.

ed in the increase of the secretary's salary to \$250 per annum and increasing the penalty on late entries from \$1 to \$2. The contest on next year's meeting place was in favor of Boston, that city receiving 57 votes against 25 for Milwaukee. The next meeting, therefore, will be held in the eastern city March, 1911. E. Allan Peirce was nominated for the vice-presidency.

At the afternoon session Fred Burki presented his paper and the officers already nominated were elected, including F. R. Pierson, as director, taking the place of Wm. Weber, retiring. The number of regular judges was increased from three to six and the new judges elected are Eugene Dailedouze, Jos. H. Hill and E. A. Stroud. W. N. Rudd, retiring this year, was re-elected. Invitations for the next convention were received from Rochester, N. Y. W. H. Breitensten was not present when his paper was called for and the secretary was instructed to receive and print it in the proceedings of the society. A committee to introduce members to their fellow-members was appointed as follows: Jos. H. Hill, R. Witterstaetter, Fred Burki, Eugene Dailedouze, M. A. Patten, W. N. Rudd, J. A. Valentine, S. S. Skidelsky. Committee on final resolutions: Wm. P. Craig, H. E. Dorner, M. A. Patten. Adjournment.

John Reimels, of Wood Haven, L. I., was seized with sudden illness on Wednesday and taken to the south side hospital Thursday, threatened with pneumonia.

The judges were W. N. Rudd, Morgan Park, Ill.; Wm. Nicholson, Framingham, Mass.; R. Witterstaetter, Cincinnati, O.; J. Birnie, West Hoboken, N. J.; E. Dailedouze, Brooklyn, N. Y., and M. A. Patten, Tewksbury, Mass.

The banquet was held at the Fort Pitt hotel, the headquarters of the American Carnation Society, on Thursday at eight o'clock in the evening. The viands were of the best and good feeling predominated.

## The Judges' Report.

## Section A—Vases of 100 Blooms.

White.—Cottage Gardens Co., Queens, N. Y., first, with Alma Ward; Strafford Flower Farms, Strafford, Pa., second.

Flesh pink, being those shades of pink of a flesh or salmon color.—F. Dorner & Sons Co., Lafayette, Ind., first, with No. 4206, and the same firm second with Pink Delight.

Light pink, being those lighter shades of pink verging on the true pink, and lighter than Lawson.—Cottage Gardens Co., first, with Mrs. C. W. Ward; Joseph Heacock Co., Wyncote, Pa., second, with Dorothy Gordon.

Dark pink, being as dark or darker than Lawson, including all so-called cerise not dark enough to be called red.—Nic. Zweifel, North Milwaukee, Wis., first, with Bright Spot; E. G. Hill Co., Richmond, Ind., second, with Afterglow.

Red or scarlet, to cover all shades generally included in these colors.—Cottage Gardens Co., first, with Beacon; F. Dorner & Sons Co., second, with Scarlet Glow.

Crimson, to cover those shades known as crimson and maroon.—The Wa-no-ka Greenhouses, Barneveld, N. Y., first, with Sultana; W. W. Coles, Kokomo, Ind., second, with Mrs. Walter W. Coles.

Yellow or yellow variegated.—E. G. Hill Co., Richmond, Ind., first, with J. W. Riley. Any other color.—H. Weber & Sons Co., Oakland, Md., first, with Toreador; Chicago Carnation Co., Joliet, Ill., second, with Conquest.

The Burki sweepstakes, \$25 for best vase in Section A.—Cottage Gardens Co., with Alma Ward.

## Section B—Vases of 50 Blooms.

White Enchantress.—A. T. Lorch, De Haven, Pa., first; A. C. Brown, Springfield, Ill., second.

White Perfection.—Chicago Carnation Co., first; Wagoner Floral Co., Columbia City, Ind., second.

Any other white.—A. T. Lorch, first, with White Lawson; Mt. Greenwood Cemetery Association, Morgan Park, Ill., second, with Mrs. J. C. Vaughan.

Enchantress.—Finleyville Floral Co., Finleyville, Pa., first; Wagoner Floral Co., second.

Any other flesh pink.—F. Dorner & Sons Co., first, with Pink Delight. Rose Pink Enchantress.—F. Dorner & Sons Co., first.

Winsor.—A. T. Lorch, first. Winona.—Finleyville Floral Co., first; E. G. Hill Co., second.

Mrs. Thos. W. Lawson.—A. T. Lorch, first. Afterglow.—E. G. Hill Co., first; A. C. Brown, second.

Any other dark pink.—Chicago Carnation Co., first, with Aristocrat.

Victory.—F. R. Pierson Co., Tarrytown on Hudson, N. Y., first.

Beacon.—Chicago Carnation Co., first; F. R. Pierson Co., second.

Any other scarlet.—Chicago Carnation Co., second, with Andrew Carnegie.

Any other crimson.—J. D. Cockcroft, Lockport, N. Y., first, with Harvard.

## Section C—Varieties Disseminated, 1909.

Vase 50 blooms Pink Delight, premiums offered by F. Dorner & Sons Co., Lafayette,

Ind.—Chicago Carnation Co., first; E. G. Hill Co., second.

Vase 50 blooms Mrs. Chas. Knopf, premiums offered by Chas. Knopf Floral Co., Richmond, Ind.—Chicago Carnation Co., first.

Vase 50 blooms May Day, premiums offered by E. T. Grove, Richmond, Ind.—E. G. Hill Co., first; W. Frank & Sons, Portland, Ind., second.

Vase 50 blooms O. P. Bassett, premiums offered by Bassett & Washburn, Chicago.—Chicago Carnation Co., first.

Vase 50 blooms Wa-no-ka, premiums offered by Wa-no-ka Greenhouses, Barneveld, N. Y.—W. A. Rowland, Whitesboro, N. Y., first.

Vase 50 blooms Apple Blossom, premiums offered by Wa-no-ka Greenhouses, Barneveld, N. Y.—W. A. Rowland, first.

Vase 50 blooms Georgia, premiums offered by Jas. D. Cockcroft, Northport, N. Y.—Walter Thomas, first.

Vase 50 blooms Gov. Deneen, premiums offered by A. C. Brown, Springfield, Ill.—Chicago Carnation Co., first.

Vase 50 blooms Alvina, premiums offered by Henry Eichholz, Waynesboro, Pa.—Chicago Carnation Co., first.

## American Carnation Society's Medals.

Gold medal for the best vase of 100 blooms, any variety, any color.—F. Dorner & Sons Co., with Hoosier Lad.

Silver medal for the second best vase of 100 blooms, any variety, any color.—R. Witterstaetter, Cincinnati, O., with President Valentine.

Bronze medal for the third best vase of 100 blooms, any variety, any color.—Dailedouze Bros., Brooklyn, N. Y., with White House.

## Society of American Florists' Medals.

Silver medal for the best vase of 50 blooms of a carnation of American origin not yet disseminated.—Cottage Gardens Co., with Mrs. C. W. Ward.

Bronze medal for the second best vase of 50 blooms of a carnation of American origin not yet disseminated.—Cottage Gardens Co., with Alma Ward.

## Certificates of Merit.

[To receive a certificate of merit a variety must score 85 points or over.]

Wa-no-ka Greenhouses, Sultana, 87 points; Rainbow, 85 points.

E. G. Hill Co., Annie Mae, 85 points.

R. Witterstaetter, No. 14076, 85 points; President Valentine, 86 points.

Miami Floral Co., Dayton, O., Miami Queen, 78 points.

W. W. Coles, Mrs. Walter W. Coles, 86 points.

F. R. Pierson Co., No. 40, 79 points.

## Preliminary Certificates.

Baur & Smith, Indianapolis, Ind., No. 653, 79 points.

Finleyville Floral Co., No. 163, 80 points.

A certificate of merit was recommended for the Pittsburg Cut Flower Co.'s handsome display of 10 vases of standard varieties.

Honorable mention was given Baur & Smith for handsome vases of Shasta and Rose Pink May, to the Lamborn Floral Co., Alliance, O., for display of carnations, and to J. A. Peterson, Cincinnati, O., for his new begonia, Glory of Cincinnati.





MEMBERS OF THE EXECUTIVE COMMITTEE OF THE AMERICAN CARNATION SOCIETY.  
James S. Wilson.



W. W. Gammage.



Wm. Weber.

#### Visitors.

Gus Adrian, Cincinnati, O.  
Geo. Asmus, Chicago.  
Fritz Bahr and wife, Highland Park, Ill.  
Harry Balsley, Detroit, Mich.  
M. Barker, Chicago.  
Geo. Bartholomew and wife, Dayton, O.  
A. F. J. Baur, Indianapolis, Ind.  
Chas. Beckman, Elmhurst, N. Y.  
John Bertermann, Indianapolis, Ind.  
John Birnie, W. Hoboken, N. J.  
A. C. Brown, Springfield, Ill.  
R. L. Brown, Queens, N. Y.  
Harry A. Bunyard, New York.  
J. D. Cockcroft, Northport, L. I., N. Y.  
W. W. Coles and wife, Kokomo, Ind.  
D. T. Connor, Philadelphia, Pa.  
Robert Craig, Philadelphia, Pa.  
Wm. P. Craig, Philadelphia, Pa.  
Chas. Critchell, Cincinnati, O.  
Carl Cropp, Chicago.  
E. Dailledouze and wife, Brooklyn, N. Y.  
T. B. Deforest, New York.  
F. E. Dörner, Lafayette, Ind.  
H. B. Dörner, Urbana, Ill.  
C. P. Dudley, Parkersburg, W. Va.  
J. R. Fotheringham, Tarrytown, N. Y.  
J. French, Chicago.  
G. R. Gause, Richmond, Ind.  
Emil Glauber, Montclair, Colo.  
Herbert Greensmith, Cincinnati, O.  
Benj. Hammond, Fishkill, N. Y.  
Ed. Harvey, Brandywine Summit, Pa.  
A. E. Haugh, Anderson, Ind.  
Jos. Heacock, Wyncote, Pa.  
Jos. J. Hellenthal, Columbus, O.  
C. D. Hennon, Wampun, Pa.  
A. M. Herr and wife, Lancaster, Pa.  
Ed. Herron, Mansfield, O.  
Joseph H. Hill, Richmond, Ind.  
H. P. Hostetter, Manheim, Pa.  
H. H. Hulse, New York.  
H. V. Hunkel, Milwaukee, Wis.  
Geo. W. Jack, Springfield, Ill.  
Robt. Jamison, Philadelphia, Pa.  
C. W. Johnson, Morgan Park, Ill.  
James E. Jones, Richmond, Ind.  
L. B. Judson, Ithaca, N. Y.  
Chas. Knopf and wife, Buffalo, N. Y.  
Louis Knopf, Richmond, Ind.  
Anton Krut, Butler, Pa.  
Fred Lautenschlager, Chicago.  
W. A. Manda, South Orange, N. J.  
A. Miller, Chicago.  
G. D. Millsbaugh, Detroit, Mich.  
Ray Murphy, Cincinnati, O.  
Wm. F. Murphy, Cincinnati, O.  
B. S. Myers, Buffalo, N. Y.  
Wm. Nicholson, Framingham, Mass.  
Peter Olsem, Joliet, Ill.  
O'Mara, New York.  
Wm. J. Palmer and wife, Buffalo, N. Y.  
M. A. Patten, Tewksbury, Mass.  
E. Allen Peirce, Waltham, Mass.  
Henry Penn, Boston, Mass.  
J. H. Pepper, New York.  
W. E. Pera, Hillegom, Holland.  
J. A. Peterson and wife, Cincinnati, O.  
F. R. Pierson, Tarrytown, N. Y.  
Aug. Poehlmann, Chicago.  
A. T. Pyfer, Joliet, Ill.  
Louis J. Reuter, Westerly, R. I.  
W. L. Rock, Kansas City, Mo.  
H. D. Rohrer, Lancaster, Pa.  
Joseph Rolker, New York.  
W. N. Rudd, Morgan Park, Ill.  
S. S. Skidelsky, Philadelphia, Pa.  
Harry Snape, Tarrytown, N. Y.  
J. N. Spanabel, East Palestine, O.

(FOR ADDITIONAL VISITORS SEE PAGE 13.)

#### President Herr's Address.

Your president extends greeting and a welcome to our sessions; we hope to have them interesting enough to have you at each one of them. This society was organized in Philadelphia, and the first regular meeting held in New York, but it always seemed to me that it took the second annual meeting in this city to get us thoroughly acquainted with each other and Pittsburgh will always be a bright spot in the memory of those of us who were fortunate enough to have attended that meeting. Those of us who are here today will no doubt long remember the nineteenth annual meeting and our Pittsburgh welcome.

#### GETTING ACQUAINTED.

Getting acquainted is one of the chief benefits to be derived from these gatherings. I know of several instances where men have attended our meetings for the first time and gone home having met but two or three members. In one instance on the train going home a new member told me that the only person who spoke to him during the whole convention was the secretary. In cases of this kind the individual himself is largely to blame, but we should, during the few days we are together, be a more universal brotherhood, and have at least a "howdy" for each and every visitor. I would suggest a permanent committee of introduction and information to whom strangers can apply for assistance in getting acquainted.

#### IMPROVING BUSINESS METHODS.

Can we make our meetings more interesting and profitable to ourselves and our flowers than they now are? We have told and retold the story of production, the proper houses, etc.; there are, of course, new difficulties and advanced methods to discuss along these lines each year, but it seems to your president that we could and should devote at least one session to the improvement of our business methods; that they have improved no one can deny, but the improvement today over that of our meeting here 17 years ago is very little more than what

has been forced upon us by the general upward trend of all business. Other industries do not wait to have improvement forced upon them; they are continually searching for it, grasping and utilizing it.

We should know how much money each square foot of ground surface in our houses should bring us to meet our expenses, labor, heating, operation, wear and tear on the place. We should have a small but conspicuous tag attached to each bunch of flowers we send into market and let this tag follow them into the retail shop, so that in the course of time buyers would learn to ask for it and demand it as a guarantee of quality. This tag could be marked with the letters A. C. S. or some other special mark and the whole be copyrighted and for use only by paid up members of this society, and all infringements prosecuted. In addition to the special mark could be added the growers' name and the date the flowers were cut, this to be left to the discretion of each user. Poorly grown flowers and over-aged flowers by this method would soon be left in the race. To succeed and properly advance our business our flowers should give pleasure and satisfaction to the user and this suggestion is offered as a means to that end.

Can we improve our methods of selling carnations? Mr. Fox gave a talk in Philadelphia from the retailer's point of view on prices for special days of demand. We all know of instances when the retail market price of carnations was from \$1 to \$1.50 per dozen and the wholesale price was \$1 to \$1.25 per 100 less the 15 per cent commission to the middleman. This proportion between the grower and the retailer is not a good business proportion and if it were not for the advanced prices of special days the grower would be in a bad way. Adjustment will have to come some day and it should come through this society.

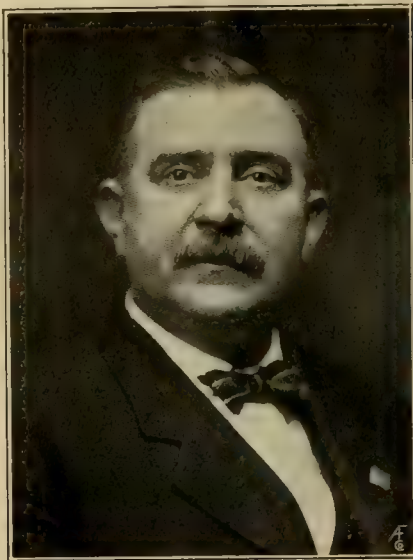
#### IS THERE OVERPRODUCTION?

Is there overproduction of carnation blooms? I was told by a Pittsburgh man that if roses had been plen-





P. J. Demas.



Julius W. Ludwig.



E. J. McCallum.

tiful for Christmas, carnations would have gone begging. All hail to the rose! but carnations have their devotees as well, and if given to them in proper shape and form I believe the day of overproduction is far in the future, providing the retailer, the grower and the middleman can get together and work toward a mutual end. Let us put on our thinking caps and see what we can do toward this. At our previous meeting in this city we had a paper by Thos. Cartledge, who stood at the head of the Philadelphia retail trade. He reviewed the various carnations then grown by name, giving his retail experience with each as per this example: "Grace Wilder has been our leading pink, only because we could get it in quantity. Aurora has sold equally as well when we could get it although it sometimes shows a slaty, ashy purple tint when a little old." We want to grow "best sellers" and a review of this sort each season would help us find them out.

Our exhibitions will admit of some improvement as exhibitions to the public, but as an educator to the grower the lines on which we are working are as nearly right as we can hope to get them; as a guide to the buying of new sorts each individual will have to work that out for himself with the new flowers for comparison with older sorts in front of him.

#### REPORTS ON NOVELTIES.

There is one point I would like to see worked out and that is to have a report, from those who buy novelties the first year, sent in to the secretary on December 1 of the following winter, giving their honest opinion of the variety from the buyer's point of view. Let the secretary publish these reports in pamphlet form and send them to applying members only. The buying of novelties is an experiment from a profit point of view no matter how much we may try to eliminate it, but a pamphlet of this sort would be a great help to buyers of new sorts in their second year. If necessary this pamphlet could also be copyrighted. You will note that I am trying to make membership in this society a necessity to all live carnation growers.



DeForest W. Ludwig.

We need also a permanent committee of finance to devise ways and means for the procuring of the funds necessary to the welfare of this society. In closing I want to compliment this society on its choice of a secretary; a better one would be hard to find. His work has been especially arduous for this first year but it certainly has been faithfully performed. Our secretary should have at least \$250 per year and the work would be cheaply done at that. Let us all work toward getting this society to the position it should hold and the prosperity of our society will bring prosperity to all its members.

FRED BURKI made a brave fight for Milwaukee.

JOHN A. EVANS was unfortunately delayed by a family bereavement, but was on hand with his order book on the second day.

BEGONIA PETERSON meant no harm when he called for that axe beyond opening up a superb display of Glory of Cincinnati, his new specialty.

#### Secretary Baur's Report.

Your secretary begs leave to report on the last year's work as follows: The former secretary, who is now our worthy president, turned over the secretary's office to me in good condition on April 1 of last year. He had got out the annual report and finished up all the work connected with the last convention. Hence my report will not cover the whole year.

#### MEMBERSHIP.

Our membership roll now contains 394 names. Of these 55 came in during the year 1909. Against these we have 27 who are delinquent for 1908 and 1909 and will be dropped from the roll except those who may pay up at this meeting. We also have about 50 who owe for 1909, but no doubt many of these will pay up here. During the past year four of our members have been called away from this life. They are: Geo. M. Kellogg, of Mt. Pleasant, Mo.; Herbert Heller, of New Castle, Ind.; Wm. K. Harris, of Philadelphia, Pa.; E. Sutermeister, of Readville, Mass. No official notice was received by your secretary of any of these deaths.

The board of directors at its meeting in Cincinnati, O., last August ordered the secretary to procure more vases, and have cases made for storing and shipping the vases from place to place. These have been secured, and it is hoped that our vases will be better preserved than could be done heretofore. We have also had made holders for securing name cards and entry cards to the cases. You will notice that these are so made, as to permit the cards to be printed and read from both sides. It will be unnecessary for anyone to handle the cards to read the name of the variety or the exhibitor. There will be less likelihood of confusion from getting the cards mixed in moving vases around. The premium list was got out early in December, as is customary. We were this year favored with a splendid lot of advertising, amounting to \$285. This will pay for all the printing and stationery con-

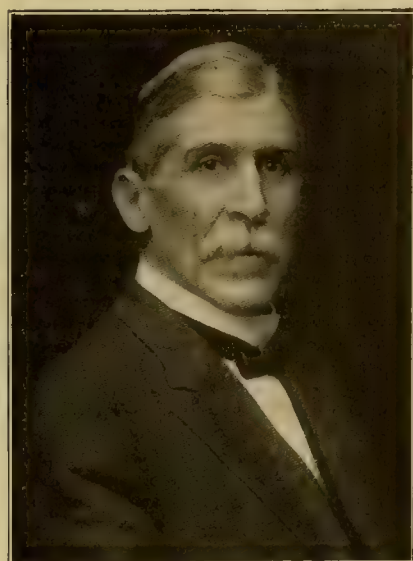




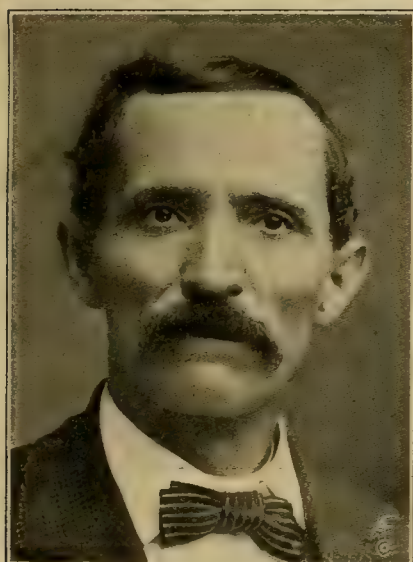
Wm. Falconer.



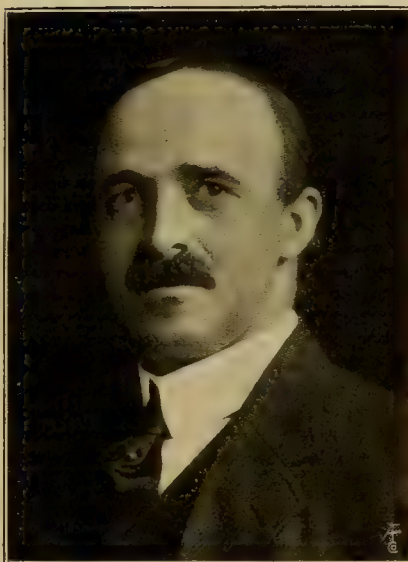
Chas. S. Crall.



E. C. Reineman.



John Bader.



Henry L. Blind.



P. S. Randolph.



A. W. Smith, Jr.



E. C. Ludwig.



John L. Wyland.

PROMINENT MEN IN THE TRADE OF PITTSBURG AND VICINITY.



nected with this convention and leave a balance of some \$150 to go into our treasury.

#### THE NOVELTY CLASS.

The greatest change in the list is the addition of the new section called section C for the previous season's novelties. It took considerable correspondence to get this section started, but after it became clear to the disseminators they responded liberally, and all except two have entered their varieties in this section. We hope that this arrangement will be a permanent one, and that in the future it will become customary for disseminators to list their varieties in this section without having to be coaxed. We have also divided the list in sections, designated by letters of the alphabet and numbered the classes in figures. In the judges' book we have adopted a system under which every entry has a different number, and it is impossible to recognize the owner of an exhibit by the number on another exhibit. In order to help make this system work smoothly I will ask this meeting to adopt some rule to limit the time for making entries in the competitive classes.

The rules printed in the list, requiring the payment of \$1 for each entry made after a certain date, does not seem to answer the purpose fully. It has never been enforced strictly, and unless a rule can be enforced strictly it cannot be made fair to everybody. We would suggest that one week before the convention opens all entries for competitive classes must be in the hands of the secretary. That will give him time to get everything into good shape before he leaves home, and the greatest cause of errors will be eliminated. The secretary should not be burdened at the convention with work which can just as well be done a week before he leaves home. In conclusion, I wish to thank the members for the interest shown by their ready responses to letters from the secretary, the vice-president and his local committees for the able manner in which they have handled the local preparations, and, most of all, my predecessor for his kindly advice and guidance during the past nine months.

#### • Treasurer Dorner's Report.

The following is Treasurer Dorner's report:

##### EXPENDITURES.

|                                  |                   |
|----------------------------------|-------------------|
| Paid orders on treasurer.....    | \$ 826.48         |
| Jan. 24, 1910, cash on hand..... | 283.68            |
|                                  | <b>\$1,110.16</b> |

##### RECEIPTS.

|                               |           |
|-------------------------------|-----------|
| Balance January 25, 1909..... | \$ 227.58 |
| Cash from secretary.....      | 759.30    |
| Cash from interest.....       | 123.28    |

**\$1,110.16**

##### PERMANENT FUND.

|                                |            |
|--------------------------------|------------|
| Reported January 25, 1909..... | \$2,375.31 |
| One life membership.....       | 50.00      |

**\$2,425.31**

PRESIDENT HERR made them step lively with business.

THE exhibition was the smoothest affair of the kind we have seen.

W. N. RUDD had to leave Wednesday evening on account of business.

HERBERT GREENSMITH, the new park superintendent of Cincinnati enjoyed meeting so many of his old eastern friends.

#### Joint Meetings of Car. and Rose Societies.

BY C. L. WASHBURN.



The question of the advisability of holding a joint convention of the American Carnation Society and the American Rose Society is best considered from a business standpoint. There are now held the Carnation

Society meeting, the Rose Society meeting, the S. A. F. meeting, the various Chrysanthemum Society shows and the various club shows. The aim of these conventions is to do the most good to the greatest number of people in the trade, but by holding so many meetings, we are dividing our energies into too many channels which causes less attention by the trade to each meeting than would be the case if some of these meetings were combined into one. All are good, no doubt, but what is needed is a little more united work.

The importance of a convention of the combined societies would be such that the growers could not afford to overlook it. Men who in the past have felt that the time taken up in attending so many minor meetings could not well be spared would be glad to attend this one larger meeting. To those whose business necessitates their attendance at both meetings the matter of reduced expenses would be an important item. Also the general reduction of expenses to each society by having the two share the expenses would be quite an item, while the same amount of business would be accomplished.

The carnation and rose men have similar objects in view when holding their meetings and we certainly need a larger attendance at these conven-

tions. This can only be obtained by increasing the membership of both societies. In order to increase this membership, it is necessary to increase the knowledge regarding our business and products to be obtained by attending these meetings. We are in the business as a money-making proposition and any knowledge which increases the earning capacity of our houses increases our profits. The advancement in new varieties, better methods of growing and better means of handling the flowers are all questions being constantly brought up at these conventions, so that a wider scope of investigation and a wider discussion of these questions would be obtained by a joint convention. More interest would also be produced and better results obtained by the members of both societies, attending a joint convention.

There is such a broad field in this matter of new varieties of plants, new methods of construction and new everything almost pertaining to our business that a joint convention would stimulate a larger exhibition of these new things. No one will question the added importance of an investigation and certificate when backed by the united action of both societies.

The exhibition of flowers would, of course, be larger in a joint meeting and would be a matter of greater interest to the general public. This is a very important point as the general public are the flower buyers and it is for them our product is produced. The holding of a convention is a very serious expense and inconvenience to those florists located in the city where the convention is held and a joint meeting would reduce this to one city instead of two. The field for united work, it can be seen, is similar for both associations and the time for the exhibition of the flowers



FLOWERS AND BUDS OF CARNATION BRIGHT SPOT.





VASE OF NEW CARNATION, BRIGHT SPOT, GROWN BY NIC. ZWEIFEL, NORTH MILWAUKEE, WIS.  
Winner in the 100 Blooms, Dark Pink Class, at the Pittsburg Convention This Week.

is best suited for roses as well as carnations so that a joint convention would be very desirable for both societies.

#### Carnations at Nic. Zweifel's, Milwaukee.

As a compact, well built and well cared for greenhouse plant, that of Nic. Zweifel, of North Milwaukee, Wis., would be hard to beat. Directly one sets foot inside the houses the trim, neat appearance of everything is apparent; the plants are all supported properly, the benches in excellent repair and without a weed visible, while there is an air about the place that speaks of a careful and clever grower and constant watchfulness, for these things do not come by chance. In all there are 60,000 feet of glass, devoted entirely to carnations, and with the list below of the principal varieties grown, we will be through with statistics, which will doubtless be a relief to readers, as it evidently was to Mr. Zweifel when the writer finished his inquisition:

|                        |        |
|------------------------|--------|
| Enchantress .....      | 13,000 |
| White Perfection ..... | 12,000 |
| Beacon .....           | 6,500  |
| Winsor .....           | 5,000  |
| Bright Spot .....      | 4,000  |
| Victory .....          | 3,500  |

Not a very long list, but Mr. Zweifel believes in finding the best in each color and growing it in sufficient quantity to meet his demands. Besides those mentioned, Mrs. Chas. Knopf, May Day, Aristocrat, Rose Pink Enchantress and Badger State, a new seedling, are grown in smaller num-

bers. The cut is consigned to Holton & Hunkel, of Milwaukee, who rely on this place for first-class fancy stock, and get it. White Perfection here was a surprise. In so many places the last couple of years we have seen this carnation with straggling, poor growth and, although the flowers were good, there was not enough of them to make it worth growing. Here it is entirely different; the plants are in fine shape, growing freely and full of flowers and buds. When White Perfection is handled as is done here there is no need to look for any other white. Winsor, too, was in its best form, with long stems stiff and erect, as is the habit of this pretty variety, and beautifully colored large flowers.

What we came principally to see was Bright Spot, the new seedling raised by Mr. Zweifel. It is well named; the benches devoted to it, five of them, with 800 plants to each, certainly was a bright spot, and it is long since we saw so promising a variety. It is a good deal like Lawson was at its best, but with a deeper color, better stems and a most profuse bloomer. It may be noted in passing that this variety was awarded 24 points for color at the Indianapolis convention of the American Carnation Society last year, and this is only one of its good points. The stems are long and hold up the flowers finely, while these are round, of fine substance and built high in the center. Although the plants were propagated late they made a fine growth in the field and commenced to flower early, the crop now being taken

being the second already this season, while there are young shoots in abundance all around the plants. The flowers stand well and do not fade out as so many reds do. The calyx is firm and we did not see a single split flower in the whole lot. Bright Spot is undoubtedly a coming variety and more than one experienced grower of large quantities are after it. But it is not to be disseminated until next season, by which time Mr. Zweifel will have worked up sufficient stock of it to meet the demand which will surely be forthcoming for such a distinct and beautiful variety.

Besides this, another seedling, Badger State, is being tried out in quantity, but it has not yet been decided to send it out. Mr. Zweifel has been bitten too often himself with "novelties" to put out anything that does not conform to the high standard he has set and, so far, Badger State is in the probationary period. It is a free flowering, bright red with good stems and fine habit, but the flowers are a little on the small side. We shall await developments with this before saying much about it. In a large collection of seedlings there are several of merit, including a white, that is remarkably good looking. It grows and flowers freely, is of good habit and never goes sleepy. Another, a variegated, is so heavily striped with a deep Indian red as to almost hide the yellow ground. Mr. Zweifel thinks this is one that will suit the British growers and he is probably right. There are many other pretty things here,



and as the work of crossing is going on continuously we shall look for other fine things from this source. We should have noted that Winsor is grown inside entirely here and the splendid condition of the plants is sufficient proof of the wisdom of this plan.

### My Experience With Carnations Under Glass

BY FRED BURKI.

When I consented to read a paper on my experience in growing carnations under glass I meant carnations planted under glass in summer in place of the field, as it is still an open question with most of us which method is best, and with your permission I will confine my notes to this subject. In the early nineties I set out some plants under glass in the spring with the object of getting salable flowers in the early fall, as at that time we did not house carnations as early from the field as we do of late years. The variety was Mrs. Fisher which I at that time grew as my principal white and with which variety I had for some years great success, but only in solid beds. It did not do well for me on raised benches.

#### FLOWERS IN TIME OF SCARCITY.

I found that stock out of 3-inch pots planted under glass in spring gave me good flowers when such were scarce, say, in September, October and November, and bloomed through the season as well as did those planted from the field; they did not make as much surplus grass, but grew more slender with equally as good flowers and longer stems than the field grown produced and they could be planted closer. The soil I used at that time was taken from an ordinary piece of garden ground, as I could not procure sod, being located in one of the city suburbs. This piece of ground was manured heavily in the spring with cow manure ploughed in and kept ploughed through the summer; sometimes we manured it a second time and pulverized it with the harrow before taking it into the houses.

Another variety I grew with great success at that time was Hector, a scarlet, which did better with me than any other red at that time and for some years after. The only fault it had was weak stems; I had to give it up when the trade insisted on stiff stems, Hector grew very tall under glass in summer, but bloomed much better that way than when planted from the field. I simply could not make Hector pay when planted from the field, and it did its best when I planted it in beds prepared in spring and cultivated the same as if under glass, and before fall built a greenhouse over it. I am of the opinion that this way of growing carnations on beds with no glass over them in summer until fall would be an ideal if it were practical, but I find it impossible now where we are located and with the kind of houses we build now.

Some years ago Uncle John Wyland said to me one day about the beginning of June, "I am going to take the glass out of my carnation house, clean it out and plant the young stock in it in place of into the field." I said to him: "You are going to have

a big job on hand." About the end of June I met him again and he said to me: "You cannot believe how quick we got that glass out and put away; it took us about two days." I said to him: "Well, you will find it a bigger job putting it in again in the fall and you have now no carnations to sell when I can get good money for them, \$2 per 100." He never did it again, although the carnations were a success.

#### THE LAWSON VARIETIES.

Of late years we aim to plant the Lawson varieties under glass instead of in the field. In this way we get earlier flowers and longer stems than we can get from the field-grown plants and unless we can house these varieties from the field by the first week in July, they hardly give us a first crop before the holidays, and short stems, flowers not up to the mark. We propagate them during December and January and get them into 4-inch pots by May. I find, though, that unless planted under glass not later than the first week in June, field-grown plants at the end of June or beginning of July are more satisfactory, as the plants in pots are liable to suffer during June from one cause or another. The difficulty is, though—when carnations have a good sale during June as they do in some years and your plants are in crop—to make up your mind to throw them out and make room for young stock.

The spaces we are able to plant in May are the beds we had in chrysanthemums the fall previous. Following these we take off a crop of Grand Rapids lettuce then fill up potted up cuttings of carnations. We prefer them all in pots as they come from the cutting bench, so that when we plant in the field we have a good ball to them; then the plants will not suffer much if the ground happens to be dry and we cannot get them watered right away. Then, as soon as the plants are in the field, we set this empty space planted with Lawson and Winsor.

The soil we use is sod ploughed about four inches deep the fall previous; then before we bring it in we plough in a good coat of rotten stable manure, pulverizing it with the harrow. I have found that soil prepared in this way in the open field is sweeter than when it is put up in heaps, and the labor is less; besides, the sod piles are apt to sour unless they are turned and cut down, which means much work for the laborers. I have found that other varieties than Lawson also do very well when planted under glass in spring; I rather think nearly all the varieties would if we could only get the houses ready for them without having to sacrifice hundreds or thousands of dollars worth of flowers to do it.

### New Carnation Mrs. Walter W. Coles.

The carnation illustrated herewith is from the establishment of W. W. Coles, Kokomo, Ind., and is described by him as "a bright scarlet crimson; good stiff wiry stem. Average flower over three inches in diameter. Calyx absolutely perfect. The only variety on our place that never splits, and the most wonderful free, continuous bloomer."

### A Carnation—The People's Flower.

BY W. H. BREITENSTEIN.

Flowers are not more a luxury in modern life than are good clothes, comfortable homes and the many things in daily use that place living above an existence. There is probably no normal human animal without an inherent love of the beautiful, and that finds no commoner expression than in a fondness for flowers.

The indulgence in this expression, it must be conceded, is primarily a matter of cost. He of limited means, and he is legion, must have value received; be it in color, for cheer in dull environment, fragrance, to stimulate the sense, perhaps reminiscent of a happy yesterday or mayhaps to anticipations of the morrow. The influence is only for



CARNATION MRS. WALTER W. COLES.





BENCH OF CARNATION SHASTA, PLANTED AUGUST 1 AND PHOTOGRAPHED DECEMBER 1, 1909.

good, nevertheless, it must not be a "flower for a day." The carnation has been the people's flower, its beauty and fragrance appealing to the senses and its cost placing it within the means of all having more than enough for the common necessities of life, then its hardiness, gives prolonged pleasures.

Mark well the assertion. "Has been the people's flower." Perhaps it still is, and may be shall so remain; that it seems is "up to you." From observation it seems to lose in popularity. Why? Certainly not in that it is less beautiful. What is the answer? Is it not, in that it becomes more and more ephemeral each year as it loses its hardiness, its fragrance and gains nothing in beauty.

Admitting that it grows larger, size alone is not beauty, and bulk, at the sacrifice of natural charms, does not hold the affection of the people. Might it not be well to consider what qualities are most essential to the pleasures of the consumer, without which all were in vain. Color we have and from a decorative point of view no flower offers more. If given the proper treatment one can obtain from the most gorgeous to the softest tones, and now is perhaps the best time to make the one exception. We need yellow, now come to its own in popularity and deservedly so, as no color diffuses more warmth and nature uses it profusely.

One essential feature to a more general use of the flower is, naturalness.

One cannot obtain a very artistic arrangement without more natural environment, hence the obvious need of carnation foliage, with which the flower, for a table decoration, (perhaps its greatest use other than for memorial purposes) would be incalculably enhanced, also for personal adornment and for favors. A full bouquet, with its warmth of color relieved by a touch of foliage, makes an adornment any lady would be pleased to accept and proudly wear.

Simplicity is the keynote of art, be it in music, painting, sculpture, architecture or any other branch, and its highest expression is faithfulness to nature, as she reveals herself. Where are the monster chrysanthemums which were a fad some years since? They are replaced by the smaller and more natural ones having more uses. What rose has won favor more than the semi-single, fragrant, hardy ones? The American Beauty, a notable exception, not for the beauty of its color so much as for fragrance and especially endurance.

BOSTON was favorite in the betting. DORNER and Hoosier Lad are kings by right of conquest.

FRANK TRAENDLY is still after the artificial flower dealers.

CARL CROPP offered his vote at auction but there were no bidders.

FEELING ran high while voting was in progress for the place of meeting. M. A. Patten was so excited that he could only stand and wave his hands.

### The Calendar of the Carnation.

BY JOSEPH H. HILL.



It seems a trifle ludicrous for a person as young and as inexperienced in carnation culture as myself to stand before a body of representative men such as are gathered here today, and attempt to inform them

as to the best way to cultivate carnations throughout the year. Many a member of this society was successfully growing carnations before I was born; other comparatively young men, are already acknowledged authorities on the divine flower, and there are others here present who might, if they so desired, retire on their well-earned laurels and enjoy for the rest of their lives, their well-filled coffers, the result of hard work, close application, and an unceasing attention to the demands of their chosen flower. In some portions of my discourse will readily be recognized the teachings of such men as Wm. Nicholson and the Dailledouze brothers, to all of whom I am deeply indebted for kindly interest and instruction, and unfailing response to any inquiry propounded. Other portions of this paper are records of my own observations and experiences, many of the lessons being quite expensive, as every grower has at times cause to confess as he sums up his columns of success and failure.



## PROPAGATION.

The middle of November witnesses the first steps looking toward the production of the millions of carnation plants required for the annual planting in this and other countries. At this time the grower puts into the sand those varieties which fail to make good plants from later struck cuttings, and also those required by those of his customers who insist on "late December or early January delivery." While large numbers are taken in November and December, the bulk of the propagating is done considerably after the holidays, and often up to May 1. It is generally conceded that cuttings taken during January, February and March will give the best results to the average grower, though most of us have seen grand blooms produced in quantity from good April cuttings. Too much importance cannot attach to the careful selection of cuttings, which must be strong and healthy and from clean and vigorous plants; the old axiom quoted in Mr. Ward's book that "like begets like" must never be lost sight of in this part of our programme.

The cutting bench should have a brick or tile bottom, filled with three to four inches of absolutely clean sand and so constructed that a bottom temperature of 60° can be maintained. No draughts should be allowed to strike the cuttings, and they should also be protected from the direct rays of the sun by a perfectly clean and light weight curtain of muslin.

The cuttings should receive a very thorough watering when put into the sand and the detrimental habit of using the hose whenever they show signs of flagging should be avoided, as this wilting invariably shows that overhead conditions are wrong, and these must be corrected rather than that water should be added to an already saturated sand. The less amount of water used if the cuttings are kept fresh and plump the better will be the root formation, and it requires a nice discrimination to properly adjust the same. Varieties differ greatly in the fiber of the first roots, the Enchantress family being notable for producing good, tenacious roots quickly, while Afterglow, the sturdiest, toughest stemmed variety in existence, must be handled with great care to prevent the loss of roots when taking from the sand, and must be allowed a longer time to mature.

## POT PLANTS BEST.

Then arises the question, shall the cutting be dibbled into soil, or potted? The former procedure is the easiest and the quickest, but I feel sure that the extra work of potting and repotting is doubly repaid. The young carnation that is planted in the field or in the flowering bench from a pot, with its firm ball of earth, enwrapped with a net work of roots will show no ill effect from the shift and will start right off into growth without a day's hesitation, while the lifted plant, in handling and resetting, loses most of the soil from around the roots, and receives a severe check from loss of moisture from its tissues; and especially is this the case if not revived by frequent showers soon after planting. Another strong point in favor of

the young pot-grown carnation is exemplified when the plant is lifted from the field either for shipping or for immediate benching. The small pot ball of the springtime will still be found intact, greatly protecting the roots from serious injury. One might be led to suspect that the speaker was interested in the pottery business, for if all the carnation men decide to pot all their cuttings before planting, it means millions of pots, but such is not the case; nevertheless if any of the pot men present want to "fix it" with the speaker he will be glad to meet them after we adjourn. We endeavor to get our young stock up into 3's before planting out, but very often in the spring rush some lots have to remain in 2½'s and they grow on very nicely provided they have not become badly pot-bound.

When the first warm days come on about mid-April, the inclination is to rush the stock out into the field, but I feel sure that it is a serious mistake to do so; in the house it has grown up in a temperature of from 45° to 50°, and with moisture judiciously supplied, so that it cannot but suffer and be seriously checked when subjected to cold, severe frosts very often, and worst of all, to wet weather and a falling thermometer. In an ordinary season if the planting is fully finished by June 1, good, big, healthy stock is assured, providing the soil has been properly prepared and is possessed of full quantities of plant food.

We have come to the conclusion that cross-checking the plants in the field so as to cultivate them both ways with a hand cultivator is not so good as to give them more room between the rows and draw the plants closer together in the rows. By spacing the rows 28 to 30 inches, a horse and spiked-tooth cultivator can be used, greatly lessening the hand labor, beside loosening the soil to a greater depth; the inclination of the hand cultivator is upward rather than downward, thus failing of the intent to a certain degree.

## PREPARATION OF BENCHES.

About July 1 we begin to condemn the benches that are not producing a paying quantity of flowers, emptying the worn-out soil, and making them ready for our next year's hopes. It is now a recognized fact that the returns from carnations cut in June and July come nearer being "real velvet" than those cut at any other time in the year, providing the plants have had the proper care and have not been neglected during the late spring rush. If there is any time in the year when the greenhouse laborer approaches mutiny it is when the task of wheeling out and wheeling in presents itself. If at this particular period of carnation culture, the lady who strolls through the houses in the winter remarking on the delights of "cultivating the fragrant blossoms," comes around once more, she certainly finds herself rudely disillusioned, for it is as hard, hot, and disagreeable as working in a quarry or in the moulding room of an iron mill. The man who perfects a practical, mechanical soil carrier, not only has a fortune assured but the added blessing of every man relieved of this arduous and exhausting work.

## MODERN METHODS OF SOIL PREPARATION.

A word as to soil: The old prescription "three parts of soil to one of well-rotted manure, together with a generous sprinkling of bone, chopped fine and put on the benches," is bound to be superseded by more modern methods of soil preparation. There are a number of eminently successful firms in this country who take as long as five years in the preparation of their soil for indoor culture. The one vital principle to be observed is to have the manure and other fertilizers so thoroughly assimilated by the soil by means of leguminous crops and clovers, that the food is immediately available to the plant.

So much has been written concerning the careful lifting and quick resetting of the plants from the field,



THE CHICAGO CARNATION CO.'S GREENHOUSES, JOLIET, LL.

Bench of Carnation May Day.





THE CHICAGO CARNATION CO.'S GREENHOUSES, JOLIET, ILL.

Bench of Carnation Conquest.

that I pass this item of culture, but wish to emphasize the necessity of the use of the Bordeaux mixture promptly on the establishment of the plants, generously applied, and given once thereafter every three or four weeks; it not only acts as a preventive of spot, rust and other minor diseases, but of stem-rot as well. By beginning in August with a weekly spray of nicotine and continuing throughout the year we keep down aphids and also rid our plants of thrips; red spider is controlled by an occasional application of salt water, together with syringing under high pressure on bright days.

The antiquated proceeding of mulching heavily in late summer or autumn has given way to light top dressings, through which the surface of the soil is always pliable and open to the free air, thus preventing any tendency toward souring. Lime, wood ashes, sheep manure and pulverized cattle manure, always applied sparingly, constitute the menu for our plants after they are "up and doing." Plenty of fresh air whenever it is possible to admit it, insures a healthy, free-growing plant. Not until October and November do the plants throw characteristic blooms, but if by January 1 each plant does not show several blooms cut, something is decidedly wrong, either with the variety or with the culture given.

#### NEW VARIETIES.

In regard to new varieties, we need them and they are interesting, and we must not forget that every variety that we grow was once an untried novelty. But it behooves every general grower to ascertain as far as possible the exact value of a new one before displacing an old one to make room for it in quantity. This national meeting is of inestimable value to carnation growers in that it shows just how well the standard varieties are holding their early vitality and position, and just what new sorts are surpassing their seniors in brilliance of color, perfection of form and in size. Only the finest and most productive sorts can in this day and time pay for standing room in the modern, up-to-date greenhouse.

#### The Chicago Carnation Co.'s Novelties.

Several fine new varieties of carnations are being grown this season by the Chicago Carnation Co., Joliet, Ill., some of which have already been described in our columns. One of the finest, which is not to be disseminated until 1911, is Washington, a Lawson-colored sport from Enchantress, which originated with Henry Eichholz, Waynesboro, Pa., and has been purchased by this company. Already several large shipments of cuttings, rooted and unrooted, have been received at Joliet and this variety will

be largely grown there for cutting this season. This company is of the opinion that there is no variety so easy to cultivate and so generally satisfactory all around for commercial and exhibition purposes as this, as it has all the good characteristics of Enchantress, from which it is a true sport, with the popular Lawson color.

Sangamo, Alvina, May Day, Conquest and Mary Tolman are also largely grown at Joliet. Conquest is winning prizes wherever shown. It has all the good points of the old Prosperity and is easy to handle, the flowers a pretty shade of light pink, overlaid with a deep rose pink, the stems stiff, the blooms large and well formed, while the color will not fade. Sangamo is a most prolific variety and comes into crop very quickly and very early. The color is brighter than that of Winona or Winsor and the flowers are prettily fringed. Mary Tolman is making good on all points claimed for it. It is a clean grower with upright, rigid stems and exceptionally fine flowers, a little deeper in color than those of Enchantress, with a trace of salmon. It is an excellent keeper and does not fade. May Day and Alvina are both on the small side, but are very beautiful flowers.

NEWELL, W. VA.—A new board of directors has been elected by the Lake Newell Floral Co.



## History and Uses of the Carnation.

BY W. T. BELL.



So many papers have been read and discussed at the various meetings of this society that the essayist who can add anything new on the subject of carnations will be almost as great a curiosity as a 6-inch carnation, but as it has been found to be a good plan in our schools to require the pupils to review the lessons previously studied, perhaps a general review of the subject that we have met to consider may be of advantage to all present and especially to those younger members of the society who are modest enough to admit that they do not already know all there is about it.

## DERIVATION OF THE NAME.

The carnation, or, to express the name in strictly botanical terms, *Dianthus caryophyllus*, is, according to Loudon, a native of southern Europe and has been found growing naturally in England. The generic name, *dianthus*, is compounded of two Greek words, meaning the flower of the gods, or the deity, which has led certain writers to call it the divine flower, a name that might well be exchanged for one more simple and comprehensible. The specific name, *caryophyllus*, has reference to the clove-like fragrance of the flowers, while the common name, carnation, has for its base the Latin word *carnis*, meaning flesh, in allusion to the pink or flesh color of the flowers in their wild state.

There are many different species in the genus *dianthus*, including the familiar sweet william, but the one that most nearly resembles the carnation in appearance, is the pink, with its several varieties. Where it grows naturally, the carnation has single flowers, about one inch in diameter, having but five petals, but variation, selection and cultivation have so changed its character that flowers four inches in diameter are now produced, having a very great number of petals.

## EVOLUTION.

The ordinary garden carnation is a hardy perennial that blooms but once a year, and the florist's carnation of today is undoubtedly the result of changes that have taken place in its habits through selecting and cultivating the most promising plants produced by natural variation, until now it may be had in bloom during the entire year, but in the evolutionary operation, it has lost a portion of its hardiness, probably because of the higher temperature to which it has been subjected for generations during the cold season of the year. This loss could perhaps be regained by reversing the process that brought about the change and gradually hardening the plant until it could withstand the rigors of our severe winters.

This change from summer blooming to perpetual blooming is not confined to the carnation, but has been accomplished in the case of other plants. *Chrysanthemums* have been grown from seed that was saved from the ordinary seasonal-blooming kinds that have developed into varieties that have

been had in flower every month in the year, and the rose is one of the most familiar examples of a plant that has been changed from an annual, to a continuous bloomer, through the treatment accorded to it under modern methods of culture.

## THE CARNATION'S POPULARITY.

The carnation flower today, and especially in this country, is the most popular flower produced by the florist, having overtaken and passed the old-time favorite, the rose, in the race for popular favor and, instead of being referred to as the divine flower, it might very truthfully be called the people's flower. To become really popular, a flower must possess several qualifications, the first of which is beauty, a somewhat undefinable and elusive quality. In addition, it should have a pleasant odor and be capable of being used in a variety of ways and for various purposes. Its texture should be such that it will remain in fairly good condition for a reasonable length of time, and its successful cultivation should be so simple that it can be grown and sold profitably at such a price that the ordinary flower-user can afford to buy it freely.

All these various requirements are possessed by the carnation, and, in addition, it may be procured at any time during the entire year. Roses, violets, lily of the valley, *chrysanthemums* and many other flowers will continue to have their admirers and will always be in demand when in season, but some of them are difficult to produce with profit, and the most of them are more expensive, bulk for bulk, than are carnations.

Several years ago at one of the conventions of the Society of American Florists an essayist seemed to think that in a few years orchids would become as plentiful and popular as roses, but the prediction has not, and will not, be verified, for two reasons: First, they are more difficult to cultivate and produce, and, second, because of this difficulty their prices will never become popular.

## THE OLD VARIETIES.

The development and improvement of the carnation have taken place within a comparatively recent time, both as regards the size, color and quality of its flowers, and the number of desirable varieties. Thirty or 40 years since the florist was confined mainly to such kinds as *Edwardssii*, *De Graw*, *La Purite*, *Miss Jolliffe* and *Astoria*. *Buttercup*, one of the best of the earlier yellows, although like most of the later kinds of that color, decidedly bizarre, came later and was followed by *Grace Wilder*, *Albertini*, *Mrs. Bradt* and a host of other slowly improving kinds, until the list of aspirants for a place on the carnation stage reached well up into the hundreds.

Daybreak, originated and disseminated by Simmons of Geneva, O., was one of the best and most profitable carnations of its day, which is now over, and was probably one of the progenitors of the fine variety *Enchantress*, and other kinds having the Daybreak shade of pink. William Scott was another easily-grown and useful sort, but it, too, is now eclipsed. While the carnation is not a native of this continent, certain writers speak of the varieties now in cultivation here.



CARNATION DOROTHY GORDON.





BASKET OF CARNATION DOROTHY GORDON.

collectively, as the American carnation, but a better term would be the American varieties of carnations, as they nearly all originated here.

At the royal show, held at New-castle-on-Tyne, England, in 1908, and practically open to all exhibitors, many vases of British carnations were shown, having, in the main, stiff stems and large flowers, but the flowers were nearly all of coarse texture, and the most of them had split calyces, and decidedly the finest carnations in the great show were those of American origin.

#### THE USES OF CARNATIONS.

Carnation flowers may be appropriately used on many occasions, and in a variety of ways from a single flower on a coat lapel, to the most elaborate floral design, or other form of decoration. They are welcomed in the sick room or the hospital ward, are suitable for the placements or the centerpiece for the dinner table, and clusters or sprays of the flowers, when arranged with taste and skill, in combination with a sufficient amount of suitable greenery, are much asked for and appreciated for funeral occasions, while no flower can be used to better advantage in a pleasing arrangement to place beside the door of the house where death has entered, in lieu of the somber crape. Because of their excellent lasting quality they are among the best flowers to use for sending a long distance, or when they are required to be kept for a considerable time before being used. If it were not for being so wasteful, many of the arrangements of carnation flowers would be improved in appearance if carnation buds and foliage were combined with the flowers.

#### Convention Notes.

H. B. Beatty, who knows all the recesses of the hotel, worked hard in getting out Boston voters.

The trip to the pickle factory attracted a great many of the visitors.

Enchantress exhibits have fallen off greatly in number and quality.

Wm. Falconer and Fred Burki have a fine quiet way of doing things.

A cup of Java, please, and a plate of Boston strawberries.

Ed Winterson solemnly declares he voted for Milwaukee.

E. G. Hill and Peter Fisher were among the missing.

Eugene Dailedouze says he doesn't like beans anyway.

The ladies say they had the time of their lives.

Wm. Nicholson might have voted for Milwaukee.

Pittsburg hospitality knows no bounds.

The S. P. C. had no meeting this year.

The mantle of Flora covers them all.

#### Additional Visitors.

Guy Bate, Cleveland, O.  
Herbert Bate, Cleveland, O.  
Chas. Bramley, Cleveland, O.  
L. F. Darnel, Cleveland, O.  
P. R. DeMuth, Connelisville, Pa.  
J. M. Espy, Brookville, Pa.  
J. A. Evans, Richmond, Ind.  
Frank A. Friedley, Cleveland, O.  
M. E. Gilbo, Akron, O.  
M. P. Gilbo, Akron, O.  
Joseph J. Goudy, Philadelphia.  
W. Griesiger, Ghent, Belgium.  
Carl Hagenburger, Painesville, O.  
R. B. Hayes, Shelby, O.  
John Kirchner, Cleveland, O.  
Wm. Kleinheintz, Ogontz, Pa.  
Herman Knoble, Cleveland, O.  
Henry Krueger, Meadville, Pa.

A. C. Lamprecht, Ashland, O.  
P. Nichols, Cleveland, O.  
W. A. Rowlands and wife, Utica, N. Y.  
Chas. A. Schmidt, Cleveland, O.  
Geo. Smith, Cleveland, O.  
E. A. Stroud, Strafford, Pa.  
J. S. Stuart, Anderson, Ind.  
Wm. Swayne, Kennett Square, Pa.  
Mrs. Ed. Taylor, Greens Farms, Conn.  
Joseph Thomas, Greensburg, Pa.  
Walter Thomas, Stony Brook, L. I., N. Y.  
Frank Traendly, New York.  
J. A. Valentine, Denver, Colo.  
Judge Vesey and wife, Ft. Wayne, Ind.  
F. W. Vick, Rochester, N. Y.  
John Walker and wife, Youngstown, O.  
C. L. Washburn, Chicago.  
J. E. Wein, Brooklyn, N. Y.  
C. N. White, Gasport, N. Y.  
H. F. Winter, Charleston, W. Va.  
E. F. Winterson and wife, Chicago.  
R. Witterstaetter, Cincinnati, O.  
Nic Zweifel, Milwaukee, Wis.

#### Flowers in the South.

ED. AMERICAN FLORIST:—

Can roses, chrysanthemums and other northern flowers be cultivated with success in Florida (Ocala)?

C. M.

The climate and the nature of the soil in this locality are decidedly against success. Marechal Niel and a few of the tea roses, especially Golden Gate, do well outdoors, but the hybrid teas do very poorly. Chrysanthemums have been tried in the open, but without success. Sweet peas, candy-tuft, Princess Alice stocks, etc., might do during the winter months; at least the experiment might be worth trying. If "C. M." means to grow in greenhouses, I should advise him to use ground beds of heavy soil about two feet deep and grow varieties like American Beauty, Kaiserin, W. R. Smith, Perle des Jardins and Meteor.

WM. LEAR.

SCRANTON, PA.—A donor, who wishes to remain anonymous, has provided the funds for a new greenhouse in Nay Aug park.



## THE RETAIL TRADE

### Pillow of Roses and Lily of the Valley.

SEE SUPPLEMENT WITH THIS ISSUE.

The pillow as a funeral piece is becoming more and more popular and there is room for much artistic work in its proper makeup. It does not appeal to the very cheapest class of trade as, no matter how economical the decorator may be, considerable stock has to be used. Still, if the flowers are kept well apart and plenty of green used a moderate priced pillow can be made that will give greater satisfaction than a tightly packed arrangement that uses up twice the amount of stock and does not look so well when finished. Lily of the valley is an especially suitable flower for pillows. It is light and graceful and associates well with any other flower that may be used while the pure dead white of the bells cannot clash with them no matter what their color. Roses, too, are especially suitable, especially white while the pretty fronds of *Adiantum gracillimum* lightly arranged over these or other flowers have a most charming effect. It is a great pity this beautiful fern is not more grown for use as an ornamental green.

But practically any flower that is in season may be used for a pillow. White carnations and bulb stock such as tulips and narcissi make a pretty combination for the present season when roses are scarce and high; sweet peas, when they are plentiful, asters, chrysanthemums in their season, indeed almost any class of flower may be used, the idea being to give a good general outline of the pillow without making this stiff or hard. Common fern helps out a lot, giving the raised appearance that is necessary. Good forms for the purpose can be had of the wire workers and it is comparatively easy to tie the flowers on these securely. As to the lettering, simple words may be lined out with immortelles or chenille on a groundwork of white carnations and the whole thing can be cheaply made when this is necessary or as much money as the customer wishes to pay can be expended by the use of orchids, violets and more expensive flowers.

### A Philadelphia Function.

ELABORATE DECORATIONS.

One of the swellest decorations of the Philadelphia season was for the Widener ball at the Bellevue-Stratford on Wednesday last. Of the many elaborate affairs for which this hostelry is noted, this last function has been given the palm. As Ed. Habermehl said,—and it is Habermehl's by the way, that do all the work at this hotel—"We are put to it to get something new every time. It is the same room and each ball is largely attended by the same people and each one wants theirs to be distinctive and not at all like the others."

The feature of this last success was that when one stepped on the ball-room floor they appeared to have been transported across the water, for the surroundings were transformed, Aladdin like, into a French garden or

large court yard. The balcony boxes, which give to the hall a theatrical effect, were all enclosed with a lattice work which, while each box was a structure in itself, were joined together, each alternate structure being of the same architecture. Part of the lower lattice was hinged and folded together like casement windows, all the frames being covered with a fine gauze, which gave the appearance of glass. Around the edge of the dancing floor was a dense hedge of palms and other foliage plants, leaving between that and the wall a fine promenade, from which glimpses of the dancing floor could be obtained. The ceiling was festooned with long garlands of wild smilax tied as is laurel, only made with long sprays. In the center an immense chandelier of gilded scroll woodwork, which, when decorated with smilax and artificial pink roses, and illuminated with electric lights certainly looked stunning and added much to the beauty of the whole.

The spaces about the boxes, the front and above the lattice work to the ceiling, so as to completely hide the walls, was covered with southern smilax. In this upper tier of green there were also suspended baskets of artificial pink roses. Just under the lattice windows, entirely around the balcony, was arranged a solid row of Lorraine begonias, making a distinctly pink effect. The color scheme was pink and white. Lorraine begonias were also massed on the stage, where banks of palms and ferns concealed the orchestra. Tall white columns, on which were placed cibotiums, were a feature here. At the entrances to the ball room floor and at other intervals were large floor vases and baskets

filled with Killarney, Maryland and Jardine roses; thousands of these were used. Baskets of Enchantress and other light pink carnations were also arranged at intervals along the front of the balcony to break up the straight line of begonias. The lighting effects were very fine, there being apparently thousands of additional electric globes covered for the most part with pink shades, all of which work was done by the firm's force of electricians. All the halls and passages, dining and other rooms, set aside for the guests, were elaborately dressed. Splendid specimens of cibotiums, plants of *Acacia pubescens*, of which this firm have the largest stock in the country, handsome azaleas and quantities of Easter lilies in pots were seen at every turn and the 100 separately decorated dinner tables combined to make this one of the most elaborately decorated functions ever given in Philadelphia and a great credit to the house of Habermehl.

K.

### The Week at Peaceful Valley.

A QUIET TIME.

Another quiet week from a business standpoint, and a trip through the Boston retail stores convinces me that the Peaceful Valley folks are not the only ones who feel it. As to the cause? Probably, partly weather, partly the effect of the slightly enhanced prices of flowers at this season, and, quite largely, the advanced prices demanded for the necessities of life. Where the head of a family is dependent on a salary or other fixed income, an advanced cost of food products leaves less money to be spent for flowers or other luxuries; and it is from this class that the bulk of our



NEW CARNATION PRINCESS CHARMING.





FLORAL PILLOW OF ROSES AND LILY OF THE VALLEY.







business must come. The trust magnates and the idle rich contribute but a small per cent to the florist's income. If they are flower lovers, they usually have their own conservatories. Our interests, as florists, are with the great body of middle-class business men and salary earners. Don't forget this in studying present industrial conditions.

#### THE TAX PROBLEM.

Interest is still active in the proposed taxation of florist's growing crops. At Framingham, Mass., the contents of William Nicholson's greenhouses were assessed at \$5,000; S. J. Goddard escaped with an assessment of \$3,000, while Tom Butterworth, of orchid fame, had his stock valued at \$4,000. To show the utter absurdity of such valuations, it is stated that the Nicholson greenhouses contained about 17,000 carnation plants and some other odds and ends of stock. The assessment, therefore, was at the rate of 30 cents a plant. Wouldn't you like to sell your old carnation plants at that price, about May 1? As a matter of course, all these growers declined to pay on any such assessment. There will probably be a stiff fight before the legislature before the florists will submit to this class taxation.

#### E. H. WILSON'S TALK.

"The Optimist" attended the January meeting of the Boston Florists' and Gardeners' Club last Tuesday evening. About 200 members and friends listened to E. H. Wilson, who gave some account of his travels in central and western China, illustrated by lantern slides. These views consisted of scenes along his route, showing the rough and mountainous country, and in some cases the flora of the mountain sides and ravines. Again the pictures were of the plains and valleys along the banks of the rivers, or of the people and dwellings in these remote provinces.

Mr. Wilson explained that the habitat of many plants was restricted to a small area, often only a mountain side or valley, and consequently that the possibilities of China's flora was almost inexhaustible. He described some of the new things discovered and sent home and their probable usefulness in this country. Many of the plants received from Japan in former years and credited to that country were really natives of these sections of China, and existed in Japan only in a state of cultivation. The present, perhaps, might be termed the Chinese era in horticulture. He described many of the introductions of his first Chinese expedition, largely herbaceous subjects, primulas, meconopsis, etc. The whole talk was very instructive and interesting, and at its close, the speaker received a hearty vote of thanks.

Mr. Wilson's name is now before the club as a proposed honorary member. He is well worthy the honor, which is not a trivial one, as the Boston club is rather conservative in this respect, having at present only two names on its honorary roll. This third name, which will probably be added at the next regular meeting, is one that I feel sure will reflect credit on the largest and one of the most progressive florist's clubs in America.

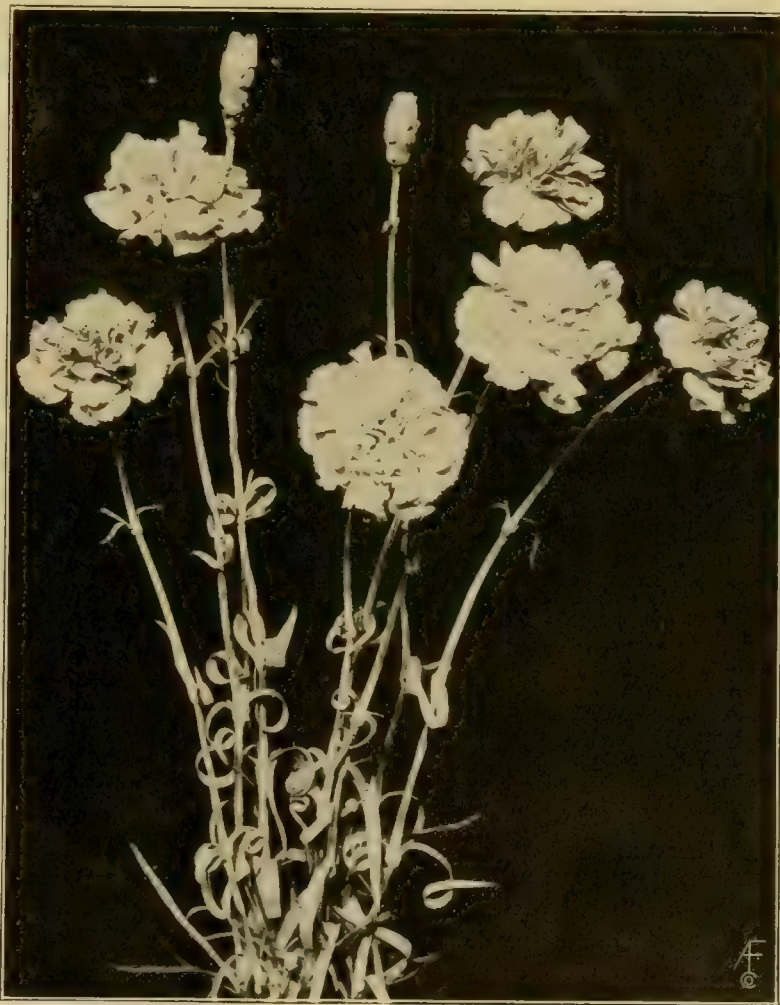
#### New Carnation Lady Algy.

This splendid new introduction was exhibited by A. H. Wingett at the meeting of the Lenox, Mass., Horticultural Society, January 15, and was unanimously awarded a first-class certificate. This is one of the most promising new varieties in sight; in color it is a pure salmon pink, not the washed out color that is sometimes called salmon. It has been the good fortune of the writer to see it growing this winter, and among a house containing the best varieties splendidly grown, Lady Algy attracted instant attention. It is a sport from Beacon, and when we say it has all the good qualities of its parent, growers will know that there is not much amiss with it; in fact, it almost seems to outdo Beacon in vigor and floriferousness. Several commercial florists, as

## OBITUARY.

#### Mrs. Janet Hale.

The death took place at Hamburg last week of one of the original florists of Buffalo, Mrs. Janet Hale, who had a store on North Division street about 30 years ago, with greenhouses at West Seneca. Mrs. Hale was one of the self-instructed florists who worked in it for the love of flowers really more than the money gained, afterward turning the business over to her son, Geo. D. Hale, who conducted it for several years, gradually going into the decorating business with palms, flowers, bunting, etc., which now, under the name of Hale & Son is the largest in western New York. In business, Mrs. Hale was one whom any one would like and respect, her quiet manner and pleasant smile always speaking a welcome to all.



CARNATION LADY ALGY.

well as a number of private gardeners pronounce it the best thing in sight. Certainly we do not know of anything to equal it, especially in attractiveness of color either by natural or artificial light. Mr. Wingett believes it has a future and is handling it on the most approved methods, propagating nothing but the best of cuttings. The illustration herewith gives a good idea of the fine stems that hold the flowers erect and show them to advantage.

E. J.

#### John J. Kuratle.

After suffering a year as the result of a cancer, John J. Kuratle, aged 51 years, died at his home, No. 1613 Franklin street, Wilmington, Del., January 14. Mr. Kuratle was one of the best known florists in that section of the country and by his theories and work greatly advanced horticulture. He was born in Switzerland and came to this country in 1883 and located at Edge Moor. Later, he removed to Wilmington.



## THE AMERICAN FLORIST

1885 TWENTY-FIFTH YEAR 1910

Subscription, United States and Mexico \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

Eastern Representatives:

A. F. FAULKNER, 1133 Broadway, New York.  
ROBT. KIFT, 1725 Chestnut St., Philadelphia, Pa.

THE AMERICAN FLORIST,  
324 Dearborn St., CHICAGO.

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## Enroute Around the World.

Adam Graham, Mrs. Graham and Miss Effie J. Graham, of Cleveland, will sail from San Francisco, February 5, on a tour around the world, visiting Honolulu, Japan, China, India and Europe, returning by way of New York. Mr. Graham, like his illustrious townsman, Andrew Carnegie, wants to spend most of his money in the full enjoyment of this grand old land of the living. He was born in Dunfermline, Scotland, April 17, 1840.

John T. Withers, of Jersey City, N. J., started on a tour around the world January 20, going via New Orleans, and sailing from San Francisco, February 5.

YOUR name is rightly booked in our Trade Directory—at least we suppose it is if you do not advise us. If you make any changes this season, please drop us a postal.

LUTHER BURBANK writes to the New York Times, January 17: "To be misjudged is a passing trifle; to have lost a life of honest, earnest labor is a tragedy." Luther Burbank's life and labors have not been lost; on the contrary no man who is acquainted with him personally and who is in position to know what his life work has been, but holds him in highest esteem. The Carnegie institution did not honor him, but he honored it in accepting the grant for furthering that work to which he had devoted his life.

THE Horticultural Society of St. Louis held its annual meeting January 19, and elected the following officers: E. Mallinckrodt, president; L. Matthews, first vice-president; D. S. Brown, second vice-president; J. H. Gundlach, third vice-president; R. F. Tesson, fourth vice-president; Henry Young, treasurer; Otto G. Koenig, secretary. Executive committee (11 members): Otto Koenig, (secretary); F. W. Bruenig, Theo. Miller, C. B. Nicholson, C. C. Sanders, F. H. Meinhardt, Emil Schray, Fred H. Weber, Geo. B. Windler, Henry Young, Rudolph T. Windt.

## American Carnation Society.

## CARNATIONS REGISTERED.

Bon Ami.—Queen X. Lady Bountiful. Pure white, size 3 to 3½ inches; strong open growth, stem very stiff, 24 to 30 inches long; early and continuous bloomer and seldom splits. Granite State.—Queen X. Lady Bountiful. Pure white, size 3 to 3½ inches; strong upright growth with no surplus grass; stem 30 to 36 inches; seldom bursts, free bloomer. Both by Geo. E. Brixton, Nashua, N. H. A. F. J. BAUR, Sec'y.

## Society of American Florists.

## CHANGE IN REGISTRATION.

S. Cockburn & Sons, of Woodlawn, N. Y., make application to have the name of their chrysanthemum, previously registered as Dr. Frederick A. Cook, changed to Mrs. Jane Cochran. Public notice is hereby given of the application and unless objections to the change are received within 20 days from publication of this notice the change will be made.

H. B. DÖRNER, Sec'y.

January 20, 1910.

## Florists' Delivery Association.

The florists organized a delivery association at Pittsburg January 27, electing officers as follows:

J. A. Valentine, president.  
W. J. Palmer, vice president.  
H. B. Dörner, Urbana, Ill., Sec'y.  
W. L. Rocker, treasurer.

The directors are John Bertermann, Ernst Wienhoeber, Philip Breitmeyer, Wm. F. Gude, A. B. Cartledge, with the president, vice president and treasurer. Only members of the Society of American Florists will be eligible and the plans of the new body will be presented at the Rochester meeting of the national society's executive committee in March.

## National Sweet Pea Society of America.

Harry Turner.....President  
W. H. Waite.....Vice-President  
Harry A. Bunyard.....Secretary  
Wm. Duckham.....Treasurer

The following is the preliminary list of prizes offered for the annual exhibition of the National Sweet Pea Society of America which will be held in July; the exact date and place to be announced later:

President Harry Turner's cup, value \$25, for the best 25 vases of sweet peas.

The W. Atlee Burpee cup, for the finest and largest collection of sweet peas.

The W. Atlee Burpee prize, for the best vase of waved or Spencer type sweet peas introduced in 1910; first prize \$5, second \$3, third \$2.

W. W. Rawson & Co.'s prizes, Rawson's silver gilt medal for a vase of sweet peas never before exhibited or disseminated, of American origin.

Rawson's silver medal, for the best 25 vases of Spencer or Unwin types exclusively; open to the trade only.

Rawson's silver medal, for the best 20 spikes of sweet peas, Rawson's Snowflake.

Rawson's bronze medal, for the best three vases comprising white, lavender and pink; open to amateurs.

Rawson's silver medal, for the most successful exhibitor among the amateur classes.

Watkins & Simpson's prize, value \$10, for the best vase of Nora Unwin, Frank Dolby, Mrs. A. Watkins, A. J. Cook and E. J. Castle.

Arthur T. Boddington prize, a challenge cup, value \$50. \$25 to the winner of the cup; second prize \$15, third \$10, for a collection of sweet peas, 25 varieties.

Henry A. Dreer prize, for the best 21 vases of sweet peas, the 21 incomparable standard varieties as enumerated in Dreer's Garden Book for 1910, first prize \$20, second \$5.

Jerome B. Rice Seed Co.'s prize, for the best vase of white sweet peas, first prize \$5, second \$3, third \$2.

HARRY A. BUNYARD, Sec'y.

## Meetings Next Week.

Albany, N. Y., February 3, 8 p. m.—Albany Florists' Club, W. C. King's 24 and 26 Steuben street.

Buffalo, N. Y., February 1, 8 p. m.—Buffalo Florists' Club, Saturn hall.

Chicago, February 3, 8 p. m.—Chicago Florists' Club, Union restaurant, 111 Randolph street.

Indianapolis, Ind., February 1, 3:30 p. m.—State Florists' Association, Indiana State house.

Lake Geneva, Wis., February 5, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.

Louisville, Ky., February 1, 8 p. m.—Kentucky Society of Florists.

Milwaukee, Wis., February 3, 8 p. m.—Milwaukee Florists' Club, Quiet House, corner Broadway and Mason street.

New Orleans, La., February 2, 8 p. m.—German Gardeners' Club, 624 Common street.

Newport, R. I., February 2.—Newport Horticultural Society.

Pasadena, Calif., February 4, 8 p. m.—Pasadena Gardeners' Association.

Philadelphia, Pa., February 1, 8 p. m.—Florists' Club of Philadelphia, Horticultural Hall, Broad street.

Pittsburg, Pa., February 1, 8 p. m.—Pittsburg Florists, and Gardeners' Club, Fort Pitt Hotel, Tenth street and Penn avenue.

Salt Lake City, Utah, February 1.—Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South street.

San Francisco, Calif., February 5.—Pacific Coast Horticultural Society.

Seattle, Wash., February 1.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

St. Paul, Minn., February 1, 8 p. m.—Minnesota State Florists' Association, 510 Snelling avenue, north.

Utica, N. Y., February 3, 8 p. m.—Utica Florists' Club, Genesee Hall, Onondaga square.

Washington, D. C., February 1.—Florists' Club of Washington, 1214 F. street, N. W.



## Wants, For Sale, Etc

**One Cent Per Word, Cash with Adv.**

**For Plant Ads., See Ready Reference Section.**  
Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

**Situation Wanted**—By a lady in a florist shop as designer; fifteen years' experience in all branches of the business.  
Key 427, care American Florist.

**Situation Wanted**—As gardener by Scotchman, 34 years of age; 18 years' experience in Scotland, England and America in all branches of horticulture; good references.  
Key 432, care American Florist.

**Help Wanted**—Experienced young man for first class flower shop.  
BOHANNAN FLORAL CO.,  
11 East Monroe St., Chicago.

**Help Wanted**—A1 designer in high class florist store; Chicago; references. Address  
Key 433, care American Florist.

**Help Wanted**—Man who has some greenhouse experience as assistant for general work.  
THOS FRANKS & SON Champaign, Ill.

**Help Wanted**—Salesman to handle our high grade embossed paper seals.  
NATIONAL FOLDING BOX & PAPER CO.,  
New Haven, Conn.

**Help Wanted**—Experienced vegetable grower for under glass; must be sober and industrious; steady situation, send reference.  
Key 428, care American Florist.

**Help Wanted**—A young man, with some experience in the florist business, for a retail store, to take care of the books, etc. Address  
Key 437, care American Florist.

**Help Wanted**—Florist and gardener; must be an experienced all-around man, sober and competent; good job if you want to work; married man preferred. Answer at once and send references.  
OTTO SCHWILL & CO.,  
Seedsmen and Nurserymen, Memphis, Tenn.

**To Let**—With fixtures, best retail flower store in this city; nothing to buy but flowers.  
FLORIST 34 Main St., Haverhill, Mass.

**For Sale**—First class florist business in city of 30,000; reason for selling; other business.  
Key 999, care American Florist.

**For Sale**—Some 3-inch pipe guaranteed sound, 7c per foot. Also several good small boilers cheap.  
W. H. SALTER, Rochester, N. Y.

**For Sale**—Cottage, house and barn and three acres of land; good greenhouse, hen house, fruit; easy terms.  
Box 24, Milldale, Conn.

**For Sale**—Four greenhouses filled with carnations and bedding plants; in Ohio college town; will sell cheap. Address  
Key 993, care American Florist.

**For Sale**—A good florist retail business in growing city in western New York; 5,000 feet of modern built glass, with work room and living rooms attached; best place in town; a good trade. A good place for the right man. Reasons for selling, other business. Price and details on application.  
Key 429, care American Florist.

**For Sale**—Four greenhouses in one of best towns in middle west; 6,000 feet glass; steam boiler piping; large workroom; large barn with loft and other buildings and room for additional house; gas in house. Is located on one of the main thoroughfares, one block east of the largest cemetery. Splendid city and out-of-town trade. Firm is well known and respected. Residence of eight rooms also for sale. Terms to suit purchaser. Owner cannot give business attention. Address  
Key 430, care American Florist.

## FOR RENT.

Greenhouse, 12,000 feet of glass; stocked with sweet peas, carnations, bedding plants; good house; 10 acres of land; near Chicago; \$50.00 per month.

Key 425, care American Florist.

## WANTED

At once, a competent rose and carnation grower; permanent position to sober, reliable man; wages \$18.00 per week. Address

Key 941, care American Florist.

## Store and Retail Business For Sale.

A fully equipped and only store in a town of 15,000 in New York state; the entire good will and an established business for more than 15 years. Business now \$8,000 to \$10,000 per year, and can be much increased by a good live man. On account of poor health are willing to sell at a sacrifice, and \$3,000 will buy it. If you mean business, address

Key 971, care American Florist.

## Ornamental Nurseryman Wanted

One familiar with varieties, propagation and growing of ornamental trees and decorative plants. Address

THE SILVA-BERGTHOLDT CO.  
Newcastle, California.

## Situation Wanted.

By first-class young Hollander, married, no children, four years' American experience and ten years' experience in different countries in Europe and East Indies; private situation preferred; experienced in landscape gardening and managing a private estate; also capable of managing an ornamental nursery; eastern states preferred; age 30.

Key 426, care American Florist.

## Retail Store Man.

The advertiser, located in the south, wants a good man to take charge of the retail cut flower department. He must be fully competent to turn out high class design work and decorations. One who has a general knowledge of the seed business would be preferred, as the cut flower department is carried on in connection with a general seed business. A good salary to the right man. Address

Key 431, care American Florist.

## TO RENT.

A very rare opportunity of one of the most modern and up-to-date florist establishments of about 15,000 sq. ft. glass; hot water heat; Superior tubular boiler; entire place equipped with electric lights, cement walks and floors; work building 20x115 two stories 8-room modern flat; good established business; the convenience and accommodations to all transportation, etc. are too numerous to mention; they cannot be excelled; if interested an investigation will convince.

RICHARD F. GLOEDE.  
1405-1407 Central St., Evanston, Ill.

## Nursery Foreman.

I want a Nursery Foreman, married man preferred, for city nursery in Oregon; a man who understands the propagation and growing of nursery stock and must be able to superintend all outside work, care for customers, take orders, etc. This is a good place for an ambitious young man. Address

KEY 998, CARE AMERICAN FLORIST.

## NOTICE

Members of the Illinois State Florists' Association:

Notice is hereby given that at the next annual meeting, to be held at Urbana February 15 and 16, a resolution will be presented proposing to amend Section 8 of the Constitution to read as follows:

"The Association shall hold its annual meeting and exhibition on the fourth Tuesday of February at Urbana, Ill. Ten members shall constitute a quorum."

J. F. AMMANN, Sec'y.

## LANDSCAPE GARDENER (MALE)

ENGINEER DEPARTMENT AT LARGE.

MARCH 3, 1910.

The United States Civil Service Commission announces an examination on March 3, 1910, to secure eligibles from which to make certification to fill a vacancy in the position of landscape gardener (male), \$2,400 per annum, Engineer department at large, Washington, D. C., and vacancies requiring similar qualifications when they may occur, unless it should be decided in the interests of the service to fill the vacancy by reinstatement, transfer, or promotion.

The examination will consist of the subjects mentioned below, weighted as indicated.

| Subjects                                            | Weights |
|-----------------------------------------------------|---------|
| 1. Practical questions.....                         | 30      |
| 2. Educational training (rated on application)..... | 20      |
| 3. Experience (rated on application).....           | 50      |

Total..... 100

The position to be filled is one requiring exceptional qualifications, as its duties include the designing, laying out and planting of most of the city parks of Washington, D. C., and general supervision over the propagating gardens and greenhouses. It is desired to secure a person who has had the technical education and training of a landscape architect, with several years, at least, of practical experience in work of a character similar to that required in the position to be filled.

The applicant's statements in the application regarding his Educational training and experience (Form 1312, questions 18 and 20, edition of October, 1909) must cover the following:

18. Give a statement of your general education and training, with special reference to work in botany, floriculture, and landscape gardening, giving the names of the institutions at which you have studied, the time spent in each (giving date), courses of study pursued, and the degrees conferred, if any.

20. Show fully and in detail all your experience in nurseries, parks, or arboreta; experience in the designing of parks, pleasure grounds or home plantations, and experience in the composition or planting of such places. This statement should show when (giving dates), where, and by whom you were employed, and the specific nature of your duties in each case. If you have designed or laid out any park or estate or done work of a similar character, copies of your designs should be submitted.

Men only will be admitted to this examination.

Age limit, 20 years or over on the date of examination.

This examination is open to all citizens of the United States who comply with the requirements. This announcement contains all information which is communicated to applicants regarding the scope of the examination, the vacancy or vacancies to be filled, and the qualifications required.

Applicants should at once apply to the United States Civil Service Commission, Washington, D. C., for application Form 1312. No application will be accepted unless properly executed and filed with the Commission at Washington. In applying for this examination the exact title as given at the head of this announcement should be used in the application.

As examination papers are shipped direct from the Commission to the places of examination, it is necessary that applications be received in ample time to arrange for the examination desired at the place indicated by the applicant. The Commission will therefore arrange to examine any applicant whose application is received in time to permit the shipment of the necessary papers.

Issued January 24, 1910.



American Beauties, Roses, Carnations.

PRICE LIST

AMERICAN BEAUTIES

|                                       | Per doz.          |                                          | Per 100       |
|---------------------------------------|-------------------|------------------------------------------|---------------|
| Extra long stems.....                 | \$6 00            | Uncle John, Bride, Maid, Ivory, Sunrise, |               |
| 36 inch stems.....                    | 5 00              | Golden Gate.....                         | 6 00 to 12 00 |
| 30 inch stems.....                    | 4 00              | Perle.....                               | 5 00 to 6 00  |
| 24 inch stems.....                    | 3 00              | Roses, our selection.....                | 5 00          |
| 20 inch stems.....                    | 2 50              | Carnations, White and Pink.....          | 2 00 to 4 00  |
| 18 inch stems.....                    | 2 00              | Harrisii.....                            | 15 00         |
| 15 inch stems.....                    | 1 50              | Valley.....                              | 4 00          |
| 12 inch stems.....                    | 1 00              | Violets.....                             | 1 00          |
| Short stems.....                      | 75                | Adiantum.....                            | 1 00          |
| Richmond, Killarney, Mrs. Field, Mme. | Per 100           | Asparagus, per bunch.....                | 50            |
| Chatenay, My Maryland.....            | \$6 00 to \$12 00 | Ferns, per 1000.....                     | 2 00          |

2,000,000 Feet of Modern Glass.

PETER REINBERG, 35 Randolph Street, Chicago.

Chicago.

STOCK STILL BELOW DEMAND.

Carnations have been coming in more freely and of excellent quality. They are about equal to the demand now, and although the price has eased a little, the best flowers are easily worth three cents, with smaller flowers at corresponding rates. On Saturday, stock of all kinds was well cleaned up and everybody was well satisfied with the volume of business done. Roses were decidedly scarce and the prices soared again. One thing we noted was that growers were not cutting the flowers so tight as they usually do in times of scarcity, apparently being wise to the fact that their interests lie in the other direction. White was again at a premium and the scarcity helped to move large quantities of Paper White narcissus and similar stocks for the cheaper class of funeral work. Violets have been moving better and there has been an active demand for gardenias, sweet peas and other flowers for street wear. Quite an exceptional demand is reported by some retailers for funeral work, especially in the way of bunches of white and colored carnations. Mignonette is in good shape, fine fresh-looking spikes and good foliage. Freesias are arriving in large quantities, very fair stock, also tulips, jonquils and other bulb stock. In orchids cattleyas have not been quite so much in evidence, but we noted a number of late Cypripedium insigne. Greens and galax are selling well and there is a good supply.

CARNATION CONVENTION VISITORS.

The following were among the visitors to the carnation convention, who left the Union depot over the Pennsylvania, Tuesday, January 25, at 5:30 p. m.: Fritz Bahr and wife, Highland Park; E. F. Winterson and wife, Carl Cropp, W. N. Rudd, C. W. Johnson, Geo. Asmus, J. A. Valentine, Denver, Colo., C. L. Washburn, Nic. Zweifel, Milwaukee, Wis., Aug. Poehlmann, J. French, A. T. Pyfer, Joliet, Peter Olsem, Joliet, H. V. Hunkel, Milwaukee, Wis., and M. Barker of the AMERICAN FLORIST.

NOTES.

Mrs. Moore, of the Flower Growers' Market, met with an alarming accident when going home January 17. The bus in which Mrs. Moore was being

# Aphine Test on Roses.

## "THE LINDENS" GREENHOUSES

A. H. & W. S. SCHULTZ

Killarney  
The Bride  
Bridesmaid

261-273 Rosedale Avenue  
Telephone 19-R.

Madison, N. J., Jan. 20, 1910.

APHINE MANUFACTURING CO.,  
Madison, N. J.

Dear Sirs:—

Having just made comparative tests between Aphine and fumigation for our own information and benefit, we think you will be interested in the results.

For green fly on our rose plants we used Aphine as directed, 1 to 40, applying with an auto spray; choosing sunny days, and using a fine spray. We carefully sprayed the plants early in the morning. In a few minutes the fly began to drop, and later when we syringed with the hose we found the plants well rid of fly. In addition we found no discolored buds as in fumigating, but what attracted our attention, the foliage seemed to be improved and invigorated.

From a financial standpoint it costs us \$3 and \$4 to fumigate 2000 lineal feet of rose-houses each time, whereas we would only use a half gallon of Aphine for the same purpose.

The results have shown us that Aphine is higher in efficiency and lower in cost than fumigation.

Yours very truly,  
A. H. & W. S. SCHULTZ.

The manufacturers of Aphine guarantee a uniform product at all times, (if used strictly according to directions); that it will do all that is claimed for it and more.

**\$2.50 per Gallon.**

**APHINE MANUFACTURING CO., Madison, N. J.**

If your supply house does not yet handle Aphine, write us for names of our nearest selling agents.

driven to the Union depot collided with a street car and she was pinned in among the wreckage of the bus, not being able to extricate herself until this was lifted off. Mrs. Moore was badly bruised about the hip and has suffered severe pains in her back and nervous shock since the accident. She was, however, obliged to come to business on Saturday against her doctor's orders.

John Mangel reports excellent business, notwithstanding the high prices and scarcity. He is showing elegant bulb stock, such as tulips in rustic baskets, and his gilt boxes, filled with Lorraine and other begonias, make quite a hit with his customers. Fine stock in all the popular varieties of roses is used here in large quantities, as well as smaller stock, which has

been in great demand for funeral work.

Wiator Bros.' stock is coming in excellent shape, their Beauties, Mrs. Jardine and Richmond roses, as well as carnations in all the popular varieties, being of the best. N. Wiator says they are going to cut out Bridesmaid entirely this season, making up the deficiency in numbers with Killarney, Mrs. Jardine and other pinks. Bride will still be grown and a big stock of White Killarney.

Kyle & Foerster are especially strong on good bulbous stock this week though all classes of flowers are well represented. We noted fine LaReine tulips, lily of the valley and freesias more particularly. Evidence of progress is shown in the installation of another telephone, also a second dupli-



# :: Easter Lilies ::

We are cutting an average of one thousand lilies per day, very choice stock, long stems, large flowers and fine foliage. They are the best flowers in the market and are in great demand during this shortage of Beauties and Roses. We are selling them at \$15.00 per 100 or \$2.00 per dozen. Buy direct of the grower and get fresh stock. **American Beauties, Roses, Fancy Carnations, Tulips, Daffodils, Lily of the Valley, Easter Lilies and Greens.**

Write us for our weekly price list if you are not receiving it. We keep you posted on the flower market.

## Bassett & Washburn

Store and Office: 76 Wabash Ave.,

CHICAGO

Greenhouses: HINSDALE, ILL.

cate cash machine, both of which were needed to handle the push of orders at busy times.

"Quality counts" is John Kruchten's motto, and he is keeping up to it. His stocks of carnations, roses, and all popular flowers and greens is always of the highest order, and he has been kept hustling filling orders this week for this class of goods.

Bassett & Washburn are cutting heavily on O. P. Bassett carnation, and this fine red brings good prices notwithstanding the drop in other reds. Easter lilies also continue to arrive in large quantities daily from the greenhouses at Hinsdale.

Among the finest stocks of Killarney seen during the week, that of Weiland & Risch should be noted, good flowers in all lengths of stem being shown. This firm is also cutting out Bridesmaid this season, Killarney and My Maryland being the chosen pink roses.

Good carnations in all the popular varieties, and plenty of them, have formed the feature at Peter Reinberg's during the week. Beauties are also coming in excellent shape and the cut in all lines is getting larger and better right along.

Vaughan & Sperry have been showing remarkably good Beauties, their growers being right in crop, with prospects good for a continuance. The whole of the cut from some of the best known growers at New Castle, Ind., is consigned here.

The carload of cannas consigned to Winterson's Seed Store last week opened up fine, the roots being in splendid condition. Many were ordered beforehand and are being shipped out and orders for popular varieties are coming in rapidly.

At a meeting of the stockholders of the Flower Growers' Market, January 21, the following board of directors was elected: Alex. Henderson, John Sinner, Walter Tonner, Hertha Tonner and Frank Beu.

Roy Wilcox is likely to use up the cut of the famous Council Bluffs plant as well as large consignments from Chicago on January 31 when he joins the army of benedicts.

At the "busiest house in Chicago," J. B. Deamud Co. is selling everything in sight. Particularly good freesias were noted all the week and they cleaned up daily.

Poehlmann Bros. Co. has been keeping its customers going with good

## AT ALL TIMES

You can depend upon our Filling Your Orders and **QUALITY COUNTS.**

### Roses, Carnations, Violets

Bouvardias, Novelties and all Seasonable Stock.

Let Us Have Your Next Order.

**John Kruchten,** 51 Wabash Ave.,  
CHICAGO.

## "The Busiest House in Chicago"

**W**HAT we want to impress on you is that, no matter what the condition of the market, you will always get the best that can be obtained on the market if you buy your stock of

**J. B. DEAMUD CO.**

stock, but there is no surplus. It has, indeed, been difficult to fill all orders.

Singler Bros., Morgan Park, are reported to have suffered considerable injury to their stock through the bursting of a gas main January 23.

Geo. Reinberg is fortunate in having an excellent cut of Bride roses on at this time of scarcity. Richmond is also coming in fine shape.

D. D. Johnson Co. reports excellent sales of the Evergreen brand fertilizer and that the jobbers are taking up this valuable manure with spirit.

C. W. McKellar, in addition to fancy stocks of gardenias, mignonette and others has been offering fine Cypripedium insigne all week.

Herman Fortman is sending nice stock into the market daily from his greenhouses at Rogers Park, principally carnations.

Joseph Ziska reports great activity in florists' wire work, large and unusual designs being most called for.

S. Muir reports business excellent at both his stores, funeral work being very heavy.

Visitors: J. A. Valentine, Denver, Colo., enroute to the Carnation Society's convention at Pittsburg; Harry Fisher, Kalamazoo, Mich.; J. A. Lisey, Davenport, Ia.; Adam Graham, wife and daughter, Cleveland, O.; Emile Glauber, Montclair, Denver, Colo.; C. W. Scott, of Vaughan's Seed Store, New York; Carl Hirsch, Hillsdale, Mich.

### BOWLING.

The Violets won three games from the Carnations on Thursday evening. In the middle game the last frame was left to the last man on each team, Yarnall and Allie Zech. With the first



# Beauties, Violets, Daffodils, Carnations, Valley.

**Killarney** White and Pink. The finest stock on this market; our growers have made a lucky hit on these popular varieties.

**Tulips** La Reine, Yellow Prince and others. Fine stock, long stems. Large supplies received daily.

**Jonquils** A good supply of fresh stock in the best and most popular varieties arriving regularly.

Our growers are in good crop with the finest long stemmed, medium and short Beauties. Let us hear from you.

**Brides and Maids** We have taken care of our customers through the scarcity and can continue to do so.

**Mexican Ivy** This popular long lasting green in any quantity; always fresh and bright.

**Violets** We are taking orders now for **St. Valentine's Day**; Everybody wants violets for this occasion.

Write for Special Prices.

## VAUGHAN & SPERRY, Wholesale Florists, 52-54 Wabash Avenue, CHICAGO.

ball each man left a pin standing. Zech missed his spare and Yarnall picked his up, thereby winning by seven points. This took the life out of the Carnations; they went "sleepy" and the Violets breezed in by almost 100 pins. The teams now stand: Violets, 1; Carnations, 2; Orchids, 3; roses, 4. This week the Violets meet the Orchids and the Carnations the Roses. A number of substitutes rolled on alleys 5 and 6. E. F. Winterson being the bright and shining star. Spares and splits looked alike to him and he cut down even railroads with the same easy grace and sangfroid. We are not quite sure about this expression, but think it is all right.

### THE SCORES.

|                           |                            |
|---------------------------|----------------------------|
| Carnations 1st 2d 3d      | Violets. 1st 2d 3d         |
| Ayres ... 139 176 156     | Bergman ... 134 182 178    |
| Pastern'h ... 143 144 172 | F. Johnson ... 170 162 168 |
| Krauss ... 128 168 123    | Kruchten ... 135 116 138   |
| Farley ... 158 161 115    | Lieberm'n ... 174 153 116  |
| A. Zech ... 166 138 141   | Yarnall ... 146 162 201    |

|                         |                            |
|-------------------------|----------------------------|
| Totals... 734 787 707   | Totals... 759 794 801      |
| Orchids 1st 2d 3d       | Roses 1st 2d 3d            |
| Huebner ... 147 136 152 | Goerish ... 132 149 145    |
| Graff ... 151 181 144   | Lorimer ... 131 126 112    |
| Vogel ... 163 138 100   | E. Johnson ... 149 154 127 |
| Asmus ... 158 149 174   | Fieser ... 119 153 101     |
| J. Zech ... 133 158 163 | Wolf ... 102 196 115       |

Totals... 752 758 733 Totals... 633 777 600

### Illinois State Florists' Association.

Especial interest is being taken in the coming fourth annual convention of the Illinois State Florists' Association, to be held at the seat of the University of Illinois, Champaign-Urbana, February 15-16. Preparations are well under way to make it one of the most interesting sessions of this growing young society, and for certain excellent reasons it deserves to be the most largely attended convention yet held by the state association.

Comparatively few florists over Illinois have visited the fine experiment station for floriculture on the ground of the College of Agriculture of the State University. It is a model in all respects—as nearly perfect in its plan and as complete and modern in its equipment as one might find in many a day's journey. As an object lesson for future building, the florists of the state ought to make use of this very favorable opportunity to go and see it.

The headquarters during the convention will be the Beardsley hotel, in Champaign. The banquet will be held there Tuesday evening, February 15, taking the place of supper, and beginning shortly after the regular supper hour. The sessions of the convention will be held in Morrow hall, in the agricultural building, on the university campus. But a few paces from the building, stands the beautiful new auditorium, in the foyer of which will be held the exhibition of cut flowers and novelties. It has been decided not to hold a show of

heavy trade exhibits, this being advised by the authorities of the university. All the florists who have it in their power to show anything in cut flowers which will add to the effectiveness of the display should lend their assistance. There are over 4,000 young men and women in attendance upon the various departments of the University of Illinois, and more than 400 members of the faculty of instruction. Surely such an educational opportunity will not be lost by the progressive florists of Illinois. Stock should be much more plentiful than at present by February 15, and even though the date follows so closely upon St. Valentine's day, it is urged that a creditable exhibit must be made in this great educational center, even if obliged to buy some select stock for the purpose. Let everybody lend a hand and give these twin cities a surprise in the extent and quality of the exhibition. A meeting of the executive committee of the association is called to meet in Chicago the first week in February to work up interest in the attendance at the convention and in the exhibition.

The state officers and the local management in the twin cities are working hard to make the convention a great success, and they will appreciate the cordial support of florists in all parts of the state. Only with this can a successful session be had. The officers are C. E. Gullett, Lincoln, president; George B. Franks, Champaign, vice-president; J. F. Ammann, Edwardsville, secretary; Frank L. Washburn, Bloomington, treasurer.

### Mediterranean Cut Flower Trade.

The creator of the Mediterranean flower trade with England was Albert Hernu, one of the founders of the French chamber of commerce. It is a marvel of organized expedition, and he was decorated for it with the Legion of Honor when M. Loubet came to London. He arranged for a collecting train to run along the coast from Menton-Garavan, and after years of urging induced the Paris, Lyons and Mediterranean company to add flower vans to their rapid passenger trains coming north. They now share with the Campagne du Nord and the Southeastern a seasonal revenue exceeding \$450,000, for in 15 years the consignments have increased from 15,000 to 500,000 packages. Not even the mails travel faster than these flowers. It is the Boulogne mail boat they catch at 8:30 p. m., and they are on the market 36 hours after leaving Marseilles. Puck did better, it is true, but this is fast enough to keep them fresh. They travel in small flat baskets or light boxes, two feet square and six inches deep, and the charges for each 11-pound package from Nice to Boulogne is 16 cents; from Boulogne forward 20 cents. British rates are heavier all round.—Pall Mall Magazine.

## Wietor Bros.,

Wholesale Growers of

..CUT FLOWERS..

51 Wabash Avenue, CHICAGO.

### Price List

| American Beauties, 8 | Per doz |
|----------------------|---------|
| Extra long .....     | \$ 6 00 |
| 36-inch stems .....  | 5 00    |
| 30-inch stems .....  | 4 00    |
| 24-inch stems .....  | 3 00    |
| 20-inch stems .....  | 2 50    |
| 18-inch stems .....  | 2 00    |
| 15-inch stems .....  | 1 50    |
| Short .....          | 1 00    |

|                               | Per 100        |
|-------------------------------|----------------|
| Killarney, extra .....        | \$12 00        |
| .. fancy .....                | 8 00           |
| .. good .....                 | 5 00 to 6 00   |
| Richmond, extra .....         | 10 00          |
| .. fancy .....                | 8 00           |
| .. good .....                 | 5 00 to 6 00   |
| Mrs. Jardine, extra .....     | 12 00          |
| .. fancy .....                | 8 00 to 10 00  |
| .. good .....                 | 6 00           |
| White Killarney, fancy .....  | 10 00 to 12 00 |
| Brides and Maids, fancy ..... | 10 00 to 12 00 |
| .. good .....                 | 6 00 to 8 00   |
| Uncle John, fancy .....       | 8 00 to 10 00  |
| .. good .....                 | 5 00 to 6 00   |
| Perle, fancy .....            | 10 cents       |

ROSES, our selection..... \$6 00

|                                                    |              |
|----------------------------------------------------|--------------|
| Carnations, extra fancy .....                      | 2 00 to 3 00 |
| Easter Lilies, short \$2 00 per doz.               |              |
| Valley .....                                       | 4 00         |
| Asparagus Plumosus, extra quality, per bunch ..... | 75c          |
| Fancy Ferns, per 1000 .....                        | \$2 00       |

All other stock at lowest market rates.

Prices subject to change without notice. No charge for packing.

### Lake Forest, Ill.

It was quite a surprise to the gardeners here to hear that F. M. Scharfenberg for the last five years gardener and superintendent to A. B. Dick, will leave his position February 1 and go to Oklahoma to start in commercial business for himself. Walter Tiplady, of Lake Geneva, will take Mr. Scharfenberg's position and will start with Mr. Dick February 1.

The Horticultural Society has over 100 members. The fee is \$2 a year. The monthly meetings are held the last Wednesday of each month.

C. G.

BESSEMER, ALA.—The State Horticultural Society is in session here this week, January 28-29 being the dates.

BAY CITY, MICH.—A deputation from Saginaw and Flint visited Boehringer's greenhouses, 325 Park avenue, January 12, and all the members were delighted with the condition of the place.



# Cut Flowers E. H. HUNT

FOR ALL OCCASIONS.  
FLORISTS' SUPPLIES TOO.

—SEND FOR PRICE LIST.—  
76 Wabash Avenue, CHICAGO.

## KYLE & FOERSTER,

W. P. KYLE.  
51 Wabash Ave.,

CONSIGNORS SOLICITED.  
Wholesale Florists.

JOSEPH FOERSTER  
L. D. Phone  
Randolph 3619. CHICAGO.

## KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., Chicago  
L. D. Phone, Central 466.

We will have anything in the line of  
**CUT FLOWERS and GREENS**  
that you may want if anybody has it at  
Chicago market prices on day of shipment.

## CHAS. W. McKELLAR,

51 Wabash Ave.,  
CHICAGO.

### ORCHIDS

A Specialty

Fancy Stock in Peonies,  
Valley, Roses, Beauties,  
Carnations and a full line  
of all Cut Flowers, Greens,  
Wire-Work and Florists'  
Supplies.

Send for Complete  
Catalogue.

## POEHLMANN BROS. CO.

Wholesale Growers of and Dealers in

### Cut Flowers

All telegraph and telephone orders  
given prompt attention.

Greenhouses 32-37 Randolph St.  
MORTON GROVE, ILL. CHICAGO.



## A. L. Randall Co.

19-21 Randolph St.,  
CHICAGO.

L. D. Phone Central 1496. Private Exchange  
All Departments. If you do not receive our  
price list regularly send for it.

GLOVERSVILLE, N. Y.—John Hooper  
has gone out of business here. There  
are great prospects here for a good  
season.

## J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and  
Carnations  
A Specialty.....

WHOLESALE  
GROWER of

### CUT FLOWERS

## E. C. AMLING

THE LARGEST,  
BEST EQUIPPED,  
MOST CENTRALLY LOCATED  
WHOLESALE  
CUT FLOWER HOUSE  
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,  
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

## Wholesale Flower Markets

CHICAGO, Jan. 26.

|                                    |                |
|------------------------------------|----------------|
| Roses, Beauty, extra select...     | 6 00           |
| " " 36 in .....                    | 5 00           |
| " " 30 in .....                    | 4 00           |
| " " 18 in .....                    | 2 50           |
| " " 15 in .....                    | 1 50           |
| " " Short .....                    | 1 00           |
| Per 100                            |                |
| " Bride, Bridesmaid, select...     | 8 00@15 00     |
| " " medium .....                   | 4 00@6 00      |
| " Killarney, select...             | 6 00@15 00     |
| " " medium and short .....         | 4 00           |
| " Mrs. Jardine .....               | 4 00@10 00     |
| " Mrs. Potter Palmer .....         | 8 00           |
| " My Maryland .....                | 8 00           |
| " Perle .....                      | 7 00           |
| " Richmond extra select...         | 4 00@12 00     |
| " Uncle John .....                 | 6 00           |
| " White Killarney, select .....    | 8 00@15 00     |
| " " medium .....                   | 4 00@6 00      |
| Carnations, select fancy .....     | 3 00@4 00      |
| " common .....                     | 1 50@2 00      |
| Callas, per doz .....              | 2 00           |
| Hyacinths, Roman .....             | 3 00           |
| Lilium Harrisii per doz. 2 00      | 10 00@12 00    |
| Lily of the Valley .....           | 3 00@4 00      |
| Mignonette .....                   | 4 00@6 00      |
| Narcissus .....                    | 3 00@4 00      |
| Orchids, per doz .....             | 6 00@8 00      |
| Sweet Peas .....                   | 1 00@1 50      |
| Violets .....                      | 50@75          |
| Adiantum .....                     | per 100, 1 50  |
| Asparagus Plum, strings, each, 60@ | 75             |
| " sprays .....                     | 3 00@4 00      |
| " Sprengeri .....                  | 3 00@4 00      |
| Boxwood, per bunch.. 35c           | per case 7 50  |
| Ferns .....                        | per 1000, 2 00 |
| Smilax .....                       | 1 50           |

LITTLE ROCK, ARK.—As yet no one  
has been elected to fill the place of  
treasurer of the State Floral Society  
rendered vacant by the death of Wm.  
Pollock.

BE YOUR OWN COMMISSION MAN  
—AT THE—

### Flower Growers' Market

60 Wabash Ave., CHICAGO.

A Few Desirable Stands For Rent.

See JOHN SINNER, Manager.

## Chicago Rose Co.,

JOSEPH ZISKA, Successor,  
Cut Flowers, Florists' Supplies and  
Wire Work a Specialty.

Long Distance Phone Central 2487.

56-58 Wabash Ave., CHICAGO

## WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given  
prompt attention.

51 Wabash Ave., CHICAGO.

## GEO. REINBERG,

Wholesale Grower of **Cut Flowers**

CHOICE AMERICAN BEAUTIES.

We will take care of your orders at reason-  
able prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

## HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 51 Wabash Avenue, CHICAGO

## Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO

Telephone, Central 3284.

BEVERLY, MASS.—James Whittier,  
dealer in plants and garden furniture,  
is bankrupt. The liabilities are placed  
at \$9,206.26, the assets \$936.20.



## Philadelphia.

## AMERICAN BEAUTY ROSES SCARCE.

The feature of the past week was the scarcity of roses. Beauties appear to be taking a vacation, there being a very small stock of this variety on hand. The orders of the day are always ahead of the supply and the retail men are very careful about taking orders for this rose; \$7.50 per dozen is asked for specials. Even the pink rose stock, which has been so plentiful, is scarce, Killarney and My Maryland being very much off crop, with prices up about 33 per cent. Golden Spur daffodils are now to be had in quantity. Freesia is more plentiful, while sweet peas are in good supply and very popular with buyers. White and yellow tulips are now offered in all the houses. Violets are scarce, but with "signs of relief," as the growers say. Quantities of buds are ready to open with a little sun. Cattleyas are a shade easier, 60 cents now being the price. Easter lilies are fairly plentiful, as are callas, there being a good demand for both.

## NOTES.

The event of the week was the opening of the Century Flower Shop No. 2 at Fifty-second and Walnut streets, West Philadelphia. The store presents a very attractive appearance, having two large bulk windows; the interior, about 30 feet long by 15 deep, is very light. Every inch of space was utilized and the various tables, stands and counters were covered with attractively arranged plants and vases of cut flowers, every article or group of a kind, having its price tag prominently shown. The feature and policy of the store is to sell all kinds of florist stock, plants and flowers at low prices. The windows were nicely decorated with stock ready and priced for sale. A prominent sign announced that "at last West Philadelphia had an up-to-date flower shop," which statement is apt to grate a trifle on the nerves of a few of those now some time in the field and who believed they kept their weather eye on the calendar. A souvenir was given out to all customers and visitors, and the business of the first day was reported as very satisfactory. John Holland, of the Century Shop, is in charge, with several assistants. Competition is the life of trade and this newcomer will undoubtedly make the rest of the boys put their best foot forward.

Dennis Connor, for Lord & Burnham, has closed the deal with the Joseph Heacock Co. for the new rose house, 55x600 feet. The ridge will be 23 feet 6 inches high and will have ventilators on both sides of the peak. There will also be side ventilation below the eaves. The house is to be completed by May 15 and will be up-to-date in every respect, having all the latest wrinkles in greenhouse construction, prominent among which will be the shadeless ridge, the southern slope being nine feet longer than the back. That this is but the beginning of a large plant is evidenced by the boiler capacity, there being installed two 100-h. p. return tubular boilers. At Wyncote, Dorothy Gordon carnation is now the feature and those who wish any of this fine variety will have to be quick, as orders were booked last week in lots of 5,000 each, with every mail adding to the list.

At the Niessen establishment *Acacia pubescens* is the novelty, the beautiful sprays of which will now be used for fancy table work, for which purpose there is nothing superior.

McKissick's violets are now much in demand; their large singles and doubles (local) are among the best in the market.

John McIntyre is still busy with white lilac and finds a good demand for all his grower sends him.

K.

## Boston.

## A QUIET WEEK.

The past week has been rather quiet; there has been no great amount of stock coming in, although roses and bulbous stock are more plentiful. There is plenty of funeral work. Killarney, Chatenay and My Maryland roses are all coming in in fine shape now; Bride and Bridesmaid are also showing up well, but are not in such good demand. There is a little shortage of good Easter lilies and some of the growers are cutting their stock much too tight to give satisfaction. An abundance of freesia of the finest quality is coming in and sells on sight. Golden Spur is coming down a little in price, but sells well. Violets are very plentiful and drag a little at times. Cut adiantum is extremely scarce and is coming in in very limited quantities. Cattleyas are more plentiful, but the price holds up. There is an abundance of good lily of the valley. The increasing demand for rose geranium during the winter has led several growers to take up growing it. Wallflowers are gaining favor steadily. There is a marked shortage of good Beauties and the prices are up from last week's quotations. Sweet peas in all colors are coming in more plentifully.

## NOTES.

The Gardeners' and Florists' Club held its monthly meeting January 18. The meeting was well attended and the features were a lecture on "Plant Collecting in the Heart of China," by Prof. E. H. Wilson, and the installation of officers for the coming year. The new officers are: J. W. Duncan, president; Peter M. Miller, vice-president; W. N. Craig, secretary; E. Hatch, treasurer.

Adiantum Farleyense, as grown by A. N. Pierson, of Cromwell, Conn., is amongst the most desirable plants the retailer can use. The plant itself is a thing of beauty and the fronds can be cut and used to advantage in many ways.

H. A. Wheeler & Co., of Newton, are making arrangements to add a new house to their plant. This firm is one of the largest specialists in orchids in this part of the country.

S. Goddard, of Framingham, is sending some exceptionally fine freesia to market. This stock is handled by Salesman Pegler and is sold before it reaches the market.

The Waban Rose Conservatories are not giving the space to American Beauty that they have in former years and the crop is proportionately smaller.

The double violets of L. Smith, of Tewksbury, are especially worthy of mention. They have been of fine quality from the first of the season.

The N. F. McCarthy Co. is handling an extensive line of florists' supplies and specialties and report trade as being good.

Welch Bros. are handling a large quantity of fine gardenias and report sales as being most satisfactory.

The pansies coming in from Ward, of Quincy, are well up to the standard of former seasons.

R.

BUFFALO, N. Y.—Chas. A. Brownell will start in the growing business here this year, intending to have his greenhouses ready by October. Ernest Stillman, late with Levant Cole, of Battle Creek, Mich., will be associated with Mr. Brownell.

## Washington.

## A BUSY WEEK.

We have experienced an unusually busy week, all hustling with decorations or funeral work. Stock is coming in fast, and in good shape, but it is being used up quickly, and in some instances there has been a shortage of some special colored rose or carnation.

## NOTES.

An unusual demand for orchids, lily of the valley and violets was created, owing to the death of Senor Joaquim Nabuco, late ambassador to the United States from Brazil. The services were held at St. Matthew's church and were attended by President and Mrs. Taft, the diplomatic representatives of every nation, the cabinet, members of the United States supreme court, and most distinguished representatives of America's legislative, official and civilian life. The floral offerings were so numerous and so massive that they could not be placed close by the catafalque nor before the altar rail as usual. One of the most conspicuous, both for size and beauty, was the wreath sent by the Bureau of American Republics. As in all the other wreaths and emblems in the church, the orchid, which is the national flower of Brazil, predominated. The tributes represented nearly every country of North and South America and many of Europe. Among the chief tributes were those of President and Mrs. Taft. Secretary of State and Mrs. Knox, President of Brazil, Secretary of State of Brazil, Republic of Chile, Portuguese legation, diplomatic corps of Washington, Republic of Mexico, Republic of Venezuela, Senor Quesada, minister from Cuba to the United States, Secretary of the navy and Mrs. Meyer and Mrs. Richard Townsend. Most of these designs were of the Roman style, and decorated with orchids, lily of the valley and violets, and in each arrangement they were entwined with the colors of the countries represented and the American colors. It is said that the amount of flowers used and tributes sent almost equaled that of the late President McKinley.

Geo. C. Shaffer executed the table decorations for the dinner given by Governor Magoon of Cuba at the Alibi club. The feature was a huge centerpiece of poinsettias and Easter lilies. A china fern dish filled with ferns and a poinsettia was placed at each plate, to be taken home by the guests as a souvenir.

Charlie Davis and H. C. Summers are breaking the record of the flower market with yellow and white marguerites.

J. D. Blackstone has had a busy week with funeral work and decorations.

The Gude Bros. Co., reports one of the busiest weeks of the season.

The Washington Florist Co. claims business could not be better.

Visitor: W. Van Court, of Pennock-Meehan Co., Philadelphia; representative of Reed & Kellar, of New York.

G. S.

RED BANK, N. J.—The sixth annual dinner of the Monmouth County Horticultural Society was held January 20 at the Sheridan hotel, and was a very enjoyable affair, being attended by 80 members and friends.

KANKAKEE, ILL.—Raasch Bros. have purchased five acres of land and will build a new greenhouse, 47x200 feet, for carnation growing. Both brothers are growers of experience and will grow for the Chicago market.



## Bulbous Stock

Single Daffodils, Golden Spur and Princeps.  
Tulips, Pink, White, Red and Yellow.  
Valley, Very Choice, \$3.00 and \$4.00 per 100.

## Acacia Pubescens.

Long graceful sprays of small yellow, ball shaped flowers, beautiful foliage, a very choice novelty  
\$2.50 per bunch.

THE LEO NIESSEN CO., Wholesale Florists Business Hours, 7 a. m. to 8 p. m.  
1209 Arch Street, Philadelphia, Pa.

## American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

## Asparagus Plumosus Nanus

Extra large heavy strings,  
50c each.

W. H. Elliott, Brighton, Mass.

## Wholesale Flower Markets

| PHILADELPHIA, Jan. 26.    | Per 100     |
|---------------------------|-------------|
| Roses, Beauty, extra..... | 25 00@40 00 |
| first.....                | 10 00@15 00 |
| Brides and Maids.....     | 6 00@10 00  |
| Tea.....                  | 6 00@10 00  |
| extra.....                | 12 00@25 00 |
| Carnations.....           | 4 00@ 6 00  |
| Cattleyas.....            | 50 00@75 00 |
| Lilium Harrisii.....      | 12 00@15 00 |
| Lily of the Valley.....   | 4 00@ 5 00  |
| Mignonette.....           | 5 00@ 6 00  |
| Violets, single.....      | 75@ 1 00    |
| double.....               | 1 00@ 1 50  |
| Adiantum.....             | 75@ 1 00    |
| Asparagus, bunch.....     | 50 00       |
| Smilax.....               | 15 00@20 00 |

| BOSTON, Jan. 26.          | Per 100      |
|---------------------------|--------------|
| Roses, Beauty, best.....  | 25 00@ 50 00 |
| medium.....               | 15 00@25 00  |
| culls.....                | 5 00@10 00   |
| Bride, Bridesmaid.....    | 4 00@ 6 00   |
| Extra.....                | 6 00@ 8 00   |
| Carnations.....           | 2 00@ 3 00   |
| selected.....             | 25 00        |
| Callas.....               | 8 00@16 00   |
| Cattleyas.....            | 50 00@75 00  |
| Gardenias, per dozen..... | 3 00@ 4 00   |
| Lilium Longiflorum.....   | 10 00        |
| Lily of the Valley.....   | 2 00@ 4 00   |
| Sweet Peas.....           | 1 00@ 1 50   |
| Adiantum.....             | 75@ 1 00     |
| Asparagus.....            | 35 00@50 00  |
| Smilax.....               | 12 00@16 00  |

| PITTSBURG, Jan. 26.                    | Per 100     |
|----------------------------------------|-------------|
| Roses, Beauty, special.....            | 25 00@40 00 |
| extra.....                             | 15 00@20 00 |
| No. 1.....                             | 8 00@12 00  |
| Bride, Bridesmaid.....                 | 4 00@12 00  |
| Chatenay.....                          | 4 00@12 00  |
| Killarney.....                         | 4 00@12 00  |
| My Maryland.....                       | 4 00@12 00  |
| Richmond.....                          | 4 00@12 00  |
| Carnations.....                        | 2 00@ 4 00  |
| Bouvardias.....                        | 2 50@ 3 00  |
| Callas.....                            | 12 00@15 00 |
| Cattleyas.....                         | 75 00       |
| Cypripediums.....                      | 15 00       |
| Daisies yellow.....                    | 2 00        |
| Freesias.....                          | 3 00@ 4 00  |
| white.....                             | 2 00        |
| Gardenias.....                         | 35 00@50 00 |
| Hyacinths, Romans.....                 | 2 00        |
| Lilac, white..... per bunch, 1 00@1 50 |             |
| Lilium Longiflorum.....                | 15 00       |
| Lily of the Valley.....                | 4 00        |
| Mignonette.....                        | 4 00        |
| Narcissus.....                         | 2 00@ 3 00  |
| Snagdragons.....                       | 4 00@ 6 00  |
| Sweet Peas.....                        | 50@ 1 00    |
| Violets, double.....                   | 75@ 1 00    |
| single.....                            | 50@ 75      |
| Adiantum.....                          | 1 50        |
| Asparagus Sprengeri, per bunch.....    | 50          |
| strings..... per string.....           | 50          |
| sprays..... per bunch.....             | 50          |
| Smilax.....                            | 15 00       |

MARLBORO, MASS.—Geo. Milne, formerly a well-known florist of this town, died last week at Winchester.

MARYSVILLE, CALIF.—J. W. Evans, Jr., of the new floral and seed store, has leased the well-known Karr property for a term of years. The property is on F street, and Mr. Evans will use it for nursery and greenhouse purposes. At an early date the lessee will erect a large greenhouse.

## VIOLETS, VALLEY.

### Carnations. VERY FANCY.

Get prices on quantities.

All other stock in quantity.

McCALLUM CO., Inc.,

Pittsburg

## Pittsburgh Cut Flower Co.,

Wholesale Florists and Growers,

The House that has and sells good goods at fair prices.

Salesrooms, 222 Oliver Ave.

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Choice Assortment of CUT FLOWERS will be found here.

WRITE FOR PRICES.

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Business Hours 7 a. m. to 8 p. m. 1619-1621 Ranstead St., PHILADELPHIA, PA.

Absolutely  
The Best Possible  
Service.

EVERYTHING A FLORIST USES.

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All Flowers in Season. Send for list.

## RICE BROTHERS

Wholesale Florists and Supplies.

115 N. 6th St., MINNEAPOLIS, MINN.

Cut Flowers received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities.

## Weiland & Olinger,

128 E. Third St., CINCINNATI, OHIO.

Wholesale Growers and Shippers of Cut Flowers.

Carnation Georgia \$12.00 per 100 \$100.00 per 100 Greenhouses, NEW CASTLE IND.

—THE—

J.M. McCullough's Sons Co.,  
Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES  
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 534.

## THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

## Pittsburg Florists' Exchange

Wholesale Cut Flowers

We have anything in the line of Cut Flowers and Greens that you may need at any time.

A. C. S. Convention visitors are cordially invited to make their headquarters at our store.

15 Diamond Square, PITTSBURG, PA.



# WALTER F. SHERIDAN

Wholesale Florist,

39 West 28th St., NEW YORK.

TELEPHONE 3532-3533 MADISON SQUARE.

Can fill your orders for fine **Carnations**, the best quality, and leading varieties of **Roses**. Our daily shipments embrace Special Quality of **Violets**, **Bulbous Stock** and a general assortment of other Cut Flowers.

## New York.

### TRADE FAIR.

A great January thaw, which continued throughout the past week, has practically obliterated the evidences of the great snowstorm. The cut-flower business of the past week has been moderate, not as good as we should have reason to expect at this season. It is a fact that, at the present time, the great majority of the people of this city are more concerned about the price of food than the price of flowers. Arrivals of cut flowers were not heavy during the past week, but there was more than enough to supply all demands. Very special American Beauty roses held up to 75 cents each, but many of inferior grade sold for from 40 to 60 cents. There has been a great quantity of inferior stock of all varieties of flowers on the market and prices have ruled according to quality. Good tea roses are usually good sellers, but many have been selling for less than they should bring at this season. There are splendid exhibits of cattleyas in the wholesale stores, but many of them are being practically sacrificed. Lilies, which a few weeks ago were up to 15 cents per flower, are now hard to move at 10 cents. There is some improvement in the quality of yellow narcissi and tulips, but not as much as we should have reason to expect at this season. Good stock of these varieties bring good prices, but is scarce. Carnations are holding their own. Violets are pouncing along in the usual way, with thousands of them in the hands of the street vendors.

January 24.—While business is not heavy, there is a fair demand, with plenty of stock to fill it. The weather continues moderate and favorable for business. A better quality of tulips and yellow narcissus is now arriving. Both lilies and lily of the valley are rather slow.

### NOTES.

The finest house decoration that has been seen in this city this season was executed by Alexander McConnell on January 18, for a house-warming given by George Gould and wife at their new residence, 857 Fifth avenue. It consisted largely of cattleyas, oncidiums and American Beauty roses. Three thousand orchids and 1,500 American Beauties were used in the decoration. A commendable innovation was the placing of the flowers on elevated

tables so as not to obstruct the view of the guests. There was an elaborate background in Alabama smilax and Cyathea medullaris. The whole was arranged in such a manner as to produce a fine tropical effect. Much credit is due Andrew Scott, decorator for this store, for his successful work.

A meeting of the executive committee of the American Rose Society was held in this city last week. The committee of the New York Florists' Club, of which Walter F. Sheridan is president, appointed to make suitable arrangements for the approaching convention and exhibition, also held a meeting. While we are not authorized to give particulars, it may be definitely stated that all who attend the convention and show will thoroughly enjoy themselves and go home convinced that "little old New York" can rise up to the emergency and cave in the emergency's head.

The next regular monthly meeting of the Florists' Club will be held in the Grand Opera house building on the evening of February 14, and the special feature will be "Carnations." Ladies are invited, and also those in the trade not members of the club, but who are interested in the carnation. Valuable prizes have been donated by Vaughan's Seed Store, Reed & Keller and the Stump & Walter Co.

On January 24 H. D. Darlington filled an order from Pennsylvania for a lot of his celebrated erica, to be used as a decoration for a banquet given by Scotchmen.

Eugene Dailedouze, of Flatbush, Chas. Weber, of Lynbrook, and Wm. Enggren, of Aqueduct, have gone to the carnation convention at Pittsburg.

Maurice Rosenblum, 909 Second avenue, was married January 22 to Miss Mary Green, daughter of Daniel Green, of Paterson, N. J.

J. K. Allen says that January 22 was the busiest day he has had for many years and that he was completely sold out.

The fine orchids handled by Traendly & Schenck continue to be features of the wholesale district.

CLINTON, IND.—J. H. Ricketts has again leased the Sunnyside Floral Co. of Herman Raabe and has possession. Mr. Ricketts has been running a store at Numa. Mr. Raabe will for the present be in a store in Terre Haute.

## Buffalo.

### ROSES SCARCE.

The weather has been very cold and inclined to snow. Trade is very good and stock scarce, this being especially noticeable with roses. Violets, lily of the valley, sweet peas and carnations are equal to demands. McKinley day, which falls on Saturday this year, should create a demand for his favorite flower. Weddings have been numerous, but decorations not very large. Receptions have taken a rest and several large banquets gave leading retailers some nice table work.

### NOTES.

Novelties noted at a recent funeral of one of our prominent people were a bunch of white roses and, for a background, a large piece of pink Porto Rican matting, extending about six inches outside of the ferns and roses.

S. A. Anderson had a fine window last week, spring flowers of all kinds including pussy willow and yellow daisies being shown. All in all it was a stunner.

R. A. Scott is confined to his home with an injured knee; we trust he will soon be around.

### BISON.

### Our First Botanical Garden.

The first botanical garden in America was established near Philadelphia about 1730 by John Bartram, a Quaker, who was also the first native American botanist. It was a small affair (the entire property comprised only five acres) and a part of the limited space was occupied by the house, built by his own hands; but the garden was a remarkable project, indeed, for those days, and is known to have contained many choice specimens.

William Bartram, son of John, is perhaps better known as a botanist because of the fact that his account of his extended travels in the southern Atlantic states was published and contains many important observations upon the plants of the regions explored by him. He maintained the garden established by his father and after his death the property remained in the hands of owners who were deeply concerned in its preservation for many years.

During a short period of neglect serious damage was done to the old



1887

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1910

# J. K. ALLEN, Wholesale Commission Florist,

Established 1887.

106 West 28th Street,

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Open the year around to receive shipments of Cut Flowers.

Open Every Morning at 6 a. m.

Prompt Returns To Shippers

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Phones, 798 and 799.

NEW YORK.

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42 West 28th Street,  
To out-of-town florists

We are in the Heart of

New York

And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

## CHARLES MILLANG Wholesale Florist

On the ground floor of New York Cut Flower Co.  
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Open from 6 a. m. to 6 p. m. The "Hub" of the Wholesale District.

## Alexander J. Gullman, THE WHOLESALE FLORIST OF NEW YORK

34 WEST 28th STREET

PHONES, 1664-1665 MADISON SQUARE

ENOUGH SAID

## Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756  
Madison Square.

NEW YORK.

Mention the American Florist when writing

Give us a  
Trial.  
We can  
Please you.Roses, Carnations and all kinds of  
Seasonable Flowers in Stock.WM. F. KASTING CO., Wholesale  
Commission Florists.

BUFFALO, N. Y.

Florists' Supplies and Wire Designs.

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WHOLESALE FLORIST

55 and 57 W. 26th St., NEW YORK

Telephones: 4620 4621 3864 Madison Sq.

VIOLETS CARNATIONS  
AND ROSES

Shipping Orders Receive Prompt Attention.

garden, but within the last 20 years it has become the property of the city of Philadelphia, and is now a city park. According to the Journal of the New York Botanical Garden, its collection of trees and shrubs has always been notable, and the old house is still in an excellent state of preservation.

## Wholesale Flower Markets

| NEW YORK, Jan. 25.           |             |
|------------------------------|-------------|
| Roses, Beauty, special       | 60 00@75 00 |
| fancy                        | 40 00@50 00 |
| Bride, Bridesmaid, special   | 10 00@12 00 |
| extra and fancy              | 8 00@10 00  |
| No 1 and No 2                | 4 00@8 00   |
| Killarney, special           | 15 00@20 00 |
| extra and fancy              | 8 00@10 00  |
| My Maryland, special         | 15 00@20 00 |
| Richmond                     | 3 00@20 00  |
| Carnations                   | 2 50@5 00   |
| Callas                       | 1 00@1 50   |
| Cattleyas                    | 40 00@60 00 |
| Gardenias                    | 2 00@4 00   |
| Hyacinths                    | 1 00@1 50   |
| Lilium Longiflorum           | 10 00@12 00 |
| Lily of the Valley           | 1 00@4 00   |
| Mignonette                   | 50@1 00     |
| Narcissus Paper White        | 75@1 00     |
| Trumpet Major                | 3 00@6 00   |
| Sweet Peas, per doz, bunches | 50@1 50     |
| Tulips                       | 2 00@6 00   |
| Violets                      | 25@60       |

| BUFFALO, Jan. 26.               |             |
|---------------------------------|-------------|
| Roses, Beauty, special          | 5 00        |
| fancy                           | 4 00        |
| extra                           | 3 00        |
| Bride, Maid, Killarney          | 4 00@15 00  |
| Carnations                      | 2 00@4 00   |
| Daisies                         | 1 00@1 50   |
| Hyacinths, Romans               | 3 00@4 00   |
| Lilium Longiflorum              | 12 00@15 00 |
| Lily of the Valley              | 4 00@5 00   |
| Mignonette                      | 3 00@5 00   |
| Narcissus                       | 2 00@3 00   |
| Stevia                          | 1 00@1 25   |
| Violets, double                 | 75@1 00     |
| Adiantum                        | 75@1 50     |
| Asparagus                       | 25 00@50 00 |
| Asp. Plumosus strings           | 40@50       |
| Ferns                           | 2 00        |
| Galax, Green or Bronze per 1000 | 1 50        |
| Smilax strings                  | 15 00       |

## August Millang

WHOLESALE FLORIST

41 W. 28th St., NEW YORK

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. &amp; W. 26th St., New York.

Open for Cut Flower Sales at 6  
o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

V. S. DORVAL, Secretary.

PONTIAC, ILL.—W. J. Miller & Son have completed their new range of glass and heated it with a Kroeschell hot water generator. They are now ready for the young stock.

## HORACE E. FROMENT

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American Beauty Roses a specialty. Roses,  
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Telephones: 2200 and 2201 Madison Square.

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## JOHN I. RAYNOR

Are the best product of the best growers  
for the New York market.

Adiantum Croweanum sold here exclusively.

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Telephone 1998 Madison Square.

## KESSLER BROS.

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## Greens! Greens! Greens!

**Boxwood**, per case, 50 lbs., \$7.50; 100 lbs., \$14.00  
**Leucothoe Sprays**, per 100, 50c; per 1000, \$4.00.  
**Galax**, green and bronze, per 1000, 75c; per case 10,000, \$6.00.  
**Wild Smilax**, per 50-lb. case, \$5.00; 2 case lots, \$9.00; 4 case lots, \$16.  
**Smilax**, per dozen strings, \$1.50.  
**Fancy Eastern Ferns**, per 1000, \$1.50; per 5000, \$6.25.  
**Green Sheet Moss**, per bundle, \$1.00.  
**Sphagnum Moss**, per bundle, \$1.00.

## William Murphy,

Wholesale Commission Florist.

L. D. Phone 311 Main St., Cincinnati, O.  
 M 980.

## George Cotsonas & Co.

Wholesale and Retail Dealers  
 in all kinds of  
**Evergreen**



Fancy and Dagger  
 Ferns, Bronze and  
 Green Galax.  
 Phone 1202 Mad. Sq.



Main Store, 50 W. 28th St., NEW YORK.

## New Crop Ferns

**FANCY** and **DAGGER** ready May 1st.  
 Special price for large orders  
 Price \$1.25 per 1000.

**CALDWELL THE WOODSMAN CO.,**  
**Evergreen, Alabama**

## Bronze Galax

New crop now ready. Medium size, 2 1/4 to 3-in., at \$3.00 per case. Large size, 3 1/4 to 4 1/2 in., at \$3.50 per case. 10,000 to the case. "Low prices, low rates and first-class leaves," my motto. Send me at least a sample order.  
 Cash with order.

**C. H. WRIGHT, Saddle, N.C.**

## GALAX LEAVES

and **Leucothoe Sprays**.

Preparing Galax Leaves for Cold Storage.  
 Send me your order and Save Money.

**J. G. LOVEN, Montezuma, N. C.**

**GALAX, FERNS, LEUCOTHOE.**

We are in new field and can furnish the above Evergreens in better grades than any dealer in the south, at the following prices:

**Galax**, green or bronze, \$0.50 per 1000  
**Ferns**, dagger or fancy, 1.00 per 1000  
**Leucothoe**, green, 2 ft. and up, 2.50 per 1000  
 14 in. average, 1.50 per 1000  
 bronze, good lengths, 4.00 per 1000

Discount on large orders; quality strictly guaranteed.  
**The Tuscaloosa Evergreen Co., Sylva, N. C.**

### Flower Names.

It is interesting to know how certain flowers get their names. Many were named after individuals. For instance: fuchsias were called so because they were discovered by Leonard Fuchs. Dahlias were named after Andre Dahl, who brought them from Peru. The camellia was so called for a missionary named Kamel, who brought some magnificent specimens of the flower to France from Japan. He called it the rose of Japan, but his friends changed it to camellia. Magnolias were named in honor of Prof. Magnol of Montpellier, who first brought the beautiful tree to France from America and Asia, says the Washington Times. Trembling in the wind is the meaning of anemones. The Latin word to wash is lavare, and lavender received its name because the Romans put the flowers into water when they wished to perfume their hands.



FANCY.

## Henry M. Robinson & Co.

Wholesale Commission Florists.

**Cut Flowers** of all kinds, **Hardy Cut Evergreens** and **Florists' Supplies**.

**Dagger and Fancy Ferns** ..... \$1.50 per 1000  
**Bronze and Green Galax** ..... \$1.00 per 1000; 8.50 per 10,000  
**Leucothoe Sprays** ..... \$1.00 per 100; \$7.50 per 1000

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays,

A large stock constantly on hand. Can fill orders at a moment's notice, Telephone or telegraph.

Telephones: 2617-2618 Main; Fort Hill 25290.  
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## FANCY FERNS, \$1.75 per 1000

**New Crop Galax**, Bronze or Green ..... \$1.25 per 1000; 10,000, \$7.50  
**Sphagnum Moss**, large bales ..... \$1.25; 6 bales, \$7.00. Extra fine  
**Leucothoe Sprays**, Green and Bronze ..... \$1.00 per 100; \$7.50 per 1000  
**Boxwood** ..... per bunch, 35c; 50-pound case, \$8.50

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

## MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists and Florists' Supplies,

38-40 Broadway,

All phone connections.

**DETROIT, MICH**

## HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

**462 Milwaukee St., MILWAUKEE, WIS.**

## Wholesale Flower Markets

| ST. LOUIS, Jan. 26.       |                |
|---------------------------|----------------|
| Roses, Beauty, long stems | 25 00@35 00    |
| " " medium stems          | 15 00@20 00    |
| " " short stems           | 6 00@10 00     |
| " " Bride, Bridesmaid     | 4 00@ 8 00     |
| " " Chateaux              | 4 00@ 8 00     |
| " " Killarney             | 4 00@ 8 00     |
| " " My Maryland           | 4 00@ 6 00     |
| " " Richmond              | 4 00@ 8 00     |
| Carnations                | 1 00@ 2 00     |
| " " fancy                 | 2 50@ 3 00     |
| Callas                    | 12 50@15 00    |
| Easter Lilies             | 12 50@15 00    |
| Hyacinths, Roman          | 1 50@ 2 00     |
| Jonquils                  | 3 00@ 4 00     |
| Narcissus                 | 2 00@ 2 50     |
| Sweet Peas                | 25@ 75         |
| Adiantum                  | 1 50           |
| Asparagus Sprengeri       | 2 00@ 3 00     |
| " " cut sprays            | 1 00@ 2 00     |
| Ferns, fancy              | per 1000, 1 75 |
| Smilax                    | 12 50@15 00    |

| CINCINNATI, Jan. 26.          |                |
|-------------------------------|----------------|
| Roses, Beauty                 | 2 00@ 6 00     |
| " " Bride, Bridesmaid         | 3 00@ 8 00     |
| " " Golden Gate               | 3 00@ 8 00     |
| " " Killarney                 | 4 00@10 00     |
| " " Richmond                  | 4 00@10 00     |
| Carnations                    | 3 00@ 4 00     |
| Callas                        | 12 50          |
| Hyacinths, Roman              | 3 00           |
| Lilium Longiflorum            | 15 00          |
| Lily of the Valley            | 4 00           |
| Narcissus, Paper White        | 3 00           |
| Violets, single and double    | 1 00@ 1 50     |
| Adiantum                      | 1 00@ 1 50     |
| Asparagus Sprengeri, per bch. | 25             |
| Ferns, Eastern                | per 1000, 1 50 |
| Galax, Bronze                 | per 1000, 1 25 |
| Smilax                        | 12 50@20 00    |

| MILWAUKEE, Jan. 26      |                |
|-------------------------|----------------|
| Roses, Beauty           | 1 50@ 5 00     |
| " " Bride, Bridesmaid   | 4 00@12 00     |
| " " Killarney           | 4 00@12 00     |
| " " Liberty, Chateaux   | 2 00@ 8 00     |
| " " Perle               | 4 00@10 00     |
| " " Richmond            | 4 00@10 00     |
| Carnations              | 1 50@ 4 00     |
| Lilium Giganteum        | 15 00          |
| " " Longiflorum         | 15 00          |
| Lily of the Valley      | 3 00@ 4 00     |
| Narcissus, Paper White  | 3 00           |
| " " Trumpet Major       | 3 00@ 4 00     |
| Sweet Peas              | 75@ 1 00       |
| Violets                 | 75@ 1 00       |
| Adiantum                | 1 50           |
| Asparagus               | per string, 50 |
| " " Plumosus, per bunch | 35             |
| " " Sprengeri           | 35             |
| Ferns, Fancy            | per 1000 2 00  |

## C. A. KUEHN, Wholesale Florist,

**1122 Pine St., ST. LOUIS, MO.**

A Complete Line of Wire Designs.

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## WM. C. SMITH Wholesale Floral Co.

WHOLESALE FLORISTS

**1316 Pine St., ST. LOUIS, MO.**

Both L. D. Phones, Supplies and Everything in Season always on hand

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Wholesale Florist,

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Mention the American Florist when writing

Perpetuated and Natural Sheet

## MOSSSES

Southern Wild Smilax:

**E. A. BEAVEN, Evergreen, Ala.**

FREEMONT, ILL.—All the glass in one of the greenhouses belonging to John Bauscher, Jr., was broken down January 15 on account of the great load of snow it supported. The snow forced the glass in for a distance of 310 feet, entailing a loss of from \$300 to \$400. Mr. Bauscher states that the cause of the accident was his inability to get coal to keep the houses warm enough to melt the snow.



# DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

**Alexander McConnell,**

571 Fifth Ave., Windsor Arcade,  
NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 36th St.

Cable address: ALEXCONNELL  
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Cleveland, O.

**The Cleveland Cut Flower Co.**

Will fill your orders for designs and cut flowers in  
NORTHERN OHIO.

Dayton, O.

**Matthews,**

—FLORIST—

16 W. 3rd Street.

Flowers in any arrangement for all occasions,  
for Dayton and vicinity. Long dis. Phones

St. Paul, Minn.

**HOLM & OLSON,  
ST. PAUL.**

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in  
MINNESOTA AND THE DAKOTAS.

Los Angeles, Calif.

**J. W. Wolfskill,  
FLORIST.**

Telegraph Orders  
A Specialty. 218 W. 4th St.

St. Paul, Minn.

**L. L. MAY & CO.**

Order your flowers for delivery  
in this section from the

Leading Florists of the Northwest

San Francisco, Calif.

**J. B. BOLAND**

Successor to Sievers and Boland,  
FLORIST

60 KEARNEY STREET.

Atlanta, Ga.

**Atlanta Floral Co.**

41 Peachtree Street.

Pittsburg, Pa.

H. L. BLIND & BROS.,

Two Stores: Liberty Av. & 5th St., 5424 Center Av.  
Greenhouses: West View.

New York.

Established 1874.

**DARDS**

N. E. Corner 44th St.  
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

San Francisco.

SCARCITY OF STOCK.

Business continued good after the holiday rush, up to a few days ago, when things quieted down considerably. All kinds of flowers have been selling at Christmas prices, owing to a great scarcity, due to the extremely cold weather, the thermometer registering several nights as low as 22° above zero. As many of the growers are not prepared for such cold, most of the soft wooded plants, even under glass, when without artificial heat were frozen, especially such as cinerarias, heliotrope, asparagus, etc. All the late chrysanthemums grown in the open by the Chinese, turned black from the frost; this causes a great scarcity of cheap flowers for funeral work. Should the weather continue cold all kinds of stock will continue scarce for some time to come. For-mosum lilies are making their appearance in the retailers' windows; they are of good quality and sell well.

NOTES.

H. Plath, president of the California State Floral Society was recently presented with a very handsome diamond stick pin, by the members. The society proposes to distribute at its future meetings, plants, seeds and bulbs free of charge amongst the school children of the city, also offering prizes to encourage and foster the love of flowers amongst the children. Any one wishing to help this society along in its good work is requested to send contributions to the secretary, Mrs. H. P. Tricou, 852 Grove street. This society is the oldest of its kind on the Pacific coast composed mostly of amateurs. Before the advent of the Pacific Coast Horticultural Society it was the only one holding annual exhibitions of flowers in this city some of which were carried out on a large scale and were very successful.

At the annual meeting of the Pacific Coast Horticultural Society the following officers were elected: V. Matraia, president; John R. Atkinson, vice-president; T. F. Taylor, corresponding secretary; F. Grimshaw, financial secretary; D. McLaren, treasurer. Eight candidates were elected to membership. The society will hold its annual banquet at the new Palace hotel and it promises to be a very enjoyable affair. F. Pelicano, V. Matraia, J. R. Atkinson, D. McLaren and D. MacRorie are on the committee of arrangements.

Landscape gardeners are reporting business as very good. F. Taylor has refused several large contracts lately, not being able to get enough competent help.

P.

Detroit, Mich.

**John Breitmeyer's Sons**

Corner Miami and Gratiot Avenues.

Artistic Designs.  
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Kansas City, Mo.

Geo. M. Kellogg Flower and Plant Co.,  
906 GRAND AVE.

KANSAS CITY and PLEASANT HILL, MO.  
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

Terre Haute, Ind.

**John G. Heintz & Son,**  
129 South Seventh St.

Telephone 247.

We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

Pittsburg, Pa.

**A. W. SMITH CO.**

KEENAN BLDG.

Largest Floral Establishment in America  
Established 1874. Incorporated 1909.

Rochester, N. Y.

**J. B. KELLER SONS,**

FLORISTS.

25 Clinton Avenue, N.

Rochester Phone 506. Long Dis. Bell Phone 2189

*M. A. Rowe*

IN THE HEART OF NEW YORK CITY

Phone 2270 38th St. 1294 Broadway  
Our Motto—THE GOLDEN RULE

Evansville, Ind.

—THE—

**Wm. Blackman Floral Co.**  
402 MAIN STREET

Prompt attention given to all mail, telephone and telegraph orders.

Louisville, Ky.

Established 1880.

**M. D. REIMERS**

Successor to Chas. W. Reimers,

329 Fourth Avenue



## DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

New York.

**The Flower Shop**

136 W. 42nd St. Phone 259 Bryant.  
Near Knickerbocker Hotel.

Finest quality of Roses, Orchids, Gardenias, etc.  
Particular attention paid to Steamer and Hotel orders.

Boston, Mass.

Send flower orders for delivery in

**Boston and all  
New England Points**

To THOS. F. GALVIN, Inc.,  
124 TREMONT ST.

THE J. M. GASSER COMPANY,

**CLEVELAND, O.**

We Cover All Points in Ohio.

St. Louis, Mo,

Write, Wire or Phone Your Orders to

**YOUNGS**

1406 Olive Street,

Regular discount allowed on all orders, either  
Plants or Cut Flowers.  
Phones Bell, Main 2306, Kinloch, Central 4981

Kansas City, Mo.

**Samuel Murray**

..... FLORIST .....

1017 Broadway Coates House

Both Phones 2670 Main. Conservatory

Write, Telephone All orders given prompt  
or Telegraph, attention.

New York.

We Guarantee Satisfaction.

**A. T. Bunyard Floral Co.**

413 Madison Ave. cor. 48th St.

Colorado Springs, Colo.

**FRANK F. CRUMP,**

Wholesale and Retail Florist.

MICHIGAN.

Orders will be carefully  
cared for by**HENRY SMITH,**

Wholesale and Retail Florist of GRAND RAPIDS

WASHINGTON, PA.—Upon petition the court has authorized the sale of the stock of Joseph H. Seaman & Co., South Main street, now in the hands of Joseph D. Jackson, Jr., receiver. Upon the receiver deeming it advisable to make a sale of the stock, etc., for cash, either in part or as a whole, he is directed to give 10 days' notice of the sale by advertisement, notice to creditors, and by hand bills. The petition sets forth that it is believed to be for the best interests and advantage of the creditors of the partnership that the stock, etc., be converted into cash and distributed among the creditors.

Kansas City, Mo.

**WILLIAM L. ROCK,  
Flower Co.,**

Will carefully execute orders for  
Kansas City and any town in

Missouri, Kansas or Oklahoma.

Montreal.

RETAILERS BUSY.

There was a good trade last week in all lines, but funeral work was most in demand, and that of the better class. Some really original work of high class is being exhibited by some of our retailers, and this certainly is a step forward. The supply of cut flowers has been somewhat short lately, also the better class of pot plants, for which there has been a steady sale since the holidays; violets are beginning to get plentiful, also sweet peas and most of the bulbous stock with the exception of yellow daffodils, which are very scarce. The growers are active preparing the Easter stock; being so early considerable anxiety is felt as to the black stem Lillium giganteum being on time. This lily is thought to be the most profitable to grow. There will be a large variety of roses seen, both double and single, and the newest.

The annual dinner of the Gardeners' and Florists' Club was held January 20 at the Edinburgh cafe. It was the most successful in the history of the club; about 55 members were present. The after-dinner speeches were kept to the subject assigned to each speaker and the singing was first class. The following toasts were responded to: "Our Country," by Prof. Lochhead, of Macdonald College, who strongly recommended education and co-operation; "Sister Societies" was responded to by W. C. Hall, secretary of the Canadian Horticultural Society, and A. J. Bowles, of the Montreal Horticultural Society; R. W. Whiting spoke on "Private Gardeners." Ald. James McKenna on "The City Parks"; G. A. Robinson for the florists and R. S. Pinkerton for the seed trade. Songs were rendered by A. Ferguson, F. Allan, A. J. Bowles, J. Pidduck, E. Heyward, W. C. Hall and J. Pennington.

Carnations are rooting well this year. One firm has already their whole supply struck. A new seedling by Hall & Robinson named Outremount looks to be a winner, but will be tried another year.

Harry Eddy, a private gardener, 32 years of age, died of typhoid. He was a son of John Eddy and a well-known member of the Gardeners' and Florists' Club. He leaves a young wife but no children.

S. S. Bain, who spent a week in Toronto visiting, speaks highly of the hospitality received there.

LUCK.

Fred E. Cotton, N. B.

The weather is seasonal, bright and cold, 26° below zero January 14. Stock looks well and we are selling quite a lot of red geraniums, a fad borrowed from St. John. We happened to have quite a nice bench of S. A. Nutt in good order so are reaping the benefit. Yellow daffodils are in demand.

J. B.

Brooklyn, New York.

**"WILSON"**

3 and 5 Greene Ave. and 339 to 347 Greene Ave.  
Greenhouses: Short Hills, N. J.

— Deliveries in —

NEW YORK, LONG ISLAND and NEW JERSEY.  
Mention the American Florist when writing

New York.

**MYER, FLORIST,**

609-611 Madison Ave.

Phone 5297 Plaza.

Indianapolis, Ind.

**Bertermann Bros. Co.****FLORISTS**

.....241 Massachusetts Ave.

Omaha, Neb.

**Hess & Swoboda,****FLORISTS,**

1415 Farnum St. TELEPHONES  
1501 and 1 1552

Denver, Colo.

**The Park  
....Floral Co.**

J. A. VALENTINE, President.

Denver, Colo.

**FLORAL DESIGNS AND FLOWERS**

Best Quality on Shortest Notice

**DANIELS & FISHER**

Order by mail, telephone, telegraph or  
cable. Cable address "Daniels. Denver"

Toronto, Can.

Canada's best known and most reliable florist

**Only  
the  
Best Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

**Seattle,  
Wash.****L. W. McCOY**

**GEO. A. HEINL,** Leading Florist,  
TOLEDO, OHIO.  
All Orders Promptly Executed.



# DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place,

L. D. Phone 558 Lake View.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Chicago.

## HAUSWIRTH FLORIST

Auditorium Annex.

Mail, Telegraph or Telephone Orders Filled Promptly in Best Style.

Cincinnati, O.

## JULIUS BAER,

138-140 E. Fourth St.  
Long Distance Phone.

New Orleans—

### CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838—  
CANAL ST.

Savannah, Ga.

## JOHN WOLF,

Wholesale and Retail  
FLORIST.

Kalamazoo and  
Battle Creek, Mich.

## H. A. FISHER CO.

Wholesale and Retail Florists.

We Handle Everything in Season.

BUFFALO, N. Y.—The orchid show is now on at the South park conservatories, the principal attraction being six new unnamed cattleyas from south Venezuela. The exhibit is housed in a special house and includes all the better known varieties of orchids, the lœlias being exceptionally fine this year.

HARTFORD, CONN.—Many warrants have been issued against florists and other merchants because of the Sunday closing law which permits no work or business on Sunday except that of mercy and necessity. This is one of the old blue laws and has never been repealed or substituted since 1702. It is predicted, however, that this law will soon be modernized.

## Washington,

### D. C.

14th and H Streets.

*Blackstone*

Also

1601 Eutaw Place,

## Baltimore, Md.

Lansing, Mich.

## Gurdon B. Smith

Covers all Points in Michigan. Best of Shipping Facilities in all Directions. Always has the best of Everything.

Buffalo, Niagara Falls, Lockport.

## S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.



FROM NEW YORK EXCEPT AS NOTED.

February 1.

Noordam, Holland-Amer., 9 a. m., Hoboken Pier.

February 2.

Umbria, Cunard, 9 a. m., Piers 51 and 52, North River.  
Finland, Red Star, 10 a. m., Pier 14, N. River.  
Celtic, White Star, 11 a. m., Pier 48, West 11th street.

February 3.

La Bretagne, French, 10 a. m., Pier 42, North River.

February 4.

FROM BOSTON, Numidian, Allan, 3 p. m.  
FROM PHILADELPHIA, Manitou, Red Star, 10 a. m.

February 4.

Columbia, Anchor, 2 p. m., Pier 64, N. River.  
Italia, Anchor, Pier 64, North River.  
New York, American, 10 a. m., Pier 15, North River.  
Saxonia, Cunard, 12 noon, Piers 51 and 52, North River.  
Florida, French, Pier 34, North River.  
Laurentio, White Star, 2 p. m., Pier 48, West 11th Street.  
President Grant, Ham.-Amer., 2 p. m., Hoboken Pier.  
Roma, Fabre, 1 p. m., Amity Dock.  
Grosser Kurfuerst, N. Ger. Lloyd, 11 a. m., Hoboken Pier.  
FROM ST. JOHN, Hesperian, Allan.  
FROM PHILADELPHIA, Merion, American, 10 a. m., Pier 54.



## WASHINGTON

### D. C.

## Gude's

Washington, D. C.

## Geo. C. Shaffer,

== FLORIST ==

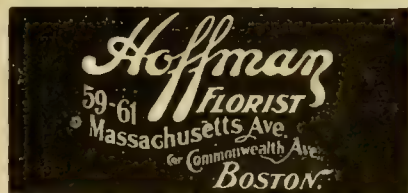
Phone 2416 Main

14th & Eye Sts., N. W.

Write, Telegraph or Telephone.

Buffalo, N. Y.

*Palmer's* Flowers of Quality  
W. J. Palmer & Son,  
304 Main St.



Albany, N. Y.

## EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on Telegraphic Order.

11 NORTH PEARL STREET.

Milwaukee, Wis.

## C. C. Pollworth Co.

Will take proper care of your orders in Wisconsin.

Louisville, Ky.

## JACOB SCHULZ,

550 So. Fourth Avenue.

Anderson, S. C.

## THE ANDERSON FLORAL CO.

533 MARSHALL AVE.



## The Seed Trade.

### American Seed Trade Association.

J. C. Robinson, Waterloo, Neb., Pres.; M. H. Duryea, New York, First Vice-Pres.; F. W. Bolgiano, Washington, D.C., Second Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.; Leonard H. Vaughan, Chicago, Asst. Sec'y. Twenty-eighth annual convention, at Atlantic City, N. J. June 21, 1910.

J. W. EDMUNDSON, of the Braslan Seed Growers' Co., San Jose, Calif., visited Cincinnati this week.

C. E. KENDEL, Cleveland, recommends Nitro-Culture for sweet peas, inoculating the seed before sowing.

BIDS will be received by the United States Department of Agriculture up to February 4 on surplus vegetable and flower seeds which can be supplied up to September 1, 1910.

CHICAGO.—Contract prices on the board of trade January 26 for grass seed were noted as follows: Timothy, \$4.15. White clover, from 20 cents to 25 cents.—Carl Cropp, of Vaughan's Seed Store, will make a short trip east from the Pittsburg convention.—Visitor: E. M. Parmalee, of the John H. Allan Seed Co., Sheboygan, Wis.

NEW YORK.—Henry Nungesser, of Henry Nungesser & Co., who has been laid up with a sprained foot, is, we are glad to report, able to be again at his desk.—Remodeling goes on apace at the Peter Henderson & Co.'s store. They have moved Patrick O'Mara's office upstairs.—W. E. Marshall has returned from his western trip; he was snowbound, but suffered no hardship.—McHutchison & Co. report that business was never better.—Ralph M. Ward is on an extended business trip.

### Transparent Seed Packages Not Effective Before July 1, 1910.

Some time since the post office department made a ruling that seed packets must be transparent, so that it was possible to tell whether any written matter was enclosed in the package or not. I have just been informed that they have granted an extension of time up to July 1, 1910, on this ruling, thus permitting seedsmen to make use of stock on hand.

This will be welcome news to the trade and I hope that before that date the post office department will change its ruling in such a way that it will not interfere with the future mailing of seeds put up in the ordinary way.

## Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

**SAN JOSE, CALIF.**

There have been no complaints of seed dealers ever taking advantage of this privilege by sending out any first-class mail matter in seed packets. There is, therefore, no legitimate reason for making a special ruling against them.

CHAS. N. PAGE.

### Important Seed Decision.

The New York state court of appeals decided last December the case of Geo. M. Depew of Canandaigua, against the Peck Hardware Co. Depew sued for \$842, consisting of \$700 loss of one year's crop of alfalfa, \$80 for expense in plowing and \$42 for new seed for re-seeding. Depew won his suit first in the county court. The Peck Co. appealed to the appellate division of the supreme court, which affirmed



Carl Cropp.

Sec'y-Treas. Vaughan's Seed Store, Chicago.  
A Seedsman Because He Likes It.

the decision of the lower court. The Peck Co. again appealed to the court of appeals at Albany, which affirmed the judgment of the two lower courts. Costs are estimated to be about \$600.

The history of the case in brief is that Depew in 1904 went to the store of the Peck Hardware Co. and asked to see some alfalfa seed, with the intention of purchasing. He examined some seed, which the manager of the company produced before him and is said to have said was alfalfa seed and "the best seed they could get."

Depew purchased five bushels of the seed and sowed it on 10 acres of his farm. In the fall of that year the stand of alfalfa appeared to be good, but in May, 1905, a large number of the plants supposed to be alfalfa appeared to have yellow blossoms, while alfalfa blossoms are purple. Depew forwarded some of the yellow blossoms to the Geneva Experiment Station, and the experts there found that the plants were trefoil and dodder.

It appeared that about half of the crop was of those plants. Another five acres, which was seeded with seed purchased from another dealer, showed the same proportion of weeds instead of alfalfa, and that dealer when threatened with suit paid the damages claimed. The Peck company refused to pay anything, claiming that it was not liable, not having warranted the seed.

[It is not stated whether the seedsmen's disclaimer was used in this sale or not, presumably not.—ED.]

### Gladiolus Bulb Disease.

It is well known to dealers and florists who keep these bulbs over winter in storage that there are frequently scabby looking spots, which appear on the sides or bottoms of the bulbs, and which continue to enlarge and often involve one third or more of the bulb and practically destroy it.

We have tried a solution of one part of formaldehyde to five parts of water on such diseased bulbs, using it in two different ways. First the diseased parts and spots were brushed with a solution; second, the whole bulb was soaked in it for about two minutes. Twelve bulbs of each lot were tried and were planted in the greenhouse with a result, so far, rather more favorable to those dipped than to the others.

The effect on the disease by the use of the solution shows immediately; the spots on the bulbs which are beginning their growth are soft so they may easily be scraped off; they become hardened and the growth of the same is checked. The soaking of the bulbs is recommended as the quickest and surest treatment. It may be well to use this treatment as a preventive, soaking the bulbs at planting time in the spring.

COLLECTOR.

### The Clover Seed Case.

There has been much interest manifested in the law suit which was instituted by a farmer near Des Moines against the Iowa Seed Co., which has just been decided. Plaintiff claimed to have purchased 5½ bushels of clover seed from the Iowa Seed Co., as medium or common red clover, that he sowed the same and did not notice any difference the first year, but that the second season it proved to be Mammoth Red clover. Defendant denies that it was Mammoth, claiming that the unusually large growth was caused by rich soil and wet weather. They did not press this point, however, as they preferred to have the case decided on the disclaimer, so as to establish a precedent in the trade. It was shown that the farmer had a good

(CONTINUED ON PAGE 32.)

## Peas AND Beans

Alfred J. Brown Seed Co.,

Growers for the Wholesale Trade,

GRAND RAPIDS MICH.





# A PURE SEED ACT.

Draft of a Bill under consideration by members of the House of Representatives, and regarding which the seed trade has been consulted. Criticisms of the proposed Bill should be addressed to Secretary C. E. Kendel, Cleveland, Ohio.

A BILL to regulate commerce among the States, and with foreign nations, and to prevent the transportation of adulterated and misbranded seed and bulbs, and for other purposes.

## PAGE 1.

1 *Be it enacted by the Senate and House of Representa-*  
2 *tives of the United States of America in Congress assembled,*  
3 That the introduction into any State, Territory, or District  
4 of the United States from any other State, Territory, or Dis-  
5 trict, or from any foreign country, or the shipment to any  
6 foreign country of any seed or bulbs adulterated or mis-  
7 branded, within the meaning of this Act, is hereby pro-  
8 hibited; and any person who shall knowingly ship or deliver  
9 for shipment from any State, Territory, or District, or to  
10 United States to any other State, Territory, or District, or to  
11 a foreign country, or who shall receive in any State, Terri-  
12 tory, or District from any other State, Territory, or District  
13 or foreign country, and having so received shall knowingly

## PAGE 2.

1 deliver or offer to deliver in original unbroken packages for  
2 pay or otherwise to any other person any seed or bulbs adul-  
3 terated or misbranded, within the meaning of this Act, shall be  
4 guilty of a misdemeanor, and for such offense be fined not  
5 exceeding two hundred dollars for the first offense and for  
6 each subsequent offense not exceeding five hundred dollars.

7 SEC. 2. That the Secretary of Agriculture shall make  
8 uniform rules and regulations for carrying out the provisions  
9 of this Act, and may from time to time establish standards  
10 for different kinds of seed and bulbs and for different grades  
11 of the same kind or variety of seed or bulbs.

12 SEC. 3. That the term "seed," as used in this Act,  
13 shall include vegetable, flower, cereal, grass, clover, forage  
14 plant, and other agricultural and horticultural seeds intended  
15 for seeding purposes.

16 SEC. 4. That for the purposes of this Act seeds and  
17 bulbs shall be deemed to be adulterated:

18 First. If seed purporting to be extra orchard-grass seed  
19 contain more than two per centum of seed of rye grass or  
20 meadow fescue; if seed purporting to be extra Kentucky  
21 bluegrass seed contain more than two per centum of seed of  
22 Canada bluegrass; if seed purporting to be extra red-clover  
23 seed contain more than two per centum of seed of yellow  
24 trefoil; if seed purporting to be extra alfalfa seed contain  
25 more than two per centum of seed of yellow trefoil, burr

## PAGE 3.

1 clover, and sweet clover, singly or combined; or if any seed  
2 or bulbs purporting to be of one kind or variety in connection  
3 with the word "extra" contain more than two per centum  
4 of another kind or variety, provided that no seeds or bulbs  
5 shall be deemed adulterated, within the meaning of this  
6 paragraph, when accompanied by a statement or label in  
7 the form and manner prescribed by the rules and regula-  
8 tions in this Act provided for giving the name and amount  
9 or proportion of each of the kinds or varieties of seeds or  
10 bulbs contained therein.

11 Second. If seed or red clover, alsike clover, alfalfa, or  
12 Egyptian clover, contain seed of dodder; or, if any seed con-  
13 tain weed seed rendering it unfit for seeding purposes: *Pro-*  
14 *vided*, That the provisions of this paragraph shall extend only  
15 to seed intended or offered for export to or imported from a  
16 foreign country.

17 Third. If any seed or bulbs contain, respectively, dead  
18 seed or dead bulbs, or any other matter in sufficient quantities  
19 to materially reduce the value for seeding or planting pur-  
20 poses: *Provided*, That this paragraph shall extend only to  
21 seed or bulbs intended or offered for export to or imported  
22 from a foreign country.

23 Fourth. If there shall be added to seed any weed seed  
24 or dead seed, or any other matter materially reducing its  
25 value for seeding purposes: *Provided*, That it shall not be

## PAGE 4.

1 construed as a violation of this paragraph to mix different  
2 lots of seed of the same kind or variety which are not them-  
3 selves adulterated under the provisions of this Act.

4 SEC. 5. That for the purposes of this Act, seed and  
5 bulbs shall be deemed to be misbranded:

6 First. When one kind or distinguishable named variety  
7 of seed or bulbs shall be offered for sale under the name of  
8 another kind or distinguishable variety of seed or bulbs.

9 Second. If in package form and the quantity of the  
10 contents is stated, they are not plainly and correctly stated in  
11 terms of weight, measure, or count.

12 Third. If the seed or bulbs be falsely labeled or  
13 branded as to the State, Territory, locality, or country in  
14 which raised or produced.

15 Fourth. If the package containing it or its label shall  
16 bear any statement, design, or device, concerning the seed or  
17 bulbs contained therein, which statement, design, or device  
18 shall be false or misleading in any material particular, or, if  
19 the contents of the package as originally put up shall have  
20 been removed in whole or in part and other contents shall  
21 have been placed in such package.

22 SEC. 6. That whenever the Secretary of Agriculture  
23 shall have made public, in accordance with the provisions  
24 of this Act, any standards of seeds and bulbs, which he may  
25 have fixed and determined, it shall be lawful for seeds and

## PAGE 5.

1 bulbs complying in all respects with the standards so fixed  
2 and determined by the Secretary of Agriculture to bear  
3 upon the label, together with the name of the article the  
4 inscription "United States Standard;" and any person who  
5 shall use such inscription or words of similar import in any  
6 way as descriptive of any seed or bulb, subject to the pro-  
7 visions of this Act, which does not in all respects comply  
8 with the standards so fixed and determined, shall be guilty  
9 of a misdemeanor, and for each offense be fined not exceeding  
10 one thousand dollars.

11 SEC. 7. That no dealer shall be prosecuted under the  
12 provisions of this Act when he can establish a guaranty,  
13 signed by the wholesaler, jobber, producer, or other party  
14 residing in the United States from whom he purchases such  
15 articles, to the effect that the same are not adulterated or  
16 misbranded within the meaning of this Act, designating it.  
17 Said guaranty to afford such protection shall contain the  
18 name and address of the party or parties making the sale  
19 of such articles to such dealer, and in such case said party  
20 or parties shall be amenable to the prosecutions, fines, and  
21 other penalties which would otherwise attach, in due course,  
22 to the dealer under the provisions of this Act; but it shall  
23 not be lawful to place on any package or container of seed  
24 or bulbs any label showing that the same are guaranteed  
25 under this Act unless such label further shows that the

## PAGE 6.

1 guaranty is by the purchaser or wholesale or other dealer,  
2 nor unless such label further complies with the rules and  
3 regulations to be made by the Secretary of Agriculture, as  
4 herein provided for.

5 SEC. 8. That if any seed or bulbs that is adulterated  
6 or misbranded within the meaning of this Act and is being  
7 transported from one State, Territory, or district to another  
8 for sale, or, having been transported, remains unloaded, un-  
9 sold, or in original unbroken packages, or if the same be  
10 sold or offered for sale in any Territory or district, or is im-  
11 ported from a foreign country for sale, or is intended for  
12 export to a foreign country, shall be liable to be proceeded  
13 against in any district court of the United States within  
14 the district where the same is found, and seized for con-  
15 fiscation by a process of libel for condemnation. And if any  
16 such seed or bulbs is condemned as being adulterated or mis-  
17 branded, within the meaning of this Act, the same shall be  
18 disposed of by destruction or sale, as the court may direct, and  
19 the proceeds thereof, if sold, less the legal costs and charges,  
20 shall be paid into the Treasury of the United States, but  
21 such seed or bulbs shall not be sold in any jurisdiction con-  
22 trary to the provisions of this Act or the laws of that jurisdic-  
23 tion: *Provided, however*, That upon the payment of the  
24 cost of such libel proceedings and the execution and de-  
25 livery of a good and sufficient bond to the effect that such

## PAGE 7.

1 seed or bulbs shall not be sold or otherwise disposed of  
2 contrary to the provisions of this Act, or the laws of any  
3 State, Territory, or district, the court may by order direct  
4 that such seed or bulbs be delivered to the owner thereof.  
5 The proceedings of such libel cases shall conform, as nearly  
6 as may be, to the proceedings in admiralty, except that either  
7 party may demand trial by jury of any issue of fact joined in  
8 any such case, and all such proceedings shall be at the suit  
9 of and in the name of the United States.

10 SEC. 9. That the Secretary of the Treasury shall deliver  
11 to the Secretary of Agriculture, upon his request, from time  
12 to time samples of seed and bulbs being imported into the  
13 United States or offered for import, giving notice thereof to  
14 the owner or consignee, who may appear before the Secre-  
15 tary of Agriculture and have the right to introduce testi-  
16 mony, and if it appear from the examination of such samples  
17 that any seed or bulbs offered to be imported into the United  
18 States is or are adulterated or misbranded within the meaning  
19 of this Act, or is or are otherwise falsely labeled in any  
20 respect, or is or are of a quality forbidden entry into or forbid-  
21 den to be sold or restricted in sale in the country from which  
22 exported, or is or are intended for adulteration purposes,  
23 the said seed or bulbs shall be refused admission under such  
24 regulations as the Secretary of the Treasury may prescribe:  
25 *Provided*, That the Secretary of the Treasury may deliver

## PAGE 8.

1 to the consignee such seed or bulbs, pending examination  
2 and decision in the matter, on execution of a penal bond for  
3 double the amount of the full invoice value of such seed or  
4 bulbs, together with the duty thereon, and on refusal to re-  
5 turn such seed or bulbs for any cause to the custody of the

[Section 9, evidently incomplete.]

6 SEC. 10. That the term "Territory" as used in this Act  
7 shall include the insular possessions of the United States.  
8 The word "person" as used in this Act shall be construed to  
9 import both the plural and the singular, as the case demands,  
10 and shall include corporations, companies, societies, and asso-  
11 ciations. When construing and enforcing the provisions of  
12 this Act, the act, omission, or failure of any officer, agent, or  
13 other person acting for or employed by any corporation,  
14 company, society, or association within the scope of his  
15 employment or office, shall in every case be also deemed to  
16 be the act, omission, or failure of such corporation, company,  
17 society, or association as well as that of the person.

18 SEC. 11. That this Act shall be known, described, and  
19 designated as the Pure Seed Act.

20 SEC. 12. That this Act shall take effect and be in force  
21 upon the expiration of six months after its passage.



# Fancy Leaved Caladiums



An unexcelled collection of more than 150 varieties, including many of the newest Brazilian sorts, which are now offered for the first time.

## SPECIAL SELECTIONS.

|                                      | Per doz.* | Per 100 |
|--------------------------------------|-----------|---------|
| Choice Standard Varieties.....       | \$1.50    | \$10.00 |
| New or Rare Varieties.....           | 2.00      | 15.00   |
| Selected New and Rare Varieties..... | 3.50      | 25.00   |

For the most complete list of Seasonable  
Bulbs, such as

**Tuberous Rooted Begonias, Gloxinias, Etc.**

See our current wholesale list.

The above prices are intended for the trade only.

**Henry A. Dreer, 714 Chestnut St Philadelphia, Pa.**

stand, that the yield of hay was large, but that he deserted his crop and refused to harvest the same. It went on and produced a large crop of seed, variously estimated to be from four to seven bushels per acre, on his 50-acre field, but plaintiff let the seed go to waste and brought suit to recover damage claimed to be \$1,500, though, before suit was finished, he voluntarily reduced the said claim to \$850.

Defendant claims that, although they are at all times ready to replace seed when it does not prove satisfactory from any fault of the seed, still, in order to protect themselves against such suits, they publish in several places in their catalogue a so-called disclaimer, refusing to warrant seeds; that this disclaimer is also printed on large placards posted in various prominent places in their building; that the disclaimer is also printed on the receipt given to the farmer for the money paid for this seed. They also claim that this is a general custom in use by all seed dealers in the United States and Europe, which they confirmed by having on exhibition, not only their own catalogue but the catalogues of more than 100 American seed dealers and about 40 foreign seed dealers, all of which contained the disclaimer.

After four days' trial, which was contested on every point, Judge McHenry finally ruled in favor of defendant on every standpoint, holding that there was no warranty, either express or implied, and that it was a universal custom of the seed trade and had been for many years past, to sell seeds without warranty and that this custom and usage had become established as a law, of which the customer or purchaser of seeds is bound to take notice.

### Haarlem Jubilee Flower Show Dates.

Permanent show in the open—  
March 23 to May 29.  
First special show—March 23-31.  
Second special show—April 15-24.  
Third special show—May 4-12.  
Fourth special show—May 20-22.

## NOTICE

We hear that one of our employes who was with us a short time at Chicago has assumed to give advance orders for our goods and without authority. All interested persons are notified that such orders are fraudulent, and no valid orders of importance from our house for immediate or future delivery exist unless initialed or signed by an officer of the company.

**VAUGHAN'S SEED STORE.**

CHICAGO, Jan. 27, '10.

### Sand Binding Grasses.

Tying down the sand of the sea shore by means of binding grasses has been made the subject of a report in Great Britain, where troubles from sand blowing inland are frequent. The marrom grass (*Psamma arenaria*) is one of the grasses recommended for binding the loose, shifting sand. That the damage done is serious may be taken from old records. In the course of a few years more than 10 square miles of fertile land on the west coast of Scotland was completely inundated by blown sand, and this, it is thought, was caused by the thoughtless pulling up of the marrom grass. It owes its fixing properties to its ability to grow on poor, sandy soil, of resisting drought and of refusing to be buried, no matter how high the sand may be piled over it. It also grows from many nodes like the couch or twitch so that each bit of root severed from the parent stock forms a cutting which soon roots. In New Zealand other plants are grown like the sea lyme grass (*Elymus arenarius*), which grows like large wheat, *Spinifex hirsutus* and *Scirpus frondosus*. But the marrom grass is best of all, holding the sand firm and, by its decay, enriching the ground with humus and building up a fertile soil. This paves the way for the planting of conifers and other trees to make permanent reclaimed land.

ESTABLISHED IN 1824.

## Bridgeman's Seed Warehouse

RICKARDS BROS., Props.,  
37 East 19th St., New York  
bet Broadway and 4th Ave.,  
Telephone 4235 Gramercy.

CHOICE GERMAN

## FLOWER SEEDS

Catalogue free on application.  
Stamp letters 5 cents; foreign post cards 2 cents.

**FREDERICK ROEMER,**  
Seed Grower, Quedlinburg, Germany.

### Gladiolus Independence.

This is without exception the best light red Gladiolus in the market. Fine bright foliage; stem always straight; spike perfect with good number of flowers open at once. Flower of great substance, shipping well, of good size, well opened, color bright cherry, fine by artificial light.

All sizes and Cormels. Write for prices.

**GEO. S. WOODRUFF,** Independence, Iowa.

### Seeds By Flying Express.

Now and then comes something or other from the postoffice department or somewhere else calculated to induce a comforting thought that possibly our great mail-carrying system here in the United States is not such a mighty money-eater and tax-compeller as it is sometimes represented to be. Auditor Chance of the department has, for instance, just made up some figures from the business of the quarter-year ended September 30, 1909—the first quarter of the current fiscal year—from which it appears that for that period there was not only a large and very encouraging increase in the volume of the general postal and the money-order business over that of the corresponding quarter in 1908 but also an actual decrease of more than one-third in the postal deficiency as reported for that previous quarter. Now let all the treasury "watch-dogs" and all the pessimists over government conduct of the letter-carrying business sit up and take notice for a minute. Here are the figures:

The postal revenues for the last September 30 quarter were \$50,931,927,



## S. D. WOODRUFF & SONS, SEED GROWERS

Dealers in Garden, Field and Flower Seeds.  
Specialties: Beet, Carrot, Corn, Peas,  
Beans, Onion Sets and Seed Potatoes.  
Catalogue free. Contracts taken.

Orange, Conn. 82-84 Dey Street,  
NEW YORK.

GET QUOTATIONS FROM

## LANDRETH

SEEDS which SUCCEED

Bloomsdale Farm. Bristol, Pa.

### QUALITY SEED BULBS

SEND FOR CATALOGUE

### ARTHUR T. BODDINGTON

348 West 14th St., New York.

## CAULIFLOWER SEED CABBAGE

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.  
Logangstraede 20, COPENHAGEN, DENMARK

an increase of \$4,729,821, or 10.23 per cent. The audited expenditures amounted to \$57,107,533, an increase of \$1,221,839, or only 2.18 per cent. The daily cost of the service averaged a little more than \$620,000, with revenues of about \$553,000. The postal deficiency showed a decrease from \$9,637,818 to \$6,183,597. Thus, while the revenues increased 10.23 per cent, the expenditures increased only 2.18 per cent—an indication that receipts may some day catch up with expenditures and perhaps outstrip them completely in the race; and the deficit for the quarter actually showed a reduction of nearly \$3,500,000. A chance for a ray of hope, surely.—New York Commercial.

### Pea Packers Not Worried.

The fact that local jobbers have not taken hold of future peas on the basis named by packers early in the week with any degree of freedom is not causing visiting sellers any particular uneasiness. Conditions surrounding the situation with reference to futures are regarded as rather more favorable than has usually been the case. In connection with the situation one of the best known of the western packers now on the market said to a reporter: "The situation may be considered one of the best in a good many years, from the point of view of stocks carried over. In most cases packers are sold out of grades under fancy and extra standards and there is no weakening in the ideas of the larger interests. The Wisconsin packers are decidedly firm in their ideas. Indiana packers seem to be carrying little or no stock in any grade. So far as futures are concerned the prospects look good in spite of the fact that buyers in this market are not ready to take hold yet. On the basis of values fixed, which are practically the same as those made last year, we look for a good buying interest as soon as the trade is ready to enter contracts. We consider that the prices fixed are as low as can be made this year under the conditions surrounding the pro-

NEW SEED

# Phoenix Roebeleni

The Only Seed to Be Offered

## SANDER

T. MELLSTROM,  
Representative.

235 Broadway, Room 1, NEW YORK.

## Canary Islands Onion Seed

BERMUDA, Red and White. Also CRYSTAL WAX.

Choicest Seed at Moderate Prices.

We don't sell direct to truckers.

Kuhner, Henderson & Co., TENERIFFE,  
CANARY ISLANDS.



### STOCK SEED

Fisk's Branching in all colors. Trade packet, 40c., oz. \$4.00.  
Pure White, tr. packet, 50c., oz. \$5.00  
Also Beauty of Nice strains.

H. E. FISKE SEED CO.,  
Boston, Mass.

Mention the American Florist when writing

## Crego Aster Seed.

The Crego Pink Aster is the largest and finest variety grown. We can furnish seed of our own growing saved from the very best flowers only, all inferior plants being discarded. This seed was saved from the finest lot of asters we ever saw. Price 1/4-oz. 60c; ounce \$2.00.  
Ask for catalogue of our seeds.

JOSEPH HARRIS CO., Seed Growers, Goldwater, N. Y.

—FOR—  
**SEEDS**  
OF ALL KINDS APPLY TO  
W. W. JOHNSON & SON, Limited,  
Boston, England.

duction of the article. The cost this year will be higher than last season for the reason that growers are less disposed to make contracts for acreage. Other farm products pay them better than peas and there is less risk to be run."—New York Commercial.

### Imports.

During the week ending January 22 imports were received at New York as follows:

H. F. Darrow, 71 cases, nine pkgs. plants, 350 cases valley, 260 pkgs., 20 cases seed.

McHutchison & Co., 81 cases plants, 28 pkgs. seed.

H. Nungesser & Co., 100 bags seed.

J. M. Thorburn & Co., 55 pkgs., 13 bags seed.

Stumpp & Walter Co., 48 bags seed.

Braslan Seed Growers Co., 21 bags seed.

Vaughan's Seed Store, 86 pkgs.; one case seed.

Bridgeman's Seed Warehouse, four bags seed.

F. R. Pierson Co., one bbl seed.

A. T. Boddington, two pkgs., two cases seed.

## ASPARAGUS

Sprengeri, per 1000 seeds ..... 75c

### PETUNIA

Large flowering, double fringed, trade pkt .. 1 00

Large flowering, single fringed, trade pkt .. 50

Large flowering, single fringed, California .. 50

Giants..... 50

SALVIA Zurich, oz ..... 5 00

Triumph, oz..... 5 00

MOONFLOWER, White Seed ..... 35

### FRESH TOBACCO STEMS.

Bale of 300 lbs., \$1.75; ton, \$9.00.

W. C. BECKERT, Seedsman,  
103 Federal St., N.S., PITTSBURG, PA.

## JOHN BODGER & SONS CO. Gardena, Calif.

Wholesale Growers of Sweet Peas,  
Tomatoes, Lima Beans, Lettuce, Asters,  
Cosmos and other Flower Seeds.

Mention the American Florist when writing

## Waldo Rohnert

GILROY, CAL.

### Wholesale Seed Grower

Specialties: Lettuce, Onion, Sweet Peas, Aster,  
Cosmos, Mignonette, Verbena, in variety.  
Correspondence solicited.

Mention the American Florist when writing

## Pape & Bergmann,

Quedlinburg, Germany.

### Elite Seeds of Flowers and Vegetables.

Specialties: Stock, Pansies, Cyclamen, etc.,  
Cactus Dahlias Bulbs. General Catalogue Free.

Mention the American Florist when writing

## S. M. Isbell & Co.,

Jackson, Mich.

### CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Pea, Muskmelon,  
Squash, Watermelon, Radish, Sweet Corn.  
Correspondence solicited.



## Market Gardeners

### Greenhouse Vegetable Growers and Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President;  
Franklin DeKleine, Grand Rapids, Mich.,  
Vice-President; S. W. Severance, 508 Illi-  
nois Life Building, Louisville, Ky., Secre-  
tary; M. L. Ruetenik, Cleveland, O., Treas.

MELONS can be grown in heavy soil by mixing half coal ashes.

TOMATOES in six-plant bundles are convenient for seedsmen and other storekeepers to handle.

### Lettuce Temperatures.

We note what D. Wolf says in regard to lettuce temperatures. Referring to our former article, we mentioned the fact that there is a great variation among different growers, in regard to temperature, to size of good lettuce, and even to color. The temperature carried determines to a nicety the kind of stock grown. A high temperature produces a soft yellow lettuce, which must be cut while young as it would not stand up to mature into large heads, weighing from one-half to one pound each. As before said, those growers who aim for heavy lettuce carry the lower temperature and their stock makes up for any loss in time, by adding great weight the last few weeks. Such lettuce is made tender by its own heavy growth as it practically bleaches itself. It is plain that Mr. Wolf does not grow this kind, as no one can mature five or six crops of such lettuce in one season. Most growers are well satisfied with three good crops. Markets differ and one must cater to demand. Where lettuce is sold per dozen they generally carry a smaller, softer lettuce than when sold by weight. The amount of water supplied has a great deal to do with color also, as a lettuce grown too dry is of a hard green color, while one properly supplied has the much-liked yellowish tint. Plenty of plant-food, water, air and a low temperature generally suit lettuce.

MARKETMAN.

### Cucumbers and Tomatoes.

Lettuce growers generally follow their lettuce crops with either cucumbers or tomatoes late in the spring, when it gets too warm or too late for another lettuce crop. It is of the greatest importance to properly time the plants of either cucumber or tomato. We never like to plant cucumber plants among lettuce, as the lower lettuce temperature is against the cucumbers; also the excessive moisture of a lettuce bed is not conducive to best results. We prefer to prepare excellent plants in 4-inch pots and remove all lettuce and then plant the cucumbers; by doing this we can run the temperature to suit the cucumbers and give them a brisk start which is everything to them. It requires about five weeks to produce a good cucumber plant.

Tomatoes will do well in a lower temperature; they need much more time than cucumbers and excellent results can be obtained by planting nice seedlings among the last lettuce crop.

## SEEDS FOR THE MARKET GARDENER

are our specialty. Quality, our first consideration. We have a very large and complete stock of all kinds of seeds and everything in the line of fruit trees, berry bushes, etc.

Our new 112-page catalogue contains true description and no overdrawn illustrations. Our prices are right, quality considered. Market Gardeners are requested to write for our Market Garden Wholesale Catalogue, sent free on request.

## GERMAN NURSERIES & SEED HOUSE BOX 245 Established 1886 BEATRICE, NEB.

We prefer to raise good pot plants and clean out the lettuce as for cucumbers; but if a grower is not experienced with pot culture he had better use nice young plants from flats and plant between the lettuce. Generally it takes a tomato plant all the time from January 1 on to get proper size for the spring work.

MARKETMAN.

### Double Cropping

Many forms of double cropping have from time to time been noted where it has been necessary to save space, but we do not remember seeing a better instance than that of growing radishes, young carrots and parsley on the same beds, as is practiced in British market gardens. A short topped, quick-maturing variety of radish is selected and sown in the same drills as the carrots and the former are up and gone before the young carrots have made much growth. The parsley is sown midway between the rows of carrot and radish and is allowed to spread out after the carrots are all drawn. Probably young onions could be substituted for the carrots with equally good results, provided the beds were made sufficiently solid. At all events it would be worth trying where room on early borders and protected beds is scarce.

### The Boston Vegetable Growers.

Some of the largest ranges of glass in this country, devoted to the forcing of vegetables, are located within 50 miles of Boston. Owing to unsatisfactory prices for the past year or two, many of the growers of lettuce are said to be considering a change to cut-flower growing. It seems there has been a quiet revolution going on in the lettuce markets of all the large eastern cities. A few years ago the large hotels and restaurants gave the preference to greenhouse lettuce, but now the call seems to be for the outdoor heading varieties. The result has been to knock the bottom out of the business of growing lettuce under glass. One of the places said to be seriously contemplating the change from vegetables to flowers is the mammoth establishment at Halifax, Mass., owned by Standard Oil interests. The addition of the cut of this range alone to the markets of New England would be perceptible, and if some of the larger growers in Arlington and Belmont would follow suit, as seems probable,—well—there would be little need of additional carnation or violet houses, in this section, for some years to come.

### French Gardening in England.

London.—No system of horticulture has spread more rapidly than what is called the French gardening for forcing the growth of horticultural products. The largest French garden

## MUSHROOMS

### HOW TO GROW THEM

BY WM. FALCONER.

The Best American Book on the Subject.

170 Pages.

29 Illustrations.

—Price \$1.00.—

AMERICAN FLORIST CO.  
324 Dearborn St., CHICAGO.

## VEGETABLE PLANTS.

Cabbage, Wakefield and Succession, \$1.00 per 1000; \$3.50 per 10,000.  
Parsley, 25c per 100; \$1.25 per 1000.  
Lettuce, Big Boston, Boston Market, Grand Rapids, \$1.00 per 1000.

—Cash with order.—

R. VINCENT, Jr. & SONS CO., White Marsh, Md.



Watch for our Trade Mark stamped on every brick of Lambert's

### Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

## Wanted

Contracts to grow all kinds of Vegetable Plants, transplanted or not. Also Geraniums, Coleus, Cannas, Salvias, Verbenas, Pansies, etc., for spring delivery. All stock only. Correspondence solicited.

Alonzo J. Bryan, Wholesale Florist,  
Washington, New Jersey.  
Mention the American Florist when writing

in the world has just been established within 20 miles of London. It includes eight acres, five of which are under glass. It is calculated that \$10,000 worth or more of produce can be grown in the year, the figures being founded on actual results of a large English garden organized by the same gardener.—Philadelphia Ledger.

### Prices of Indoor Fruits and Vegetables.

Chicago, January 26.—Mushrooms, 25 cents to 75 cents per pound; cucumbers, \$1.25 to \$1.50 per dozen; lettuce, 40 cents per box; tomatoes, 25 cents per pound; radishes, 60 cents per dozen; asparagus, 25 cents to 50 cents per bunch; grapes, Gros Colman, 75 cents per pound.

New York, January 22.—Mushrooms, 40 cents per pound; cucumbers, 75 cents to \$1 per dozen; tomatoes, 20 cents per pound; radishes, 3 cents per bunch; asparagus, \$6 per dozen bunches; rhubarb, 75 cents per dozen bunches; grapes, Gros Colman, 55 cents per pound.

NEW YORK.—Mrs. Annie Friedman, of 150 Clinton street, a retailer in a small way in a basement store, has been informed of the death of an aunt in Hungary under whose will she expects to benefit considerably. She says her aunt's estate is estimated at \$200,000, and after making a living by hard struggling for 12 years, Mrs. Friedman thinks she sees a way out.



## A GREAT CUCUMBER.

Theodore Roosevelt is being paid \$1.00 a word for his remarkable articles on hunting in Africa. We are sure, had he run across a vine of Salzer's Green Cross Cucumber in that far away clime, he could easily have used 10,000 words, or \$10,000 worth of description in extolling and setting forth the many merits of this wonderful cucumber, and then some more! Look at the illustration. We had, in a small field with ordinary cultivation, hundreds and hundreds of cucumbers larger than here illustrated, attaining this enormous size within 20 to 25 days after setting! It is the most remarkable Cucumber and surely the most beautiful cucumber mortal eye has ever seen. It's infinitely ahead in beauty and appearance and quality of any hot house cucumber—each one a picture!

### PRICE of GREEN CROSS CUCUMBER

|                      |        |
|----------------------|--------|
| Pkg. 25 kernels, -   | \$0.20 |
| Pkg. 100 kernels, -  | .60    |
| Pkg. 200 kernels, -  | 1.00   |
| Pkg. 500 kernels, -  | 2.00   |
| Pkg. 1000 kernels, - | 3.50   |

# GREEN

# CROSS

Mention this  
paper when  
you write.



### FREE

We want every market gardener who receives our catalogue, to give this cucumber a trial, so if he will send us 6c to pay for the postage and packing, we will gladly mail him a package, free of all cost, and if he doesn't say it is the finest, most wonderful, rarest cucumber he has ever seen, then he has seen greater things than we, that's all!

### ABSOLUTELY FREE.

Send us 6c for packing and postage and we will mail you a package free or, if you request a package when you order your seeds, we will gladly add a package to your order free of all cost.

SEND FOR MARKET GARDENERS' CATALOG TO-DAY

## JOHN A. SALZER SEED CO. LA CROSSE WIS



## The Nursery Trade

### American Association of Nurserymen.

F. H. Stannard, Ottawa, Kans., President;  
W. P. Stark, Louisiana, Mo., Vice-President;  
John Hall, Rochester, N. Y., Sec'y.  
Thirty-fifth annual convention to be held  
at Denver, Colo., June 8-10, 1910.

**WILD ROSE, WIS.**—Henry Tolleth is now agent here for the Allen Nursery Co., Rochester, N. Y.

**NEW YORK.**—The American Nursery Co. is now located in commodious quarters in the Singer building, suite 530, 149 Broadway.

**SPRINGFIELD, ILL.**—It is reported that Thos. Cale has been arrested for violation of the law prohibiting the sale of diseased stock.

**MARSHALL, MO.**—The National Nursery Co., Lawrence, Kans., has established an agency here with an office in the Southern hotel. L. Preston is in charge.

**FORT WORTH, TEX.**—Tree planting is getting considerable attention here, and C. E. Papworth recommends the sycamore and the water elm as the best trees for street planting.

The Tennessee State Nurserymen's Association meets at the Tulane hotel, Nashville, this week, January 26-27 being the dates. The State Horticultural Society meets the first day.

J. S. BUTTERFIELD, secretary of the American Association of Railroad Gardeners, writes: "Our association is growing, new members coming in as fast as we can locate and get in touch with them."

**WILKESBARRE, PA.**—Warren H. Manning, of Boston, has been in the city looking over the old court yard, in his capacity as landscape adviser to the park commissioners, with a view of deciding on the necessary work to beautify it.

### Duty on Evergreen Seedlings.

The decision of the United States appraisers department at a meeting of all appraisers, held in New York last November, was that all Evergreen seedlings should be assessed at 25 per cent ad valorem; the wording of the new tariff being called ambiguous in regard to the duty. All custom houses were instructed to act accordingly.

### The American Civic Association.

The American Civic Association will, in future, have its headquarters at Rooms 913-914 Union Trust building, Washington, D. C. In an open letter to the members, President Horace McFarland and Secretary Watrous say that the national capital is easy of access and visited by more members of the association annually than any other city. The association will give more especial attention than heretofore to comprehensive city planning and during the year aims to forward a movement for civic education to make national a campaign against the house fly and to urge a safe and sane Fourth of July. It also plans to issue and distribute a large quantity of authoritative literature in the shape of bulletins, reports, clipping sheets and propaganda leaflets.

### The Ohio Nurserymen's Association.

The third annual meeting of the Ohio Nurserymen's Association was held at Columbus, January 11, and was a very successful one. A substantial increase in the number of members is reported and the old officers and executive committee were re-elected. These are:

J. W. McNary, Dayton, president.  
W. P. Cole, Painesville, secretary.  
W. N. Scarff, New Carlisle, treasurer.  
Executive Committee. — Robt. George, Painesville; S. R. Fergus, Tippecanoe City; W. N. Scarff, New Carlisle; F. D. Green, Perry; W. Gaines, Xenia.

After the reports of the secretary and treasurer and the president's address were given, a report on stock and business conditions was read, followed by a number of interesting and instructive papers. At the evening session, after dinner, a smoker was given and J. H. Dayton spoke on "The Great Northwest," especially as to its influence, present and prospective, upon the nursery trade in the east.

### Business Methods in Tree-Growing.

#### SYSTEMATIC HANDLING OF DETAIL.

Down on the peninsula of Maryland, in a section of country so fertile and with so favorable a climate that it has been called America's Eden, is one of the largest nurseries in the world—the great tree-growing establishment of J. G. Harrison & Sons at Berlin. This concern, founded nearly a quarter-century ago, has built up its business until it now occupies more than 2,000 acres of ground—all in the immediate vicinity of Berlin and all under the efficient management of Orlando Harrison. Next to its great size, probably the feature that most impresses the visitor is the systematic methods which prevail throughout. It requires a lot of men and teams to handle the work on 2,000 acres of land, but as one looks over this great plant, it is evident that here is a place where there is little waste, either of time or energy.

To supply the tremendous annual demand for stock, Harrison's Nursery often devote as much space to growing one kind of tree or plant as many growers have in their entire nursery tract. A great many acres, for example, are devoted to California privet, which is one of the many specialties propagated at these nurseries; the stock being offered this spring numbers nearly 300,000 plants, from four feet down. Strawberry plants form another prominent feature; millions of these are sold annually. Great pains are also taken in the growing of all kinds of deciduous trees, fruit trees, hardy perennials, roses, etc.

This firm advertises widely and issues attractive literature describing its product; but, believing that nothing can equal a personal inspection of its grounds, extends to all its friends a standing invitation to visit Berlin and the nurseries whenever possible. That this most interesting and instructive trip is well worth while is conceded by all who have been there. The courtesy accorded all visitors by the Harrison management is proverbial and does much toward making the event one long to be remembered.

The Pennsylvania railroad operates two lines through Berlin—one directly to Philadelphia, the other touching Chesapeake bay, where excellent steamer service makes quick connection with Baltimore and the west. When possible, the officials of Harrison's Nurseries request that notice be given in advance of the coming of visitors, in order that arrangements may be made for escorting them about the plant.

### Scraping Bark From Fruit Trees.

As to the advisability of scraping rough, or shaggy bark from apple trees, a Blair county citizen wrote to the state zoologist of Pennsylvania, Harrisburg, for information. The reply of Professor Surface was as follows:

"This depends upon the conditions in general. I would advise such treatment, especially for the rough, scaly bark of old trees; but if it be bark that has been roughened by the injurious action of oil sprays, or by burning with fire or by some other injury, I am satisfied it would be wrong because this is, to the tender bark beneath, just what a scab on an animal is to a sore which it is protecting. Therefore, if the bark beneath be tender, so that it would be injured by being scraped, it is best not to do it. In the case of an ordinary healthy tree it is certainly best, but at injured places, such as above mentioned, it is advisable to scrape gently, if at all. On an old tree one cannot apply enough pressure with a short-handled hoe or bark scraper to do any injury, and this will remove many insect pests, such as codling moth, wooly aphids and certain hibernating creatures, and expose scale insects and other pests to the action of the weather and of the insecticides to be applied before the leaves appear."

**GREEN BAY, WIS.**—The Brown County Horticultural Society has been discontinued.

## For Immediate Delivery ROSES

Dormant, field grown, own roots  
Sweetheart, Tausendschon, T. Blumschen, Barbier, 20c each.

La Fiamma, Trier, Dorothy Perkins, Lady Gay, Debutante, Hiawatha, 12c each.

### Clematis Paniculata

Field Grown

1-year 6 cents. 2-year 10 cents

### Dutch Hyacinths.

Named varieties, single and double, 45 kinds, First size bulbs, \$6.00 per 100; extra large exhibition size, \$10.00 per 100.

### Chinese Sacred Lilies

\$3.00 per 100; \$25.00 per 1000.

Hydrangea Paniculata Grandiflora, 18 to 24 ins.....6c. 2 to 3 feet.....9c

### Viburnum Plicatum.

2 to 3 feet.....12c. 3 to 3½ feet.....15c

Write for our special prices on Hardy Shrubs.

THE DINGEE & CONARD CO.,  
West Grove, Penna.





These illustrations show how we grow California Privet here at Harrison's Nurseries—and the way our Privet looks when planted as hedges along driveways, walks, etc.

We have the right soil and climate here for growing California Privet, and take unusually good care of our plants. We cultivate the blocks each week, and during the dormant period last year we cropped the smaller sizes—one- and two-year—back to the ground. These plants developed a wonderfully bushy growth in 1909 and are now in prime shape.

The upper view represents a block from which tens of thousands of plants will be dug this spring. This is the kind of Privet you'll be proud to furnish your customers—fine, vigorous, well-rooted and branched plants, every one. In fact, Harrison's California Privet is so strong and thrifty as to be almost a distinct and separate variety in itself.

## California Privet Plants for Hedges By the Rod or by the Mile

Whether you want enough Privet to plant a rod or a mile, we want to supply you; write us NOW for particulars and prices. Owing to the mild climate of our locality we dig our Privet only as ordered; this does away with the necessity of digging and storing through the winter. When shipments are to be made, the roots are carefully protected and wrapped, and in this condition, Harrison's Privet can be shipped to any distance without drying out.

Try us on an order for California Privet; we have nearly 300,000 plants in sizes varying from 4-5 feet, down to 12-18 inches. We offer in addition very attractive stocks of Barberry, Arborvitae, Colorado and Koster's Blue Spruce, Norway Spruce, etc., also Fruit and Shade Trees of all kinds. Particulars on request. Address Box A.

**Harrison's Nurseries, J. G. Harrison & Sons, Props., Berlin, Md.**





**Jacs Smits, Ltd.,** NAARDEN, (Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Price List Free on Demand.

**Phoenix Nursery Company**

**Nurserymen and Florists**  
BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for spring issued Feb. 1st

**New Berries**

Send for our up-to-date tested  
Berry Plant Catalogue.

Berrydale Experiment Gardens, Holland, Mich.

**Eugene Pitou, Jr.** CIVIL ENGINEER and Landscape Architect.

Phone Barclay 6084—229 Broadway, New York  
Designs, Estimates, Construction of Grounds.

Baltimore.

BUSINESS FAIR.

Trade is fairly active, though the weather conditions have not been entirely propitious, snows and heavy rains, thaws and great freshets, marking the progress of the week. There have been a number of social events, involving considerable outlay of flowers and decorations and some funerals which made heavy drafts for fine material. Supplies in the cut flower line are quite abundant for the demand, No. 1 roses being, perhaps, somewhat deficient; white carnations are in excess. Violets are getting more plentiful and are about taken up by the daily calls.

NOTES.

At the Gardeners' Club meeting January 24, several ladies of the Equal Suffrage league presented their argument in favor of votes for women and were given a respectful hearing. Whether they made any converts remains to be seen. R. Vincent, Jr., spoke urging the closer identification and more efficient help of the club to the Maryland Horticultural Society which will hold a summer outing this year at Ocean City.

M. Thau. Govans, has a carnation from which he expects great results, its good qualities being numerous. It is a crimson, somewhat of the type of Harlowarden, with a more brilliant hue, good size and good stem, and very floriferous. It has been shown here and in Philadelphia and attracted attention.

Last week died William G. Atkinson, a prominent shipping merchant of this city, not in any way related to the florists' trade, but widely known for his attention to floriculture and the extent of his amateur operations. One of his specialties was the cultivation of the gladiolus, and one of the daily papers reports that last season on his place he planted 400,000 bulbs of this beautiful and showy plant.

James Hamilton, of Mt. Washington, who has gone quite largely into growing lily of the valley, is beginning to make shipments of his products, the quality being very acceptable to the purchasing contingent.

S. B.

## New Seedling Rose

# RADIANCE

A seedling from Cardinal, a brilliant rosy carmine with opaline tints in the open flower. The form is fine, large, with cupped petals, bud long, brilliant, radiant with extra long stems, a constant bloomer, fragrant, foliage abundant and of splendid substance.

2½-in. pots, \$18.00 per 100, ready for delivery in April and May. Cash or satisfactory reference.

**JOHN COOK,**

318 N. Charles St., BALTIMORE, MD.

Mention the American Florist when writing

**BOBBINK & ATKINS**

Nurserymen and Florists, RUTHERFORD, N. J.

**Choice Evergreens and Conifers,  
Shade and Ornamental Trees,  
Herbaceous Plants.**

Large collection of **DECORATIVE PLANTS**, such as

**Palms, Ferns, Bay Trees, Etc.**

ASK FOR WHOLESALE CATALOG

Mention the American Florist when writing

**STOCK FOR FLORISTS**

**ROSES for Forcing**—Hybrid Perpetuals and Ramblers, all the best ones: fine, strong stuff.  
Clematis, Ampelopsis, Tree Hydrangeas and Lilacs,  
Shrubs, Vines and Perennials. Write for prices.

**JACKSON & PERKINS CO.,** Newark (near Rochester), New York  
Nurserymen and Florists. Wholesale only. Use printed stationery.

**JOHN T. WITHERS, Inc.**

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

**Tree Renovation by Expert Operators.** Stereopticon lectures on Horticulture and Arboriculture.

Mention the American Florist when writing

**LARGE TREES**

OAKS and MAPLES  
Pines and Hemlocks

**ANDORRA NURSERIES,**

Wm. Warner Harper, Prop.  
Chestnut Hill, PHILA., PA.

**Arbor Vitæ**

(Thuya Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees,  
Write for descriptions and prices.

**The Wm. H. Moon Co.,**  
MORRISVILLE, A.

Mention the American Florist when writing

**DAHLIAS**

Jack Rose and other best Cut Flower varieties. Write for list and prices.

**PEACOCK DAHLIA FARMS**

Williamstown Junction, N. J.



# Vaughan's New Crop Flower Seeds For Present Sowing

**10 per cent Special CASH DISCOUNT.** On orders over \$2.00 for Flower Seeds if the cash is enclosed, 10 per cent. This discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent.



|                                                                                                                                                                                                                                                                                                                | Trade pkt.     | oz.      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------|
| Feverfew, Matricaria Capensis plenissima.....                                                                                                                                                                                                                                                                  | \$0.10         | \$0.25   |
| Forget-me-not, Vaughan's early and late flowering.....                                                                                                                                                                                                                                                         |                |          |
| Fuchsia, double and single varieties, mixed.....                                                                                                                                                                                                                                                               | ¼-oz., 25c     | .10 .80  |
| 250 seeds, 25c; 1,000 seeds, \$2.00                                                                                                                                                                                                                                                                            |                |          |
| Geranium, Apple-scented.....                                                                                                                                                                                                                                                                                   |                |          |
| 200 seeds, 25c; 1,000 seeds, \$1.00                                                                                                                                                                                                                                                                            |                |          |
| Grevillea Robusta silk oak.....                                                                                                                                                                                                                                                                                | .10            | .50      |
| Linnaria Cymballaria (Kenilworth Ivy).....                                                                                                                                                                                                                                                                     | ¼-oz., 40c     | .15 1.20 |
| Lantana Hybrids, mixed.....                                                                                                                                                                                                                                                                                    | .05            | .15      |
| Lemon Verbena.....                                                                                                                                                                                                                                                                                             | .20            |          |
| Lobelia Crystal Palace Compacta.....                                                                                                                                                                                                                                                                           | .10            | 1.00     |
| Speciosa for hanging baskets.....                                                                                                                                                                                                                                                                              | ¼ oz., 15c     | .10 .50  |
| Emperor William, dwarf.....                                                                                                                                                                                                                                                                                    | ¾ oz., 25c     | 1.00     |
| B bedding Queen, best dwarf.....                                                                                                                                                                                                                                                                               | ½ oz., 25c     | .15 1.50 |
| Maurandya, mixed.....                                                                                                                                                                                                                                                                                          | ½ oz., 25c     | .10 1.00 |
| Mimulus (Musk Plant).....                                                                                                                                                                                                                                                                                      | ½ oz., 30c     | .10 1.00 |
| Pansies, Vaughan's International Mixture, per oz.,<br>\$10.00; ¼ oz., \$5.00; ½ oz., \$1.50; trade pkt., 50c.<br>Vaughan's "Giant Pansy Mixture," ¼ lb., \$14.00;<br>oz., \$4.00; ½ oz., 60c; trade pkt., 25c.<br>Vaughan's Cut Flower Mixture, oz., \$8.00; ¼ oz.,<br>\$2.00; ½ oz., \$1.00; trade pkt., 50c. |                |          |
| Petunia, Giants of California, mixed.....                                                                                                                                                                                                                                                                      |                | .25      |
| "Vaughan's Best" mixture of large flowering<br>Petunias, Trade pkt. (1,000 seeds), 50c.<br>Vaughan's large flowering Double Petunias, trade<br>pkt. (1,000 seeds), \$1.20.                                                                                                                                     |                |          |
| Primula Kewensis, Bright yellow.....                                                                                                                                                                                                                                                                           | 500 seeds, 50c |          |
| Primula Obconica Grandiflora, mixed.....                                                                                                                                                                                                                                                                       | 500 seeds, 25c |          |
| Large flowering, pink.....                                                                                                                                                                                                                                                                                     | 500 seeds, 25c |          |
| Large flowering, pure white.....                                                                                                                                                                                                                                                                               | 500 seeds, 25c |          |
| Gigantea Rosea.....                                                                                                                                                                                                                                                                                            | 500 seeds, 50c |          |
| Gigantea Kermesina.....                                                                                                                                                                                                                                                                                        | 500 seeds, 50c |          |

|                                                                                                                  |                                  |             | Trade pkt. | oz.    |
|------------------------------------------------------------------------------------------------------------------|----------------------------------|-------------|------------|--------|
| <b>Ageratum</b> , Imperial dwarf blue.....                                                                       |                                  |             | \$0.11     | \$0.25 |
| Imperial dwarf white.....                                                                                        |                                  |             | .10        | .25    |
| Blue Perfection, dwarf new.....                                                                                  |                                  |             | .10        | .40    |
| Princess Victoria Louise, beautiful blue and white flowers, plants compact and free blooming.....                |                                  |             | .10        | .40    |
| Little Blue star, new, best dwarf.....                                                                           |                                  |             | .25        | .40    |
| <b>Alyssum</b> , Sweet.....                                                                                      | lb.                              | \$1.25      | .05        | .15    |
| Little Gem, extra fine strain.....                                                                               |                                  |             | .10        | .30    |
| <b>Balsam</b> , Alba Perfecta. Largest and best double white. ¼ oz., 25c.....                                    |                                  |             | .20        | 1.00   |
| <b>Begonia</b> , Single Tuberous-rooted giant mixed.....                                                         |                                  |             | .50        |        |
| Double tuberous-rooted, giant flowered, mixed.....                                                               |                                  |             | .50        |        |
| Vernon.....                                                                                                      | ½ oz.                            | 30c         | .10        | 2.00   |
| Luminosa Gracilis, new, better than Vernon.....                                                                  |                                  |             | .25        |        |
| Berna. The foliage of this fine bedding Begonia is very dark, flowers are rather large, bright, carmine red..... |                                  |             | .25        |        |
| Erford. A splendid bedding. Blooms all summer.....                                                               |                                  |             | .25        |        |
| <b>Bellis</b> or <b>Double Daisy</b> , Vaughan's mammoth mixture.....                                            | 1-16 oz.                         | 35c         | .25        |        |
| Vaughan's Mammoth White.....                                                                                     | 1-16 oz.                         | 35c         | .25        |        |
| Longfellow dark pink.....                                                                                        | ¼ oz.                            | 30c         | .15        | 2.50   |
| Monstrosa, double white, double pink, new.....                                                                   | each 25c                         |             |            |        |
| <b>Browallia</b> , Speciosa Major.....                                                                           |                                  |             | .25        |        |
| Candytuft, Giant Hyacinth flowered white.....                                                                    | ½ oz.                            | 15c         | .05        | .20    |
| Canna, Vaughan's Special Mixture.....                                                                            | lb.                              | \$2.00      | .10        | .20    |
| Celosia, Coxcomb, President Thiers.....                                                                          |                                  |             | .15        | 1.00   |
| <b>Centaurea</b> , Candidissima (Dusty Miller).....                                                              |                                  |             | .25        | .75    |
| Gymnocarpa.....                                                                                                  | lb.                              | \$2.75      | .05        | .30    |
| Cobaea Scandens, blue.....                                                                                       | lb.                              | \$3.50      | .10        | .30    |
| Clematis <b>Paniculata</b> , White, sweet scented.....                                                           | lb.                              | \$5.00      | .15        | .50    |
| <b>Coleus</b> , Mammoth rainbow.....                                                                             |                                  |             | .25        |        |
| Large-leaved, mixed.....                                                                                         |                                  |             | .25        |        |
| <b>Cyperus Alternifolius</b> , Umbrella plant.....                                                               |                                  |             | .15        | 1.00   |
| <b>Dracaena Indivisa</b> .....                                                                                   |                                  |             | .10        | .30    |
| Indivisa Lineata.....                                                                                            |                                  |             | .10        | .40    |
| Indivisa Latifolia.....                                                                                          |                                  |             | .10        | .40    |
| Australis.....                                                                                                   |                                  |             | .10        | .60    |
| <b>Daisy</b> , Burbank's Shasta, new Double Fringed.....                                                         |                                  |             | .50        |        |
| <b>Echeveria</b> (Hen and chicken), mixed, 100 seeds, 20c; 1000 seeds, \$1.00.....                               |                                  |             |            |        |
| Metallica.....                                                                                                   | 100 seeds 35c; 1000 seeds \$3.50 |             |            |        |
| Secunda glauca.....                                                                                              | 100 seeds 15c; 1000 seeds \$1.00 |             |            |        |
| <b>Pyrethrum aureum</b> , Golden Feather.....                                                                    |                                  |             | .10        | .25    |
| <b>Salvia Splendens</b> , Clara Bedman (Bonfire).....                                                            |                                  |             | .25        | 2.50   |
| "Zurich, new, very dwarf and early.....                                                                          | ¼ oz.                            | \$1.00      | .25        |        |
| Stocks, large flowering, extra choice, mixed.....                                                                |                                  |             | .25        | 1.60   |
| Pure White, Brilliant Rose, Bright Crimson, Blood-Red, Light Blue, Canary Yellow, Dark Blue.....                 |                                  |             |            |        |
| Each.....                                                                                                        | ½ oz.                            | 35c         | .25        | 2.00   |
| <b>White Perfection</b> or Princess Alice, Blood-Red, Brilliant Lilac, Pink. Each.....                           | ½ oz.                            | 40c         | .25        | 2.50   |
| Mixed, the above colors and others.....                                                                          | ½ oz.                            | 35c         | .20        | 2.00   |
| <b>Stock</b> , Prince Bismarck White. A new stock of robust pyramidal growth.....                                | ½ oz.                            | 75c         | .25        |        |
| <b>Prince Bismarck Goldball</b> , canary yellow.....                                                             |                                  |             | .25        |        |
| " " <b>Lavender</b> .....                                                                                        |                                  |             | .25        |        |
| <b>Beauty of Nice</b> , flesh pink.....                                                                          | ¼ oz.                            | 50c         | .15        | 2.00   |
| " " White.....                                                                                                   | ¼ oz.                            | 35c         | .10        | 1.20   |
| " " Crimson.....                                                                                                 | ¼ oz.                            | 50c         | .25        |        |
| " " Almond-Flowered, new.....                                                                                    | ¼ oz.                            | 50c         | .25        |        |
| " " Queen Alexander, rosy lilac, fine color.....                                                                 | ¼ oz.                            | 40c         | .25        | 1.50   |
| " " Abundance, a beautiful carmine rose.....                                                                     |                                  |             | .25        |        |
| <b>Smilax</b> , new crop.....                                                                                    | lb.                              | \$3.50      | .10        | .25    |
| <b>Thunbergia</b> , mixed.....                                                                                   |                                  |             | .10        | .40    |
| <b>Torenia</b> , Fournieri Grandiflora.....                                                                      | ½ oz.                            | 30c         | .10        |        |
| White Wings, white.....                                                                                          | ½ oz.                            | 30c         | .10        |        |
| Bailloni.....                                                                                                    | 1-16 oz.                         | 50c         | .25        |        |
|                                                                                                                  | Trade pkt.                       | ¼ oz.       | Oz.        |        |
| <b>Verbena</b> , Vaughan's Best Mixture.....                                                                     | \$0.25                           | \$0.50      | \$2.00     |        |
| Mammoth, mixed.....                                                                                              | .10                              | .25         | .80        |        |
| " White.....                                                                                                     | .15                              | .25         | 1.00       |        |
| " Purple.....                                                                                                    | .25                              | .50         | 2.00       |        |
| Firefly, scarlet, white eye.....                                                                                 | .15                              | .40         | 1.20       |        |
| Defiance, brightest scarlet.....                                                                                 | .10                              |             | .60        |        |
| Dark blue with a white eye.....                                                                                  | .10                              | .20         | .70        |        |
| <b>Vinca Rosea</b> , Rosea fl. albo and pure white, each.....                                                    | .10                              |             | .60        |        |
| <b>Mignonette</b> , True Machet.....                                                                             | 2 ozs., 25c;                     | 2 ozs., 75c | .10        | .50    |
| New York Market. Packet about 1000 seeds, 50c.....                                                               |                                  |             |            |        |
| ½ oz., \$1.00; oz., \$7.00.                                                                                      |                                  |             |            |        |

New preliminary flower seed list ready. Please write for same if you have not received one.

**VAUGHAN'S SEED STORE,**  
**25 Barclay St., NEW YORK.**      84 and 86 Randolph St.  
 803 W. Randolph St. **CHICAGO.**

European Horticulture.

FROM THE BRITISH TRADE PAPERS.

*Columnnea Magnifica*.—This should prove a useful and popular plant, especially with amateurs who possess a cool greenhouse. It is a gesneraceous plant, rather over a foot high, and the growths produce an abundance of axillary, tubular flowers of deep and brilliant orange color. The mouth of each flower is very interesting, as several of the lobes combine to form a sort of hood, while three other lobes form a lip, the central one being

more defined than the others. It is a very showy species, and deserving of extended cultivation.

**Megaclinium Purpureorachis.**--An extraordinary orchid found by Louis Gentil on the upper Lomani, a tributary of the River Congo, in 1903. It was not known as a flowering plant until 1908, when a specimen bloomed at Glasnevin. Subsequently it was flowered at Burford Lodge, and exhibited by Sir Trevor Lawrence, at a meeting of the Royal Horticultural Society held in April, 1909. The small

velvety brown flowers are not especially attractive, but the rachis on which they appear is broad, undulate, flattened, and spirally twisted, dull yellow, freely marked with purple.

*Euphorbia Ledeni*. — A freely-branched succulent plant from South Africa. It was first given specific rank in 1907, but appears to have been in cultivation since 1866, and has been at Kew since 1868. It has stout, grooved stems and branches, stout spikes in pairs, and little clusters of small yellow flowers.



# Carnation Dorothy Gordon

You are looking for the variety that will show the most profit plus the greatest satisfaction to your customers.

Very well, this Carnation will do both. Dorothy Gordon is vigorous and disease-free, with flowers of uniform color—a shade darker than Pink Enchantress.

It produces at least a third more carnations than does Enchantress, and much larger—average flowers of Dorothy Gordon measure 3 inches or more in diameter. It has a stiff stem, and is a long keeper.

It has regularly brought us double the profits of the leading commercial sorts—Enchantress for instance. Let us illustrate:

"Enchantress," sells at wholesale in the Philadelphia markets at \$6 per 100; "Dorothy Gordon" has REGULARLY brought us \$9 per

100. In addition, "Dorothy Gordon" produces easily one-third more flowers, or an additional \$3—giving a return of \$12 from the same greenhouse space that would be required to grow \$8 worth of "Enchantress."

We are selling strong rooted cuttings at \$10 per 100, or \$75 per 1000.

We are ready to demonstrate to you that you can grow Dorothy Gordon with greater profits than any other commercial carnation. We invite you to come to Wyncote and see it growing in our houses; if you cannot do this, write for full particulars—we'll furnish some carnation facts that will interest you.

**Joseph Heacock Co., Disseminators, Wyncote, Pa.**

## Our Blooming Stock for Easter

Will consist of Azaleas, Lilies, Hydrangeas, White and Crimson Ramblers, Souperets, Hermosa, Cyclamens, Primroses, Cinerarias.

### Bulb Stock.

We will have Paper Whites, Double von Sion, Single Ajax Hyacinths in all colors.

We have the following soft wooded plants: Ageratum, Alternantheras, Alyssum, Astors, Candytuft, Cannas, Cinerarias, Carnations, Coleus, Chrysanthemums, Centaurea, Cuphea, Daisies, Feverfew, Fuchsias, Geraniums, German Ivy, Impatiens Sultan, Lobelia, Lantanas, Lemon Verbena, Mignonette, Moonvines, Pansies, Pelargoniums, Petunias, Pileas, Phlox, Salvia, Smilax, Santolinas, Stocks, Verbenas, Vincas.

We are crowded for room and can give you extra good bargains for cash.

Plants for Easter bloom can be shipped any time.

**GEO. A. KUHL, Pekin, Ill.**

### Cincinnati.

#### A. GOOD DEMAND.

There has been quite an improvement in the demand for flowers the past week, all special stock being ordered in advance or sold on sight. About the only scarcity existing was in roses and white carnations, otherwise the market was nearer the normal state in point of arrivals and sales than it has been for some time. At this writing, January 24, the market opened up with a good demand and excellent supply. Everything in the cut-flower line is moving nicely at living prices and we are hoping the same conditions will prevail the balance of the week.

#### NOTES.

About 25 of the boys gathered at Wiebert's bowling alleys last Monday night and maybe they did not have a good time. As Frank Dellar remarked: "It is just the thing to get together about every two weeks and forget your troubles." Well, we are going to keep it up and Monday evening, January 31, everybody in the business, whether members of our society or not, will be welcome at Wiebert's bowling alleys to spend an evening with the best fellows in the business.

Wm. Murphy, Ray Murphy, Richard Witterstaetter, C. E. Critchell and Herbert Greensmith will comprise the party from this city that will leave for the meeting of the American Carnation Society at Pittsburg, going by the Pennsylvania road Tuesday evening.

Albert McCullough, president of the J. M. McCullough's Sons Co., is spending the week in Washington, D. C., in the interests of the American Seed Trade Association.

Visitors: J. W. Edmundson, of the Braslan Seed Growers' Co., San Jose, Calif.; Peter Weiland, New Castle, Ind.

S.

## White Killarney, My Maryland, Pink Killarney

Rooted cuttings and 2½-in. plants. Booking orders now for future deliveries

The Right Place—The Right Goods—The Right Prices—Come and see them grow.

|                        | R. C.  |         | 2½-inch. |          |
|------------------------|--------|---------|----------|----------|
|                        | 100    | 1000    | 100      | 1000     |
| White Killarney.....   | \$6 50 | \$60 00 | \$ 8 50  | \$ 75 00 |
| .....Grafted,          |        |         | 14 00    | 125 00   |
| Pink Killarney.....    | 4 00   | 35 00   | 6 00     | 55 00    |
| .....Grafted,          |        |         | 12 00    | 120 00   |
| My Maryland.....       | 4 00   | 35 00   | 6 00     | 55 00    |
| .....Grafted,          |        |         | 12 00    | 110 00   |
| Richmond.....          | 3 50   | 30 00   | 5 50     | 50 00    |
| Maids.....             | 3 00   | 25 00   | 5 00     | 45 00    |
| Brides.....            | 3 00   | 25 00   | 5 00     | 45 00    |
| Cardinal.....          | 3 50   | 30 00   | 5 50     | 50 00    |
| American Beauties..... | 4 00   | 35 00   | 7 00     | 65 00    |

3½-in. sizes will be offered, when ready, at 40% increase over 2½-in.

You cannot afford to buy poor stock at 50% less.

**POEHLMANN BROS. CO., Morton Grove, Ill.**

Mention the American Florist when writing

## VAUGHAN'S LIST OF Dormant Stock

| Crimson Ramblers.                                       |        | Per doz. | Per 100  |
|---------------------------------------------------------|--------|----------|----------|
| 2 years old, 2 to 3 feet, well branched, own roots..... |        | \$2.00   | \$15.00  |
| 2 years old, 2 to 3 feet, well branched, budded.....    |        | 2.00     | 15.00    |
| 3 years old, 3 to 5 feet, well branched, budded.....    |        | 3.00     | 18.00    |
| 4-inch pots.....                                        |        |          | 10.00    |
| Tausendschon.                                           |        | Per doz. | Per 100  |
| 2-yr. old, dormant, grafted plants.....                 | \$3.50 | \$25.00  |          |
| Lady Gay.                                               |        |          |          |
| 2-yr. old, dormant stock.....                           | \$3.00 | \$20.00  |          |
| White Baby Rambler.                                     |        |          |          |
| 3-inch.....                                             | \$ .15 |          |          |
| 4-inch.....                                             | .25    | \$2.50   | \$20.00  |
| Azalea Mollis                                           |        | Each     | Doz.     |
| 15 to 20 buds.....                                      | \$0 50 | \$ 5 00  | \$40 00  |
| 40 to 50 buds.....                                      | 1 00   | 10 00    |          |
| Baby Rambler.                                           |        | Per doz. | 100      |
| Dormant, field-grown.                                   |        |          |          |
| 1st size, selected, budded.                             |        | \$2.50   | \$16.00  |
| 3-years.....                                            |        | \$16.00  | \$150.00 |
| 2nd size, selected, grafted,                            |        |          |          |
| 2-years.....                                            |        | 2.00     | 12.00    |
| Pot-grown.                                              |        |          |          |
| 2½-inch.....                                            |        | .75      | 5.00     |
| 3-inch.....                                             |        | 1.25     | 8.00     |
| 4-inch.....                                             |        | 2.00     | 12.00    |
| Deutzia                                                 |        | Each     | Doz.     |
| Lemoinei, 7-in.                                         |        | 25       | 2 50     |
|                                                         |        |          | 20 00    |

Magnolia Soulangeana, 3 to 4-ft., \$1.50 each; \$14.00 doz.

All Plants F. O. B.  
Western Springs, Ill.

**Vaughan's Seed Store,**

84-86 Randolph St., CHICAGO.

25 Barclay St., NEW YORK,

Greenhouses and Nurseries: Western Springs, Ill.



# CANNAS

F. O. B. New York or Chicago.

**For Immediate Delivery.**

We are the largest handlers of Cannas in the world. Our prices upon Cannas will bear comparison with any house in the Canna business. Stock unequalled.

## RED-FLOWERING CANNAS.

|                                  |        |         |
|----------------------------------|--------|---------|
|                                  | 100    | 1000    |
| Louisiana, 7 ft. ....            | \$1.75 | \$15.00 |
| Alice Roosevelt, 4 ft. ....      | 3.00   | 25.00   |
| A. Bouvier, 5 ft. ....           | 1.50   | 14.00   |
| Beaute Poitevine, 3½ ft. ....    | 2.00   | 17.50   |
| Black Prince, 3 to 4 ft. ....    | 2.25   | 20.00   |
| Chas. Henderson, 4 ft. ....      | 1.75   | 15.00   |
| Crimson Berrer, 3 ft. ....       | 2.00   | 17.50   |
| D. of Marlborough, 4½ ft. ....   | 1.75   | 15.00   |
| J. D. Eisele, 5 ft. ....         | 1.75   | 15.00   |
| Exp. Crampbell, 5½ ft. ....      | 1.50   | 14.00   |
| Express, 2 to 2½ ft. ....        | 2.25   | 20.00   |
| Fres. McKinley, 2½ to 3 ft. .... | 1.50   | 14.00   |
| Tarrytown, 3½ ft. ....           | 1.75   | 15.00   |

## RED, GOLD-EDGED AND SPOTTED SHADES.

|                                 |      |       |
|---------------------------------|------|-------|
| Gladiator, 4 ft. ....           | 2.75 | 25.00 |
| Cinnabar, 4½ ft. ....           | 1.75 | 15.00 |
| Indiana, 3 to 4 ft. ....        | 1.75 | 15.00 |
| Queen Charlotte, 3½ ft. ....    | 2.25 | 20.00 |
| Mad. Crozy, 5½ ft. ....         | 2.25 | 20.00 |
| Premier, 2½ ft. ....            | 2.00 | 17.50 |
| S. de A. Crozy, 4 to 5 ft. .... | 2.75 | 25.00 |

## PINK SHADES.

|                          |      |       |
|--------------------------|------|-------|
| L. Patry, 4½ ft. ....    | 1.75 | 15.00 |
| Louise, 5 ft. ....       | 2.00 | 17.50 |
| Mlle. Berat, 4½ ft. .... | 1.75 | 15.00 |
| Tennyson, 5½ ft. ....    | 2.75 | 25.00 |

## YELLOW SHADES.

|                              |        |         |
|------------------------------|--------|---------|
|                              | 100    | 1000    |
| Buttercup, 3½ ft. ....       | \$1.75 | \$15.00 |
| C. de Bouchard, 4½ ft. ....  | 2.00   | 17.50   |
| Florence Vaughan, 5 ft. .... | 2.50   | 20.00   |
| L. E. Bailey, 4½ ft. ....    | 2.75   | 25.00   |
| Richard Wallace, 4½ ft. .... | 2.75   | 25.00   |

## WHITE AND CREAM SHADES.

|                     |      |       |
|---------------------|------|-------|
| Alsace, 3½ ft. .... | 1.75 | 15.00 |
|---------------------|------|-------|

## BRONZE-LEAVED FLOWERING CANNAS.

|                              |      |       |
|------------------------------|------|-------|
| Brandywine, 4 to 5 ft. ....  | 2.00 | 17.50 |
| Black Beauty, 5 ft. ....     | 2.75 | 25.00 |
| David Harum, 3½ ft. ....     | 2.75 | 25.00 |
| Egandale, 4 ft. ....         | 1.50 | 14.00 |
| King Humbert, 4 ft. ....     | 3.25 | 30.00 |
| Leonard Vaughan, 4½ ft. .... | 1.75 | 15.00 |
| Musafolia, 5 ft. ....        | 2.75 | 25.00 |
| Pillar of Fire, 6-7 ft. .... | 2.25 | 20.00 |
| Robusta, 6-8 ft. ....        | 1.75 | 17.50 |
| Shenandoah, 6 ft. ....       | 1.75 | 15.00 |

## ORCHID-FLOWERING CANNAS.

|                             |      |       |
|-----------------------------|------|-------|
| Allemanina, 4 to 5 ft. .... | 1.75 | 16.00 |
| Austria, 5 ft. ....         | 1.25 | 12.00 |
| Italia, 4½ ft. ....         | 1.75 | 15.00 |
| Kronus, 5 ft. ....          | 1.75 | 15.00 |
| Mrs. Kate Gray, 6 ft. ....  | 1.75 | 15.00 |
| Pennsylvania, 5 ft. ....    | 1.75 | 15.00 |
| Wyoming, 7 ft. ....         | 2.75 | 25.00 |

Our Cannas are packed 250 in a box; two can be "cleated" together and shipped as one. One box of 250 sold at thousand rate; it is cheaper for you to buy a box than 200 at 100 rate.

Chicago and Western  
Agents For Our Cannas

**WINTERSON'S SEED STORE,**

45-47-49 Wabash Ave.,

Chicago, Ill.

**Arthur T. Boddington,**  
**SEEDSMAN,**

342 West 14th Street.

NEW YORK.



## Orchids..

We have changed our domicile from Secaucus, N. J., to Mamaroneck, N. Y. We are largest collectors and importers of Orchids and are now booking orders for all the commercial Cattleyas for delivery next spring

GARRILLO & BALDWIN, Mamaroneck, N. Y.

## BAY TREES.

Standards, Pyramids and Columns.

### ORCHIDS

DIRECT FROM THE WOODS Cattleya Trianae, C. Gigas and other commercial varieties.

JULIUS ROEHRS CO., Rutherford, N. J.

## Orchids



Arrived in fine condition: Cattleya Warneri, C. Harrisoniae, C. Gaskelliana and C. Gigas (Hardyana type); also Dendrobium Phalaenopsis Schroederianum and Odontoglossum luteo-purpureum.

Lager & Hurrell, Summit, N. J.

## SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL, New York.

### CANNAS.

We have a surplus of the following varieties, true to name, and offer them at a remarkably low price until sold Alsace, Chas. Henderson, Duke of Marlborough, Capt. Druceon (one of the best yellows), Milc. Berat, Defender, Kate Gray, Pennsylvania, \$1.75 per 100; \$15.00 per 1000 David Harum, Florence Vaughan, \$2.25 per 100; \$20.00 per 1000. Egandale, \$2.50 per 100, King Humbert, \$6.00 per 100. The above varieties mixed, \$8.00 per 1000.

WALTER W. COLES,

Kokomo, Ind.

## Rooted Cuttings...

|                      | Per 100 | 1000   |
|----------------------|---------|--------|
| COLEUS, 10 varieties | \$0.60  | \$5.00 |
| Salvia               | 75      | 6.00   |
| Double Petunias      | 1.00    | 9.00   |
| Heliotrope           | 1.00    | 9.00   |
| Ageratum             | 51      | 4.00   |
| Begonias (Gracilis)  | 1.00    | 9.00   |

Birmingham Landscape & Nursery Co.

P. O. Box 663,

Birmingham, Ala.

## ROBERT CRAIG CO.

### HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

## A Chance to Buy Right.

BOSTON FERNS, In order to make room I offer an extra fine lot of 4 and 5-inch plants at \$12.00 and \$20.00 per 100. GERANIUMS, transplanted in flats, extra strong R. C., S. A. Nutt, \$12.50 per 1000, 3 inch plants, \$4.00 per 100.

F. C. RIEBE,

Webster, Mass.

DAYTON, O.—Fourteen representatives of the house of Warren Matthews were at the annual banquet of the institution January 12 when an extremely enjoyable time was had.

# A CARLOAD OF CANNAS

Just Received

45 Standard Varieties

including the famous KING HUMBERT

Quality! NONE BETTER

BUY NOW and Get on the Inside.

Price List on application.

WINTERSON'S SEED STORE,  
45-47-49 Wabash Ave., Long Distance Phone, Central 6004, CHICAGO

## Palms and Other Seasonable Stock

We have an extra good stock of *Forsteriana*, made up, three plants in a pot or tub all clean perfect plants. (We need to reduce our palm stock, and are giving extra values.)

7-in. pots. 3 plants in pot, 40 to 44 in. high, \$4.00 each.

8-in. pots. 3 plants in pot, 44 to 48 in. high, 5.00 each.

Single plants *Kentia Forsteriana*, 7 in. pots, 6 to 7 leaves, 36 to 40 inches high, \$2.50 each; 8-in. pots, 6 to 7 leaves, 40 to 44 inches high, \$3.50 each.

(Full line of sizes of both *Forsteriana* and *Belmoreana* in price list No 5, just out.

Send for it, if you do not receive it.)

*Genista Racemosa*, 5 in. pot plants bushy, \$3.50 per dozen; \$25.00 per 100.

*Rhododendrons*, 18-in. plants with 8 to 12 buds, \$9.00 per dozen.

*Rhododendrons*, 24-in. plants with 12 to 15 buds, \$12.00 per dozen.

*Azalea Mollis*, 12 to 15-in. high, full of buds, \$30.00 per 100, 15 to 18 in. high, very bushy, full of buds, \$35.00 per 100.

*Bougainvillea Glabra Sanderiana*, 5 in., well shaped, bushy plants, \$3.00 per dozen.

*Asparagus Sprengeri*, 2-in. \$2.50 per 100; \$20.00 per 1000.

*Boxwood*, Fine bushy plants, 12-in. high \$3.00 per doz. \$20.00 per 100.

*Fuchsias*, Assorted in 6 best varieties, \$3.00 per 100; \$25.00 per 1000, Little Beauty, \$4.00 per 100; \$35.00 per 1000.

The Storrs & Harrison Co., Painsville, O.

## Our Catalogue for 1910

Has just been mailed to our patrons.

It is the most complete and comprehensive Catalogue of Chrysanthemums issued.

Mailed free upon request.

ELMER D. SMITH & CO., ADRIAN, MICH.

## Orchids Write for 1910 Catalogue

Commercial varieties in any quantity. Guaranteed direct from collector. Advance orders insure good plants and prompt delivery.

G. L. FREEMAN, 388 Appleton St., Holyoke, Mass.



# CARNATION BAY STATE

~~~~~\$3.00 Per Hundred.~~~~~

HAVING bought a large stock of this new Variegated Carnation last year, we can offer first-class rooted cuttings of this variety at \$3.00 per 100. Also rooted cuttings of **Beacon, Enchantress, Rose Pink Enchantress, Victory, White Enchantress, White Perfection, Winona, Winsor**, at \$3.00 per 100. Unrooted cuttings, \$2.00 per 100. Reduced prices made on large orders. Send orders as early as possible.

FRESH CUT FLOWERS shipped to all parts of New England and Canada. **High Grade Carnation Blooms** our specialty; shipped direct from the grower to the retailer at wholesale price.

SHEPARD'S GARDEN CARNATION CO., 292 Fairmont Street, LOWELL, MASS.

—HEADQUARTERS OF—

Azalea Indica for Easter

All well budded and as round as an apple.

In **Easter Varieties** we have the following in large sizes, well budded: Bernard Andreas Alba, white; Niobe, double white; Helena Thielman, rose; Empress of India, Apollo, red; De Schryveriana, double variegated; Dr. Moore, pink; Mme Van der Cruyssen, pink; Louis Van Houtte large double red; Simon Mardner, Veraneana and Deutsche Perle, white. Price, \$1.25, \$1.50, \$2.00 to \$2.50.

In smaller sizes we have Mme. Van der Cruyssen, Simon Mardner, Apollo, Niobe Empress of India, Deutsche Perle, De Schryveriana Veraneana, etc. Price 50c, 75c \$1.00, \$1.25.

Azaleas in bloom, in the following varieties: Mme Petrick, pink; Simon Mardner, pink; Deutsche Perle, white; Apollo, red; and Veraneana 75c, \$1.00 \$1.25 to \$1.50.

Cinerarias, Aschmann's well known strain, in bud or without 6-in. pots, 25c to 35c.

Kentia Forsteriana, 30-35 40-50 in. high, \$1.50, \$2.00, \$2.50 to \$3.00 each; 4-in., 20c. **Kentia Belmontiana**, 4-in., 25c; 3-in., 10c.

Cocos Weddelliana, 3-in.15c

Latania Borbonica, 4-in.20c

Arecia Lutescens, 5-in. pots, made up35c

Begonia Flambeau, 4-in., 15c.

Ferns, Neph. Todeaoides, 5½-6-7 in., 35c.

40c 50c 75c to \$1.00.

Asparagus Plumosus, 2½-in., 3c; 3-in. (large), 6c; 4-in., 10c. **Sprengeri**, 3-in., 5c; 4 in., 10c.

Pteris Victoria (silver-leaved fern), in 6-in. pans, 3 plants in a pan, very attractive, 30c per pan

Cash with order, please.

Please state if in or out of pots.

All plants must travel at purchaser's risk only

GODFREY ASCHMANN,

Importer and Wholesale Grower of Pot Plants.

1012 West Ontario St., PHILADELPHIA, PA.

Carnations Late Delivery Prices.

Ready to Ship About March 15.

White Perfection, Rose Pink, Afterglow, Enchantress and Victory at \$15.00 per 1000.

White Enchantress at \$17.50 per 1000.

Lawson Enchantress, Winona and Beacon at \$20.00 per 1000.

O. P. Bassett and Alvina at \$35.00 per 1000.

Lawson, Winsor and Harry Fenn at \$10.00 per 1000.

Hundreds supplied at thousand rates.

Albert M. Herr, Lancaster, Pa.

FUCHSIAS

There are none better than **Little Beauty, Lord Byron, Renan and White Beauty**. Strong 2½ inch plants ready \$4.00 per 100 New Heliotrope. Miss Bernice a sport of Mme. Brunt and a great improvement on the latter 2½-inch \$8.00 per 100.

Katalog for the Asking.

SKIDELSKY & IRWIN CO.,

1215 Betz Bldg.,

PHILADELPHIA, PA.

Carnations ROOTED CUTTINGS

| | Per 100 | Per 1000 |
|---|---------|----------|
| Mrs. C. W. Ward | \$12 00 | \$100 00 |
| Alma Ward | 15 00 | 125 00 |
| Mrs. J. C. Vaughan, Bay State, Georgia and O. P. Bassett | 6 00 | 50 00 |
| White Enchantress, Beacon, Robert Craig, Afterglow, Rose Pink Enchantress and Harlowarden | 3 50 | 30 00 |

New Crop Early Flowering Single Chrysanthemum Seed and Gold Medal Pentstemons

at 25c and \$1.00 per package.

CHARLES H. TOTTY, Madison, N. J.

Rooted Carnation Cuttings

For Immediate Delivery.

| | Per 100 | Per 1000 | | Per 100 | Per 1000 |
|-------------------|---------|----------|-----------------------------|---------|----------|
| Enchantress | \$3 00 | \$25 00 | White Enchantress | \$2 50 | \$20 00 |
| Perfection | 3 00 | 25 00 | Rose Pink Enchantress | 2 50 | 20 00 |
| BEACON | 3 00 | 25 00 | Winsor | 2 50 | 20 00 |

We can fill orders from 1000 to 100,000 and guarantee the stock.

We wish to call special attention to our **Beacon** cuttings. Our stock of this splendid red is large and in the finest possible condition.

Thompson Carnation Co., Joliet, Ill.

SHASTA

We are now shipping fine strong cuttings of **Shasta** as fast as they are ready to come out of the cutting bench. We have enough orders booked to take all that will be ready up to Feb. 15. If you want late February delivery you should get your order in at once. Come and see it growing; once you see it, you will want to grow it.

\$12.00 per 100; \$100.00 per 1000.

Send all orders to

BAUR & SMITH, Indianapolis, Ind.

A New Carnation Seedling of wonderful merit

will be offered to the Florists' Trade in February.

1910. Orders booked now. This Carnation

GROWN BY WM. BESTER, of Hagerstown, Md. Color between Rose-Pink and Winsor. Produces

long stems and large blooms from October to June. Free of any disease and no cropper. Calyx perfect.

Blooms keep in good condition ten days. This Carnation grown and tested by Mr. Bester for three years

and all prints guaranteed. The original seedling produced under the most scientific cultural conditions,

and will supersede the Lawson. Price for Strong Cuttings, only \$10.00 per 100; \$90.00 per 1000.

Before buying other varieties Florists should send for samples of this Carnation, as they will compare

favorably on all points with any other Carnation on the market. Blooms mailed free on request. Address

WM. BESTER, Florist, Hagerstown, Md., or C. S. FORD, Traveling Agent, Florists' Supplies, Novelties,

Etc., P. O. Box 4515, West Park, Philadelphia, Pa. Established 1881.

"The Constant"

Send Advs. Early for Best Service.

A FEW GOOD THINGS YOU WANT.

Rex Begonia, 2-in. \$5.00 per 100.
Asparagus Sprengeri, 3-in. \$5.00 per 100
Geraniums, Nutt. Doyle, Perkins, Grant, La Favorite, R. C. \$1.25; 2-in. pots, \$2.00; 3-in. \$4.00 per 100; Viaud, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C. \$1.50; 2-in. pots, \$2.50; 3-in. \$5.00 per 100; Mme. Salleroi. 2-in., \$3.00 per 100
Asparagus Plumosus, 2-in. \$3.00 per 100; 3-in. \$5.00 per 100. Cut fronds 25c per bunch.
Boston Ferns, 5-in. 25c each. **Whitmani Ferns**, 4-in. 25c each.
Cycas Palms, 4 to 5 leaves, \$1.00, \$1.50 and \$2.00.
Vinca Var., 2-in. \$2.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order

GEO. M. EMMANS, Newton, N. J.

A New Fern NEPHROLEPIS GIATRASH

Awarded a Certificate of Merit by the Horticultural Society of New York.

Prices: In 2½-inch pots, \$3.50 per dozen; \$25.00 per 100; \$200.00 per 1000. 25 plants at 100 rates; 500 plants at 1000 rates. Orders delivered in rotation as received. Now Ready for delivery,

GEORGE GIATRASH,
 463 Summit Ave., West Hoboken, N. J.

Rooted Cuttings

Verbenas, choice varieties 70c per 100; \$6.00 per 1000. **Heliotropes**, \$1.00 per 100; \$8.00 per 1000. **Begonias**, \$1.50 per 100. **Daisies**, white and yellow, \$1.00 per 100. **Pelargoniums**, \$2.50 per 100. **Geraniums**, 2-in. pots, \$2.50 per 100. Express paid. Cash with orders.

S. D. BRANT, Clay Center, Kans.

St. Louis.

TRADE HOLDING UP WELL.

The market has held up well all week; roses, being decidedly scarce, have helped carnations. The coming week is expected to be a busy one. Graduating exercises, opera and other social entertainments will give the retailers all they can do. The plant men are getting ready to have everything in shape for an early Easter. Greens are selling well. Mexican ivy is being quite extensively used and makes a beautiful addition to floral work of any kind.

NOTES.

On January 18, the bankrupt stock of the Michel Plant & Bulb Co. was sold at auction. It was bought by H. Bourdett for \$4,500 and to assume \$6,000 due on the mortgage later. This deal did not mature and another sale was held January 24 attended by several florists who bought the stock. The fixtures and greenhouses were not sold, they being as yet held to satisfy a claim.

Henry Lawrence, who was injured during the cyclone, was removed to a sanitarium to enquire into his mental condition. He was manager of the Park Floral Co.

George Hecht is now bringing his flowers to the wholesale house in an automobile, the first grower to come to the wholesale district in a machine.

William C. Smith is busy preparing his essay on "The Troubles of a Wholesaler" which will be the feature of the next club meeting.

J. J. Beneke was the sole florist bowler who competed for prizes at the middle west bowling tournament held in this city this week.

Dormant Cannas

Guaranteed True to Name. With from two to three eyes each.

Bronze Leaved

| | Doz. | 100 | 1000 |
|-------------------|--------|--------|---------|
| David Harum..... | 50c | \$3 00 | \$27 50 |
| Egandale..... | 50c | 3 00 | 27 50 |
| King Humbert..... | \$1 25 | 8 00 | 75 00 |

Orchid Flowers

| | Doz. | 100 | 1000 |
|-------------------|------|--------|---------|
| Allemania..... | 35c | \$2 25 | \$20 00 |
| Austria..... | 50c | 3 00 | 27 50 |
| Burbank..... | 50c | 2 00 | 17 50 |
| Fred Benary..... | 90c | 6 00 | 55 00 |
| Italia..... | 50c | 3 00 | 27 50 |
| Kate Gray..... | 40c | 2 50 | 22 50 |
| Partenope..... | 40c | 2 50 | 22 50 |
| Pennsylvania..... | 40c | 2 50 | 22 50 |

Red Flowers—Green Leaves

| | Doz. | 100 | 1000 |
|----------------------------|------|--------|---------|
| Chas. Henderson..... | 40c | \$2 50 | \$22 50 |
| Chicago..... | 40c | 2 50 | 22 50 |
| Explorateur Crampbell..... | 50c | 3 00 | 27 50 |

Variegated Flowers

| | Doz. | 100 | 1000 |
|-------------------------------|------|--------|---------|
| Elizabeth Hoss..... | 60c | \$4 00 | \$35 00 |
| Florence Vaughan..... | 50c | 3 00 | 27 50 |
| Souvenir D'Antoine Crozy..... | 60c | 4 00 | 35 00 |

Yellow and Cream Flowers

| | Doz. | 100 | 1000 |
|----------------|------|--------|---------|
| Alsace..... | 50c | \$3 00 | \$27 50 |
| Cornet..... | 60c | 4 00 | 37 50 |
| Buttercup..... | 90c | 6 00 | 55 00 |

Pink Flowers

| | Doz. | 100 | 1000 |
|------------------|------|--------|---------|
| L. Patry..... | 35c | \$2 25 | \$20 00 |
| Mlle. Berat..... | 40c | 2 50 | 22 50 |

| | Doz. | 100 | 1000 |
|------------------------|--------|--------|---------|
| Hofgartner Hoppe..... | 90c | \$6 00 | \$50 00 |
| George Birdell..... | \$1 25 | 8 00 | 75 00 |
| George Washington..... | 50c | 3 00 | 27 50 |

Special Cash Discount of 10% on all January or February Orders.

Mosbaek Greenhouse Co., Onarga, Ill.

Miscellaneous Plants.

| | Per 100 |
|--|---------|
| 2½-in. Bostons | \$ 4 50 |
| 4-in. | 15 00 |
| 5-in. | 25 00 |
| 7-in. | 60 00 |
| 2½-in. Whitmani | 5 00 |
| 2-in. Asparagus Plumosus Nanus | 3 00 |
| 4-in. | 12 00 |
| 2-in. Asparagus Sprengeri | 2 50 |
| 3-in. | 6 00 |
| 2-in. Assorted Ferns for Dishes | 3 00 |
| 4-in. Araucaria Excelsa | 50 00 |
| 2-in. Baby Primrose | 2 50 |
| 2-in. Chinese Primrose | 2 50 |
| 3-in. Cyclamen | 7 00 |
| 4-in. | 15 00 |
| 2-in. Moovines , white..... | 3 00 |

Also a full line of bedding stock and the best wire hanging baskets on the market. Write us.

D. U. AUGSPURGER & SONS CO., PEORIA, ILL.

BEDDING PLANTS

| | Per 100 | 1000 |
|---|---------|---------|
| Coleus , Golden Bedder, Firebrand, Anna and John Pfister, and other leading varieties..... | \$2 00 | \$18 00 |
| Salvia | 2 50 | 20 00 |
| Double Petunias (Snowdrift) and Single Petunias , mixed..... | 2 00 | |
| Heliotrope | 2 00 | |

Birmingham Landscape & Nursery Co.

P. O. Box 663. Birmingham, Ala.

Thos. Kirkwood & Son have two houses with carnations and violets; they expect to increase their glass this summer.

Wenzel & Hecht have two houses 27x100 feet to sweet peas, carnations and pot plants. They intend to build three new houses this summer.

James W. North was married to Miss R. Gilliland last week. Mr. North is manager of the retail department at Alex Johnson's.

W. H. Kruse is out with a new wagon in place of the one recently destroyed by fire; it is a beauty.

Visitors: F. Lemke, representing W. W. Barnard & Co., Chicago; F. J. Farney, representing Rice & Co., Philadelphia.

W. F.

Pillsbury's Carnation Staple

Why send out split carnations when you can mend 20 for one cent? **No Tools Required**

"They are the best on the market."
 JOHN SCHWEICHLER, Florist.

"They are superior to anything on the market for the purpose, as we have tried them all."
 BROADWAY FLORAL CO.

2,000 for \$1.00, postpaid.

I. L. PILLSBURY,
 Florist, Galesburg, Ill.

Well Rooted Carnation Cuttings

| | Per 100 | Per 1000 |
|-------------------------------|---------|----------|
| Enchantress..... | \$2 00 | \$18 00 |
| Sarah Hill, white..... | 4 00 | 35 00 |
| Lawson Enchantress, pink..... | 2 50 | 20 00 |
| Lawson, pink..... | 2 00 | 15 00 |
| W. H. Taft, red..... | 4 50 | 40 00 |
| Beacon, red..... | 3 00 | 25 00 |
| Victory, red..... | 2 50 | 20 00 |
| Lawson, variegated..... | 2 50 | 20 00 |

Cash with order or C. O. D.

SCHEIDEN & SCHOOS,
 517 Asbury Ave., Evanston, Ill.

Ferns for Dishes...

Assorted varieties, 2½-in. pots, \$3.50 per 100; \$30.00 per 1000. Cash with order.

FRANK OECHSLIN
 4911 Quincy St. CHICAGO.

Neph. Whitmani

2½-in. \$ 5.00 per 100
MAGNIFICA (new), 2½-in. 25.00 per 100

Boston Ferns 2½-in. \$3.00 per 100.

Henry H. Barrows & Son, Whitman, Mass.

Small Ferns

Assorted varieties for fern dishes, \$3.50 100; \$30.00 per 1000. Cash with order.

ERNEST OECHSLIN,
 188 Madison St., RIVER FOREST, ILL.

1/2 Million Roses

For February delivery in these and
and other sorts.

Summer grown, on own roots.

| | 2 1/2-inch | 4-in. |
|---------------------------------------|------------|---------------|
| Doz. | 100 | 100 |
| Anna de Diesbach | 50c \$3.50 | \$3.00 \$8.00 |
| Anny Muller | 50c 3.00 | 25.00 |
| Ball of Snow (Beule de Neige) | 50c 3.50 | 30.00 8.00 |
| Bridesmaid | 50c 3.00 | 25.00 8.00 |
| Bougere | 50c 3.00 | 25.00 8.00 |
| Catherine Zeimet (White Baby Rambler) | 50c 3.50 | 30.00 10.00 |
| Duchesse de Brabant | 50c 3.00 | 25.00 7.00 |
| Etoile de Lyon | 50c 3.00 | 25.00 8.00 |
| Gruss an Teplitz (Vir. R. Cox) | 50c 3.00 | 27.50 8.00 |
| Helen Gould (Balduin) | 50c 3.00 | 27.50 8.00 |
| Madame Masson | 50c 3.50 | 30.00 7.00 |
| Mlle. Franzisca Kreuger | 50c 3.00 | 25.00 8.00 |
| Magna Charta | 50c 3.50 | 31.00 7.00 |
| Maman Cochet pink | 50c 3.00 | 27.50 8.00 |
| Marchal Niel (4-in. 10c 12c, 15c) | 50c 3.50 | 30.00 15.00 |
| Marie van Houtte | 50c 3.00 | 25.00 7.00 |
| Meteor | 50c 3.00 | 27.50 8.00 |
| Papa Gontier | 50c 3.00 | 27.50 7.00 |
| Phyllis Pink Baby Rambler | 50c 3.50 | 30.00 |
| Queen's Scarlet | 50c 3.00 | 25.00 8.00 |
| Reine Marie Henriette | 50c 3.00 | 25.00 8.00 |
| Rhea Reid | 50c 4.00 | 35.00 10.00 |
| The Bride | 50c 3.00 | 25.00 8.00 |
| Wellsley | 50c 3.50 | 31.00 9.00 |
| White Bouger | 50c 3.00 | 25.00 8.00 |
| White Maman Cochet | 50c 3.00 | 27.50 8.00 |

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THE LEEDLE FLORAL COMPANY
SPRINGFIELD, OHIO.

Geraniums

mixed, \$2.00 per 100. \$5.00 per 300. \$16.50 per 1000

Cinerarias, Primula Obconica, Asparagus Sprengeri, Ivy Geraniums, Double Petunias (Deer's), \$2.00 per 100; \$5.00 per 300.

J. C. SCHMIDT,

Bristol, Pa.

Cleveland.

ROSES SCARCE.

This city was visited by the worst snowstorm in years on Saturday, making deliveries in town very uncertain, both city and suburban car lines being snowbound. There is nothing exceptional doing in the cut-flower line, and it is well, for stock has been very scarce lately, the greatest shortage being in roses for funeral work, and also in the better grades for brides' bouquets. Carnations are about holding their own as far as supply and demand are concerned. Harrisii lilies are in demand, but rather scarce. Callas sell readily, but are only limited in supply. Asparagus plumosus is not overplentiful. Brown and green leucothoe are being used quite freely. Lily of the valley and orchids have had less call the past week; violets also were a little slow. The demand for spring flowers is increasing, but only frezias, daisies, forgetmenots and calendula of limited quantity appear.

NOTES.

Westman & Getz had the floral decorations for the annual supper at the Euclid avenue Baptist church. The pillars and walls were hung with garlands of laurel wreathing, hemlock sprays, white wistaria and pink blossoms; pot plants and palms were also used in the decorative scheme.

Peter Nichols lost a \$215 diamond ring in a very peculiar way last week. He gave it to Rube Marquardt to sell to a lady. The sale was not made, neither was the ring returned. The police are looking for Marquardt in Pittsburgh.

The carnation convention at Pittsburgh was attended by quite a few from this city, a number of them going Wednesday morning. C. B.

Rooted Carnation Cuttings.

New Carnations for 1910.

| | Per 100 | Per 1000 |
|----------------|---------|----------|
| Dorothy Gordon | \$12.00 | \$12.00 |
| Shasta | 12.00 | 12.00 |
| Scarlet Glow | 12.00 | 12.00 |
| Sangamo | 12.00 | 12.00 |

Carnations of 1909.

| | | | |
|------------------|------|--------------------|------|
| O. P. Bassett | 6.00 | Ruby | 6.00 |
| Pink Delight | 6.00 | Mrs. J. C. Vaughan | 6.00 |
| Mrs. Chas. Knopf | 6.00 | Georgia | 6.00 |

Standard Varieties.

| WHITE VARIETIES. | Per 100 | PINK VARIETIES. | Per 100 |
|-------------------|---------|------------------------|---------|
| White Enchantress | \$3.00 | Winsor | \$3.00 |
| Lady Bountiful | 3.00 | Afterglow | 3.00 |
| White Perfection | 3.00 | Splendor | 3.00 |
| Queen Louise | 2.00 | Pink Imperial | 2.50 |
| The Queen | 2.00 | Rose Pink Enchantress | 2.50 |
| My Maryland | 2.00 | Mrs. Thos. W. Lawson | 2.00 |
| Sarah Hill | 3.00 | Nelson Fisher | 2.00 |
| Lloyd | 3.00 | Mabelle | 1.50 |
| | | Variagated Enchantress | 2.50 |

| RED VARIETIES. | Per 100 | YELLOW VARIETIES. | Per 100 |
|----------------|---------|-------------------|---------|
| Robert Craig | \$3.00 | Eldorado | \$2.00 |
| John E. Hauges | 2.00 | Golden Beauty | 2.00 |
| Beacon | 3.50 | | |
| Flamingo | 2.00 | | |
| Victory | 3.00 | | |
| Roosevelt | 2.00 | | |
| Harlowden | 2.00 | | |
| Cardinal | 2.00 | | |

Grafted and Own-Root Roses ready for Early Delivery. Send for Circular.

Choice Varieties of Verbenas.

| | Per 100 | Per 1000 | | Per 100 | Per 1000 |
|---------------------------------------|---------|----------|------------------------------------|---------|----------|
| Rooted Cuttings, our selection | \$.75 | \$ 6.00 | Rooted Cuttings, Purchasers select | \$.90 | \$ 8.00 |
| Plants, 2 1/4-in. pots, our selection | 2.50 | 20.00 | Plants, 2 1/4-in. pots. | 3.00 | 25.00 |

Entirely sold out of Miss Wilmott cuttings and plants.

J. L. DILLON.

Bloomsburg, Pa.

ROOTED CARNATION CUTTINGS

Ready for January delivery, clean, healthy and well rooted.

| | Per 100 | 1000 |
|--|---------|---------|
| "Miami Queen" Our new carnation, Cerise Pink | \$10.00 | \$85.00 |
| Enchantress | 2.00 | 18.00 |
| Rose Pink | 3.50 | 30.00 |
| White | 3.50 | 30.00 |
| White Perfection | 2.50 | 20.00 |
| Beacon | 3.00 | 25.00 |
| Victory | 2.50 | 20.00 |

Cash with order or satisfactory references.

MIAMI FLORAL CO., George Bartholemew, Manager, 24 N. Main St., Dayton, O.

Geraniums

| | 1000 | 100 |
|---|---------|--------|
| S. A. Nutt and 8 other varieties | | |
| 2 1/2-in. pots | \$20.00 | \$2.50 |
| Alternantheras, yellow, rooted cuttings | | 50 |
| Vincas, Var. 2-in. pots | | 2.00 |
| Asp. Sprengeri seedlings | 7.00 | 1.00 |
| Pansy Plants | 2.50 | |
| Cash | | |

Jos. H. Cunningham, Delaware, O.

Geraniums

All sold until February, orders booked for February and March delivery Nutt at \$10.00. Poitevine and Ricard at \$12.50 per 1000. PLUMOSUS, \$25.00 per 1000. SPRENGERI 15.00 per 1000. Ready Now.

ALBERT M. HERR, Lancaster, Pa.

SOUTH BEND, IND.—The business of the South Bend Floral Co., purchased recently by Adelbert and Charles Kinyon, formerly with Kinyon Bros., will be carried on under the old name. The real estate of the company was included in the purchase.

DBLE. PETUNIA

2-in. \$2.00 per 100. Smilax, 2-in., \$1.25 per 100. Abutilons, 3 kinds. 2-inch, 2 1/2c. Cuphea, 2-in., 1 1/2c. Poinsettias, stock plants, 5c. Geraniums, Double Grant, Castellaire, etc., 2-in., 2c. Coleus, 10 kinds. Ageratum, 3 kinds, \$1.50 per 100.

PRIMULA

Primula Obconica, 2-in., 2c; 4 in., in bud and bloom, also Chinese, 8c. Rooted Cuttings, prepaid per 100. Heliotrope, \$1.00; Fuchsia, 8 kinds, \$1.00; Paris Daisy, yellow, white, \$1.00; Cuphea, 75c. Vinca Variegata, 90c; Coleus, 10 kinds, 60c; Alternanthera, 5 kinds, 50c; Ageratum, 3 kinds, 60c; Swainsona alba, \$1.00; Dbl. Petunias, 10 kinds, \$1.00. Flowering Begonias, 8 kinds, \$1.25.

Cash with order.

BYER BROS., Chambersburg, Pa.

Snow White Sport of Helen Frick Chrysanthemum

Special Certificate of Merit at Maryland Horticultural Society. Heavy stock plants, \$3.00 per dozen; small stock plants, \$2.00 per dozen.

HENRY EICHHOLZ, Waynesboro, Pa.

SUGAR CREEK, MO.—Fred Grosschke suffered quite a loss by fire recently.

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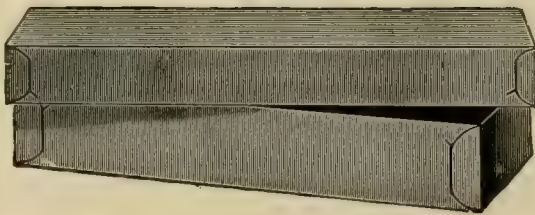
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Stronger and better in every way than rough manure. Lasts much longer on the benches. Unequalled for mulching and feeding roses, liquid manuring and mixing with bench and potting soil. Used by all the largest growers.

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Ageratum, Little Blue Star, R. C. 75c; 2½-in., \$2 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Ageratum, 3 kinds, 2-in., \$1.50 per 100. Byer Bros., Chambersburg, Pa.

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Alternantheras, strong, well-rooted cuttings, red or yellow, 50c per 100; \$4 per 1000. Brilliantissima, 60c per 100; \$5 per 1000. J. W. Davis, 225 W. 16th St., Davenport, Ia.

Alternantheras, strong, well rooted cuttings, stock of 8000 for sale, dark medium colors, 50c per 100; \$4 per 1000. S. H. Long, Glenwood, Ill.

Alternantheras, red and yellow, R. C. 50c; 2½-in., \$2 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Alternantheras, yellow, R. C. 50c per 100. Jos. H. Cunningham, Delaware, O.

ALYSSUM.

Alyssum, giant and dbl., 2-in., \$2 per 100. R. Vincent, Jr., & Sons, White Marsh, Md.

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Araucarias, Excelsa glauca, 6-in., 3 to 5 tiers, 14 to 20 ins., \$1 to \$1.50 each; 7-in., 25 to 35 ins., \$2 to \$2.50. Excelsa, 3 to 6 trs., 12 to 26 ins., 60c to \$1.50 each. Robusta compacta, 14 to 18 ins., 3 to 4 trs., \$1.25 to \$1.75. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Araucaria excelsa, 4-in., \$50 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

Araucarias, Bobbink & Atkins, Rutherford, N. J.

ASPARAGUS.

Asparagus plumosus nanus, from 2½-in. pots, \$2.50 per 100; \$22.50 per 1,000. Cash with order. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

Asparagus plumosus, 2½-in., \$3.50 per 100. Sprenger, 2½-in., \$2.50; 3-in., \$5; 4-in., \$10 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Asparagus plumosus nanus, 2-in., \$3 per 100; 4-in., \$12. Sprenger, 2-in., \$2.50; 3-in., \$6. D. U. Augspurger & Sons, Peoria, Ill.

Asparagus plumosus, 3-in., \$4; 4-in., \$10 per 100. Sprenger, 4-in., 10c; 2½-in., 3c. G. Aschmann, 1012 W. Ontario St., Phila.

Asparagus plumosus, 4-in., extra fine large plants, \$8 per 100. Scharff Bros., Van Wert, Ohio.

Asparagus Sprenger, 2-in., \$2.50 per 100; \$20 per 1,000. Storrs & Harrison Co., Painesville, O.

Asparagus Sprenger, 3-in., \$5 per 100. Plumosus, 2-in., \$3; 3-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus Sprenger, J. C. Schmidt, Bristol, Pa.

Asparagus Sprenger, seedlings, \$1 per 100; \$7 per 1,000. J. H. Cunningham, Delaware, O.

Asparagus plumosus, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Asparagus Sprenger, 4-in., \$5 per 100. F. C. Riebe, Webster, Mass.

Asparagus plumosus, \$25 per 1,000. Sprenger, \$15. A. M. Herr, Lancaster, Pa.

Asparagus Sprenger, 3-in., \$4 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

AZALEAS.

Azaleas. Jacs Smits, Naarden, Holland.

Azaleas. Geo. A. Kuhl, Pekin, Ill.

Azaleas, Mme. Petrick, 75c to \$1.25. Deutsche Perle, Vervaeneana, Simon Mardner, Apollo, 50c to \$1.50 each. Easter varieties: Niobe, Bernard Andreas Alba, \$1.25 to \$2.50. Empress of India, Mme. Van der Cruyssen, Helena Theilmann, Dr. Moore, Prof. Wolters, Schryveriana, Apollo, Vervaeneana, Simon Mardner, D. Perle, 50c to \$2 each. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Azalea mollis, 15 to 20 buds, 50c each; \$5 per doz.; \$40 per 100; 40 to 50 buds, \$1 each; \$10 per doz. Vaughan's Seed Store, Chicago and New York.

Azalea mollis, 12 to 15 ins., \$30 per 100; 15 to 18 ins., \$35. Storrs & Harrison Co., Painesville, O.

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2,000 bay and box trees in all sizes; pyramid and standard. Write for list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

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Bedding stock. Ageratum, alternantheras, alyssum, asters, candytuft, cannas, cinerarias, carnations, geraniums, German ivy, Impatiens Sultan, lobelia, lantanas, lemon verbenas, mignonette, moonvines, pansies, pelargoniums, petunias, pileas, phlox, salvia, smilax, santolinas, stocks, verbenas, vincas. Geo. A. Kuhl, Pekin, Ill.

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Cannas—See display ad. for special offerings. Mosbaek Greenhouse Co., Onarga, Ill.

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Cyclamens, fine stock, 15c and 20c each. Mosbaek Greenhouse Co., Onarga, Ill.

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Lobelia, Kathleen, Mallard, 2-in., \$2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

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Palms, Kentia Bel., 2½-in., \$10 per 100; 3-in., \$20. Kentia Fors., 2½-in., \$10 per 100; 3-in., \$20. Phoenix, 2 vars., 2½-in., \$4 per 100; 3-in., \$7. Bargains in Lantania Borbonica. D. U. Augspurger & Sons Co., Box 778, Peoria, Ill.

Palms, Forsteriana, 7-in., 40 to 44 ins., \$4 each; 8-in., 44 to 48 ins., \$5. Storrs & Harrison Co., Painesville, O.

Palms, Bobbink & Atkins, Rutherford, N. J.

PANSIES.

Pansies, fine, strong transplanted stock, \$5 per 1,000. Mosbaek Greenhouse Co., Onarga, Ill.

Pansies, German strain, \$2.50 per 1,000. F. C. Riebe, Webster, Mass.

Pansy plants, \$2.50 per 1,000. Jos. H. Cunningham, Delaware, O.

PELARGONIUMS.

Pelargoniums, Mme. Vibert, Sandiford's surprise, Linda, Dorothy, Mme. Thibaut, strong, 2-in., \$6 per 100. F. H. DeWitt & Co., Wooster, Ohio.

Pelargoniums, \$2.50 per 100. S. D. Brant, Clay Center, Kans.

PEONIES.

Peonies, all vars., Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars., W. & T. Smith Co., Geneva, N. Y.

Peonies only by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

Peonies, sixteen acres. Write for prices. Gilbert H. Wild, Sarcoxie, Mo.

Peonies, a superb collection. Jackson & Perkins Co., Newark, N. Y.

PETUNIAS.

Petunias, dbl., mixed colors, \$3 per 100. R. Vincent, Jr., & Sons, White Marsh, Md.

Petunias, dbl. (Dreer's), \$2 per 100; \$5 per 300. J. C. Schmidt, Bristol, Pa.

Petunias, dbl., 2-in., \$2 per 100. Byer Bros., Chambersburg, Pa.

PRIMULAS.

Chinese primroses, 1400 4-in., large plants full of bud and bloom, mixed colors, double and single, \$7.50 per 100. 3000 Primula obconica, 4-in., large plants, mixed colors, full of bloom, fine stock for Easter, \$5 per 100. Try them. Alonzo J. Bryan, Washington, N. J.

Primroses, obconica, 3-in., \$6 per 100; Baby, 2-in., \$2.50 per 100. D. U. Augspurger & Sons Co., Box 778, Peoria, Ill.

Primula obconica, full of bloom in 4 and 5-in. pots, 35c each. Mosbaek Greenhouse Co., Onarga, Ill.

Primula obconica, 10c each. Mosbaek Greenhouse Co., Onarga, Ill.

Primula obconica, J. C. Schmidt, Bristol, Pa.

Primroses, Geo. A. Kuhl, Pekin, Ill.

PRIVET.

50,000 California privet and Ampelopsis Veitchii, field-grown. Benj. Connell, Merchantsville, N. J.

RHODODENDRONS.

Rhododendrons, 18 ins., 8 to 12 buds, \$9 per doz.; 24 ins., 12 to 15 buds, \$12. Storrs & Harrison Co., Painesville, O.

Rhododendrons, \$6, \$9, \$12, \$15, \$18 per doz. Bobbink & Atkins, Rutherford, N. J.

Rhododendrons, Jacs Smits, Ltd., Naarden, Holland.

ROOTED CUTTINGS.

Rooted Cuttings, prepaid: Heliotrope, \$1. Fuchsias, 8 kinds, \$1. Paris daisies, yellow and white, \$1. Cuphea, 75c. Vinca Var., 90c. Coleus, 10 kinds, 60c. Alternantheras, 3 kinds, 50c. Ageratum, 3 kinds, 60c. Swainsonia alba, \$1. Dbl. petunias, 10 kinds, \$1. Feverfew, Gem, \$1. Flowering begonias, 8 kinds, \$1.25. Byer Bros., Chambersburg, Pa.

Rooted cuttings: Coleus, 10 vars., 60c per 100; \$5 per 1,000. Salvia, 75c per 100; \$6 per 1,000. Double petunias, \$1 per 100; \$9 per 1,000. Heliotrope, \$1 per 100; \$9 per 1,000. Ageratum, 50c per 100; \$4 per 1,000. Begonia (gracilis), \$1 per 100; \$9 per 1,000. Birmingham Landscape and Nursery Co., Box 663, Birmingham, Ala.

ROSES.

Roses, White Killarney, R. C. \$6.50 per 100; \$60 per 1,000; 2½-in., \$8.50 per 100; \$75 per 1,000; grafted, \$14 per 100; \$125 per 1,000. Pink Killarney, R. C. \$4 per 100; \$35 per 1,000; 2½-in., \$6 per 100; \$55 per 1,000; grafted, \$12 per 100; \$120 per 1,000. My Maryland, R. C. \$4 per 100; \$35 per 1,000; 2½-in., \$6 per 100; \$55 per 1,000; grafted, \$12 per 100; \$110 per 1,000. Richmond, R. C. \$3.50 per 100; \$30 per 1,000; 2½-in., \$5.50 per 100; \$50 per 1,000. Maids, Brides, R. C. \$3 per 100; \$25 per 1,000; 2½-in., \$5 per 100; \$45 per 1,000. Cardinal, R. C. \$3.50 per 100; \$30 per 1,000; 2½-in., \$5.50 per 100; \$50 per 1,000. Am. Beauties, R. C. \$4 per 100; \$35 per 1,000; 2½-in., \$7 per 100; \$65 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, Crimson Rambler, 2-yr., own roots, \$2 per doz.; \$15 per 100; 2-yr., branched, \$2 per doz.; \$15 per 100; 3-yr., own roots, \$3 per doz.; \$18 per 100; 4-in., \$19 per 100. Tausendschon, 2-yr., grafted, \$3.50 per doz.; \$25 per 100. Lady Gay, 2-yr., \$3 per doz.; \$20 per 100. White Baby Rambler, 3-in., 15c; 4-in., 25c each; \$2.50 per doz.; \$20 per 100. Baby Rambler, dormant, field-grown, 3-yr., \$2.50 per doz.; \$16 per 100; \$150 per 1,000; 2nd size, 2-yr., \$2 per doz.; \$12 per 100; \$100 per 1,000; 3rd size, 1-yr., \$1.50 per doz.; \$10 per 100; \$85 per 1,000; pot-grown, 2½-in., 75c per doz.; \$5 per 100; 3-in., \$1.25 per doz.; \$8 per 100; 4-in., \$2 per doz.; \$12 per 100. Vaughan's Seed Store, Chicago & New York.

Roses, Crimson Rambler, 2-yr., own roots, \$2 per doz.; \$15 per 100; 2-yr., branched, \$2 per doz.; \$15 per 100; 3-yr., branched, budded, \$3 per doz.; \$13 per 100; 4-in., \$10 per 100. Tausendschon, 2-yr., grafted, \$3.50 per doz.; \$25 per 100. Lady Gay, 2-yr., \$3 per doz.; \$20 per 100. White Baby Rambler, 3-in., 15c; 4-in., 25c each; \$2.50 per doz.; \$20 per 100. Baby Rambler, dormant, field-grown, 3-yr., \$2.50 per doz.; \$16 per 100; \$150 per 1,000; 2nd size, 2-yr., \$2 per doz.; \$12 per 100; \$100 per 1,000; pot-grown, 2½-in., 75c per doz.; \$5 per 100; 3-in., \$1.25 per doz.; \$8 per 100; 4-in., \$2 per doz.; \$12 per 100. Vaughan's Seed Store, Chicago & N. Y.

Roses, dormant field-grown, own roots. Sweetheart, T. Blumschen, La Flamma, Trier, D. Perkins, Lady Gay, Debutante, Hiawatha, 12c each. Tausendschon, Barbier, 20c. Dingee & Conard Co., West Grove, Pa.

Roses, for forcing, hybrid perpetuals and Ramblers. Jackson & Perkins Co., Newark, N. Y.

Roses, on own roots, budded, bedding, H. Ps., hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Taft rose, 2½-in., \$15 per 100. J. M. McCullough's Sons Co., 316 Walnut St., Cincinnati, O.

Roses, Crimson Ramblers, Souperes, Hermosa, Geo. A. Kuhl, Pekin, Ill.

Roses, Bride, Maid, Golden Gate, 3-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Roses, Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

Roses, leading varieties. Leedle Floral Co., Springfield, Ohio.

Rose Radiance, 2½-in., \$18 per 100. John Cook, 318 Charles St., Baltimore, Md.

Roses, 3-in. Wood Bros., Fishkill, N. Y.

SALVIAS.

Salvia, good strong stock, 2¼-in., \$2.50 per 100. Mosback Greenhouse Co., Onarga, Ill.

SEEDS.

Palm Seeds, Phoenix Canariensis, seed. \$1.50 per 1,000. Phoenix reclinata, \$2.25 per 1,000. Washingtonia robusta, 75c per 1,000. Washingtonia filifera, \$1 per 1,000. Chamaerops excelsa, 75c per 1,000. Smilax, 35c per oz., ½ lb., \$2. Sterculia diversifolia, Australian bottle tree, 35c per oz.; ½ lb., \$2. Schinus molle, pepper tree, 50c per lb. F. M. Warner, 1100 So. Flower St., Los Angeles, Calif.

Seeds, Alyssum Carpet Queen, \$5 per oz.; tr. pkt., 25c. Phlox Dwarf Fireball, oz., \$2.50; tr. pkt., 35c; Roseball, oz., \$2; tr. pkt., 30c; Snowball, oz., \$3; tr. pkt., 40c; Cicely, oz., \$2.50; tr. pkt., 35c; Salvia Fireball, oz., \$4; tr. pkt., 50c; King of Scarlets, oz., \$10; tr. pkt., 50c; Zurich, oz., \$8; tr. pkt., 50c. O. V. Zangen, Hoboken, N. J.

Vaughan's New Crop flower seeds. For varieties and prices see advertisement page 39 in this issue. Vaughan's Seed Store, Chicago and New York.

Seeds, Sprenger, 75c per 1,000 seeds. Petunias dbl. fringed, trade pkt., \$1; single, 60c; California giants, 50c. Salvia Zurich, oz., \$5; Triumph, oz., \$5. Moon flower, white, 35c. W. C. Beckert, 103 Federal St., North Side, Pittsburg, Pa.

Seeds, Lobelia Crystal Palace compacta, Salvia, Splendens and Bonfire, Centaurea Gym. Cobaea scandens, Mignonette, N. Y. Market, Begonia Vernon, Dracena indivisa, Primula Chinensis, Schizanthus Wisetonensis, Onion Ailsa Craig, Tomato The Don. Weeber & Don, 114 Chambers St., New York.

Seeds, onion, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seeds, Cucumber Green Cross, pkg. 25 seeds, 20c; pkg. 100 seeds, 60c; pkg. 200 seeds, \$1; pkg. 500 seeds, \$2; pkg. 1,000 seeds, \$3.50. John A. Salzer Seed Co., La Crosse, Wis.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, Cauliflower and cabbage. Hjalmar Hartman & Co., 31 Barclay St., New York, and 12 Stormgade, Copenhagen.

Seeds, Phoenix Roebeleni. Sander, T. Mellstrom, Representative, 235 Broadway, New York.

Seeds, specialties: Stocks, pansies, cyclamens, etc. Pape & Bergemann, Quedlinburg, Germany.

Seeds for the market gardener. German Nurseries & Seed House, Box 245, Beatrice, Neb.

Seeds, sweet peas, Christmas Pink and Denzer, \$2 lb. Chas. H. Potty, Madison, N. J.

Seeds, flower. Frederick Roemer, Quedlinburg, Germany.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, asters. James Vick's Sons, Rochester, N. Y.

Seeds, Landreth Seed Establishment, Bloomsdale Farms, Bristol, Pa.

Seeds, Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Vegetable seeds, plants, sold direct. Catalogue free. Glick Seed Farms, Lancaster, Pa.

Seeds, garden, field and flower. S. D. Woodruff & Sons, 82-84 Dey St., New York.

Seeds, Crego aster, ¼-oz., 60c; oz., \$2. Joseph Harris Co., Coldwater, N. Y.

Contract Growers.

Seeds, peas, beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Ishell & Co., Jackson, Mich.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbena. Waldo Rohmert, Gilroy, Calif.

Seeds, sweet peas. Anton Zvolanek, Boundbrook, N. J.

Seeds, growers for the wholesale trade only. Braslan Seed Growers' Co., San Jose, Calif.

California seed contracts. Kimberlin Seed Co., Santa Clara, Calif.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds, field, garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

SMILAX.

Smilax plants, 2¼-in., \$1.50 per 100; \$12 per 1,000. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia, Pa.

Smilax, 2-in., \$1.25 per 100. Byer Bros., Chambersburg, Pa.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

Spires. J. Smits, Ltd., Naarden, Holland.

VEGETABLE PLANTS.

Vegetable plants. Cabbage, Wakefield and Succession, \$1 per 1,000; \$8.50 per 10,000. Parsley, 25c per 100; \$1.25 per 1,000. Lettuce, Big Boston, Boston Market, Grand Rapids, \$1 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

VERBENAS.

Verbenas, rooted cuttings, our selection, 75c per 100; \$6 per 1,000; plants, 2¼-in., our selection, \$2.50 per 100; \$20 per 1,000; R. C. purchaser's selection, 90c per 100; \$8 per 1,000; plants, 2¼-in., \$3 per 100; \$25 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Verbenas, R. C., 70c per 100; \$6 per 1,000. S. D. Brant, Clay Center, Kans.

Lemon Verbena, 2-in., \$2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lemon Verbena, R. C., 75c per 100 prepaid. Cash. Chas. Frost, Kenilworth, N. J.

VINCAS.

Vinca var., 2-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Vinca Variegated, field, \$4 per 100. F. C. Riebe, Webster, Mass.

Vinca var., R. C., 75c per 100 prepaid, cash. Chas. Frost, Kenilworth, N. J.

VIOLETS.

VIOLETS, Baronne A. de Rothschild is making good everywhere, as the most free and most fragrant single in cultivation. Size and stem equal to Princess, color a shade darker. Rooted runners or divisions, ready in April. Book your order now, at \$6 per 100; \$50 per 1,000. F. W. Fletcher Co., Auburndale, Mass.

Violets, Princess of Wales, 5 per 100. F. C. Riebe, Webster, Mass.

Violets. Wood Bros., Fishkill, N. Y.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Allen, J. K., 106 W. 28th St., New York.

Ambling, E. C., 32-36 Randolph St., Chicago.

Berning, H. G., 1402 Pine St., St. Louis.

Deamud, J. B. Co., 51 Wabash Ave., Chicago.

Denver Wholesale Florist Co., 1433-35 California St., Denver, Colo.

Flower Growers' Market, 60 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., N. Y.

Guttman, Alex J., 34 W. 28th St., N. Y.

Holton & Hunkel Co., 463 Milwaukee St., Milwaukee, Wis.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros. Co., 48-50 Wabash, Chicago.

Kessler Bros., 50 W. 28th St., New York.

Keuhn, C. A., 1122 Pine St., St. Louis, Mo.

Kruchten, John, 51 Wabash Ave., Chicago.

Kyle & Foerster, 51 Wabash Ave., Chicago.

Langjahr, Alfred H., 55 W. 28th St., N. Y.

McCallum Co., 937 Liberty Ave., Pittsburg.

McCullough's Sons Co., J. M., 316 Walnut St., Cincinnati, O.

McKellar, Chas. W., 51 Wabash, Chicago.

McKissick, W. E. & Bros., 1619-21 Ranstead St., Philadelphia.

Moore, Hentz & Nash, 55-57 W. 26th St., New York.

Michigan Cut Flower Exchange, 30-40 Broadway, Detroit, Mich.

Millang, Aug., 41 W. 28th St., New York.

Millang, Chas., 444 6th Ave., cor. 27th St., New York.

Murdoch & Co., J. E., 714 Penn Ave., Pittsburg, Pa.

Murphy, William, 311 Main St., Cincinnati.

Niessen Co., Leo, 1208 Arch St., Phila.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Pittsburg Cut Flower Co., 222 Oliver Ave., Pittsburg.

Pittsburg Florists' Exchange, 217-233 Diamond St., Pittsburg, Pa.

Poliworth, C. C. Co., Milwaukee, Wis.

Randall, A. L. Co., 19 Randolph St., Chicago.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

Raynor, John I., 49th and W. 28th St., New York.

Sheridan, Walter F., 39 W. 28th St., N. Y.

Slinn, B. S., 55-57 W. 26th St., New York.

Smith & Co., W. C., 1316 Pine St., St. Louis.

Traendly & Schenck, 44 W. 28th St., N. Y.

Vaughan & Sperry, 52-54 Wabash, Chicago.

Welch Bros., 226 Devonshire St., Boston.

Winterson, E. F. Co., 45-49 Wabash, Chicago.

Young, C. & Sons, 1406 Olive St., St. Louis.

Young & Nugent, 42 W. 28th St., New York.

Zech & Mann., 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76-78 Wabash Ave., Chicago.

Bruns, H. N., 1049-11 W. Madison, Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Chicago Rose Co., 56-58 Wabash Ave., Chicago.

Dayton Floral Co., Dayton, O.

Elliott, W. H., Brighton, Mass.

Hill, The E. G. Co., Richmond, Ind.

Krueger Bros., Toledo, O.

Poehlmann Bros., 35-37 Randolph, Chicago.

Reinberg, Geo., 51 Wabash Ave., Chicago.

Reinberg, Peter, 35 Randolph St., Chicago.

Weiland & Olinger, 128 E. 3d St., Cincinnati, O.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wittbold, Geo. Co., 1657 Buckingham Pl., Chicago.

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Louisville, Ky.—J. Schultz, 644 4th Ave.
 New Orleans, La.—U. J. Virgin, 833 Canal St.
 New York—A. T. Bunyard Floral Co., 413 Madison Ave.
 Omaha, Neb.—Hess & Swoboda, 1416 Far-nam St.
 Rochester, N. Y.—J. B. Keller Sons, 25 Clinton St.
 San Francisco, Calif.—J. B. Boland, 60 Kearney St.
 St. Louis, Mo.—Young's, 1406 Olive St.
 St. Paul, Minn.—Holm & Olson.
 Terre Haute, Ind.—John Heintz & Son, 129 So. 7th St.
 Toronto, Ont.—Dunlop's, 96 Yonge St.
 Washington, D. C.—Z. D. Blackstone, 14th and H Sts.
 Washington, D. C.—A. Gude & Bros., 1214 F St.
 Washington—Geo. C. Shaffer, 14th and I Sts., N. W.

BUILDING MATERIAL.

Building material, hotbed sash, cypress, unglazed 95c each; in doz. lots, 90c; glazed, \$1.65 each; doz. lots, \$1.60. Pine sash, unglazed, 90c; doz. lots, 85c; glazed, \$1.60; doz. lots, \$1.55 each. Building hardware, wire and wire fencing, bolts, hatchets, hammers, etc. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building material, cypress sash bars, Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pipe fittings and all supplies needed in new or reconstruction work. Foley Mfg. Co., Western Ave., and 26th St., Chicago.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Detsch Co., 2642 Sheffield Ave., Chicago.

Building material, Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Sunlight double glass sash for hotbeds and cold frames. Sunlight Double Glass Sash Co., 934 E. Broadway, Louisville, Ky.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

FANS.

Fans. Sirocco. American Blower Co., Dept. A. F., Detroit, Mich.

FERTILIZERS.

Wizard Shredded Cattle Manure, 100 lbs., \$1.20; 500 lbs., \$5; 1,000 lbs., \$8; 2,000 lbs., \$13. Pulverized Manure Co., 32 Exchange Ave., Union Stock Yards, Chicago.

Thomson's vine, plant and vegetable manure. Wm. Thomson & Sons, Ltd., Cloven-fords, Scotland.

GAS ENGINES.

Akron Gas Engines, 3 h. p., 5 h. p. and other sizes. The Akron Machine Co., Akron, O.

GLASS.

Glass, Greenhouse glass a specialty; also window glass. Sprague, Smith & Co., 167-9 Randolph St., Chicago.

Glass, High grade, double thick greenhouse glass. Lord & Burnham, 1133 Broadway, N. Y.

Glass of all kinds and sizes. Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

Glass, greenhouse, all sizes. H. M. Hooker Co., 120-123 W. Washington St., Chicago.

GLAZING POINTS.

Glazing points, Lord & Burnham special glazing nails (points), Lord & Burnham Co., 1133 Broadway, New York.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc never-rust glazing points, 2 sizes, $\frac{3}{8}$ and $\frac{1}{2}$, 40c per lb.; 16c extra by mail; 7 lbs., \$2.50; 15 lbs., \$5, by express. Randolph & McClements, Baum & Beatty Sts., Pittsburg, Pa.

GREENHOUSE CONSTRUCTION.

Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave., and 26th St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings & Co., 1170 Broadway, New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk, Chicago.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

Withhold cement post moulds. E. H. Hunt, 76-78 Wabash Ave., Chicago.

MISCELLANEOUS.

Paragon Sprayer, 3 gals., 5 ft. rubber hose, 5 ft. pipe, 2 spray nozzles, \$7; 5 gals., 5 ft. hose, 5 ft. pipe, 2 nozzles, \$10; 12 gals., mounted on 2 wheels, 10 ft. hose, 7 $\frac{1}{2}$ ft. pipe, 2 nozzles, \$15; all brass, mounted on 30 gal. oak barrel, 25 ft. hose, 7 $\frac{1}{2}$ ft. pipe, spray nozzles and triple spray nozzles, \$25. The J. M. McCullough's Sons Co., 316 Walnut St., Cincinnati, O.

Pansy and Verbena baskets, 9 ins. long, 6 ins. wide, 3 ins. deep, \$9 per 1,000; 13 ins. long, 7 $\frac{1}{2}$ ins. wide, 4 ins. deep, \$15 per 1,000. Detachable handles, \$2 per 1,000. Coles & Co., 109 Warren St., New York.

Rocking grate bar, saves 10 to 25 per cent coal. U. S. Rocking Grate Bar Co., 77 Jackson Blvd., Chicago.

Evergreen Brand Flower Fertilizer, \$2 per can of 12 lbs. D. D. Johnson Co., 64 Wabash Ave., Chicago.

Meyer's Green Silkline for tying bouquets. John C. Meyer & Co., Lowell, Mass.

Pillsbury's Carnation Staple, 50c per 1,000 postpaid. I. L. Pillsbury, Galesburg, Ill.

The Mastin Automatic Whitewash and Spraying machine. J. G. Mastin & Co., 3124 W. Lake St., Chicago.

Superior Carnation staple, 50c per 1,000, postpaid. L. J. Waite, 293 Main St., Springfield, Mass.

Ribbons and chiffons. M. Shattis & Co., 19 Wabash Ave., Chicago.

PIPE, FITTINGS, ETC.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U-bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., Western and 26th, Chicago.

Pipes and fittings, cast iron and wrought pipe, valves, elbows, pipe hooks, automatic air headers, etc. Lord & Burnham Co., 1133 Broadway, New York.

Iron fittings, patent iron bench fittings and roof supports. Diller, Caskey & Keen, 5th and Berk Sts., Philadelphia.

Pipe and fittings. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Pipe, valve fittings. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Ideal pipe clamps. Wm. Moll, 1664 Columbus Rd., Cleveland, O.

POTS, PANS, ETC.

Pots, before buying write for prices. Geo. Keller & Sons, 2614-22 Herndon St., Chicago.

"NUFF SED." Best red pots are made by Geo. E. Feustel, Fairport, Iowa.

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Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots, florist red. Peters & Reed Pottery Co., Zanesville, O.

Neponset waterproof paper flower pots. Vaughan's Seed Store, Chicago and New York.

Pots, Syracuse red. Syracuse Pottery Co., Syracuse, N. Y.

Pots, Standard, all sizes. A. F. Kohr, 2934-38 N. Leavitt St., Chicago.

Paper flower pots, 500,000. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

STEAM TRAPS.

Steam traps, the Standard return steam trap has no equal for its simplicity of working. E. Hippard, Youngstown, O.

Morehead Return Steam Traps, Morehead Mfg. Co., 1047 Grand River Ave., Detroit.

Detroit return traps. American Blower Co., Dept. A. F., Detroit, Mich.

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Cane Stakes. Standard grade 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000.

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WIRE DESIGNS.

Headquarters for wire work. Send for list. F. W. Ball, 31 E. 3rd St., Cincinnati, O.

BOOKS FOR FLORISTS

The following books should be in every florist's and gardener's library. A good book on any subject in which you are specially interested is worth years of experience and should be kept convenient for reference at all times.

Send prices quoted and we send the books.

PRACTICAL FLORICULTURE (Peter Henderson).—A guide to the successful propagation and cultivation of florists' plants. Illustrated. 325 pages. \$1.50.

THE HORTICULTURISTS' RULE-BOOK (L. H. Bailey).—Contains information valuable to all those engaged in any branch of horticulture. Illustrated. 312 pages. 75 cents.

HOW TO MAKE MONEY GROWING VIOLETS (Saltford).—This is by a practical grower who has made a success of the business. No grower of violets can afford to be without it. 25 cents.

OUTDOORS (McGaffey).—A breezy little book of the woods, fields and marshlands. Interesting to the lover of outdoor sports, the fisherman, hunter or botanist. Readable from cover to cover.

CHRYSANthemum MANUAL (Smith).—By an expert who has given his undivided attention for twenty years to the improvement of the chrysanthemum and its culture in detail. Profusely illustrated. 40 cents.

HEATING AND VENTILATING BUILDINGS. (Carpenter).—This book covers the entire subject most fully. In the preparation of heating and ventilating plans it will be found a most valuable guide. \$4.00.

CABBAGES, CAULIFLOWER AND ALLIED VEGETABLES (Allen).—The requirements of the important vegetables of the cabbage tribe are given here very fully. The book also contains interesting chapters on seed raising, insects, pests and fungus diseases common to these plants. 50 cents.

American Florist Co., 324 Dearborn St. CHICAGO

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

The American Florist Company's Directory of
Florists, Nurserymen and Seedsmen of the United States and Canada.

(Copyrighted and Title Trade-Mark Registered.)

DIRECTORY REVISION.

We are revising our **Trade Directory** of the **Florists, Nurserymen, Seedsmen**, etc., of the United States and Canada, and as there have been many changes in firm names and considerable extension of the area under glass, nursery grounds, etc., you would greatly oblige by filling out this sheet.

When was business established?

Whom did you succeed?

Are you a Florist?

Grower? Retailer?

How many square feet under glass? *

Are you a Nurseryman?

Wholesale? Retail?

How many acres operated?

Are you a Seedsman?

Dealer? Grower?

What are your specialties?

.....

Firm name

Proprietor's name

Manager's name

Street

Postoffice

State

* To ascertain the number of feet under glass in a given house, 12x145, multiply the length (145 feet) by the width (12 feet) and you have in that house 1,740 feet under glass, thus.....1,740.

Horticultural Supply Concerns.

We also list all lines of **Horticultural Supply Concerns**, such as manufacturers of

Greenhouse Building Materials, Boilers, Ventilators, Glass, Insecticides, Pots, Labels, Seed Bags, Fertilizers, Wire Designs, Tinfoil, Vases, Implements, Machinery, Sprayers, Seed Cases, Etc.

The specialties are also listed under these heads in the case of advertisers.



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Page (3½x6½ ins.).....\$25.00
Half page (3½x3¼ ins.)..... 15.00
One-fourth page (3½x1⅝ ins.)..... 9.00

If there are any new firms or trade changes in your vicinity, please give the particulars here:

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This is the grower's friend Handy to
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keeps down filth. Circulars on applica-
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PERFECTION CHEMICAL CO.,
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A CRITICISM OF THE GROWERS.

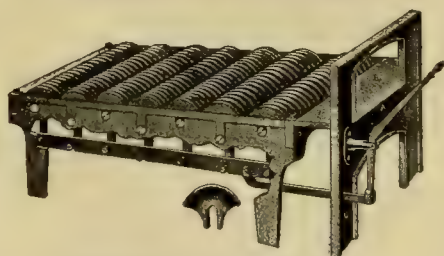
It is fair to presume that the eccentricities, cleverness and shortcomings of growers located near all distributing centers, will average about the same. This fact renders their examination all the more useful because a greater number may profit by the discussion of their ways, and pass a New Year's resolution to eradicate some of them. No matter who may be the owner of a greenhouse, the commission house, the retailer and the supply market have an interest in it, and a very vital interest at that. Whichever member you may be of this quartet of interests you will not concede the right of the other three to dictate, but you have to recognize the interdependence of the four and see that their appreciation of your co-operation is your capital as truly as the dollars you may have invested. Growers are usually most sensitive about things related to their own weakness (we all have our weak spots). Just where he should solicit council, he is inclined to repel it; for this reason these observations are made general as exemplified by local conditions so as not to annoy any friends whom we would like to help by a pointer occasionally.

As business is now conducted the commission house is the pulse of what



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in the Steam-Heated Greenhouse
BETTER THAN A REBATE IN THE COAL BILL.
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| 2 - 72x18 Tubular Boilers. | 3 - 42x12 Tubular Boilers. | 1 - 36x12 Fire Box Boiler. |
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VENTILATING
APPARATUS.

we may call the commercial side of our affairs. It is the most economical method for co-operation of growers in serving the retailer, and the more efficient the service is made, the better the public may be served, and the fact that the public is our mainstay should never be lost sight of. Of course the public and grower do not come in personal contact. The public has become more critical and exacting, requiring greater skill and efficiency on the part of the grower. This has caused a division of labor whereby the grower can watch his plants more closely, entrusting the marketings to an agent. The grower's skill is more quickly appreciated today than ever before, and his indifference to public requirements likewise rebuked, as evidenced by his financial returns. The grower who puts in 23 good flowers and two inferior for a bunch has his number spotted for a boycott by the retail florist. The few who never put in an inferior flower are best known, and their stock is continually asked for in preference to others. It would be quite an education for some growers to read the letters referring to their number. "Don't send me any more No.—'s carnations, I never make good on them." "Give me No.—'s roses if possible or No.—'s as second best." "Can you promise me 500 No.—'s violets for next Monday? No others will do." In this way retailers who can pay the price for good service get to know the growers by number and the commission man is obliged to give the stock asked for while it holds out. These differences may be occasioned by quality; there is another factor which will be easiest explained by the following apology written on an invoice. "This is not your favorite grower, but one who was accommodating enough to make a special trip in town for you; otherwise we could not have filled order on time." There are just a few growers whose stock is not of the very highest grade that become known and appreciated for their readiness to help out in emergency cases.

Some pickled stock found its way into the retailers' hands this Christmas for which the growers have received their money, but 10 times the amount involved would be no recompense for the boycotting caused. The commission agent has his oil can out all the time trying to smooth out these petty eruptions that continually come to the surface on account of narrowness of character and near-sighted reasoning. He is between two fires most of the time and for self-protection develops a few tricks of his own.

AT THE GREENHOUSES.

One prominent feature among smaller plants may be the cause of their smallness. When going into one of these places one is greeted by an explanation that such a house is in bad shape; they had not been able to attend to it in time and it don't pay to hire help. There are several such growers here; there is usually 25 per cent more stock on hand than the place is capable of housing properly, and only one-half or two-thirds of the place is kept in order. Of the three factors, greenhouses, stock and labor, one cannot make good if either falls below the capacity of the other two. Several growers here did well at first, starting exceedingly small, adding to the plant until it grew beyond their own labor capacity. To save \$10 a week on labor and fall short \$25 on returns in consequence has been known. We have also seen where the saving of two tons of coal has injured a crop and reduced the returns at least \$200, and other instances are not rare. A bunch of Asparagus Sprengeri is in full crop; by looking closer one can

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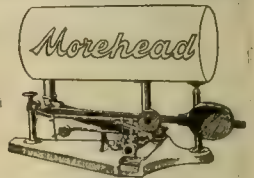
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Superior Crimped Invisible Carnation Staple

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For repairing split carnations. 1000 for 50 cents
Postpaid.

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see that the older stems were not cut and several layers are decaying; eight or ten months growth is there, and the owner says that as soon as he can get to it he will throw it all out; as it don't pay. This stock has been quite profitable for the last four years and the grower sent in a lot during a dull season last summer when regular shippers were being guided by advice from the commission house when and how much to ship, so as not to waste it. During such a market our friend dumps a lot in and loses much of it. He can show you how much he sent in and what he got for it; is that not proof that asparagus does not pay? For the sake of argument admit it does not pay, that proof is four months old, none of it has yet been marketed and the bench is not filled with a succeeding crop. To have a bench idle for four months is "saving labor" we know, but it is not growing anything more profitable.

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Hot Bed Sash In stock or any size required.

Pecky Cypress

for benches, lasting and least expensive.

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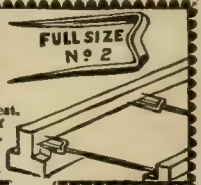
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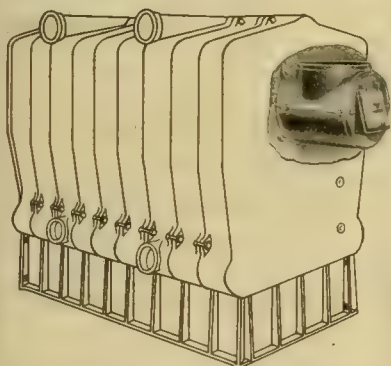
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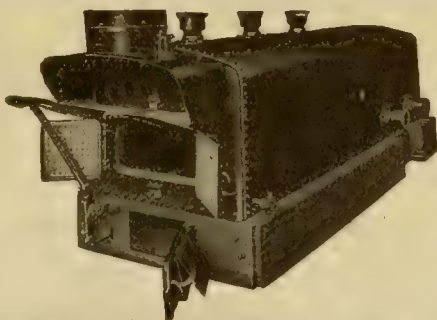
Smoke box is interchangeable, so pipe can be attached at back, top, sides or bottom if you want to—without buying a thing extra—simply a turn of the bolts.

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ROCKFORD, ILL.—The Florists' and Gardeners' Association held its annual meeting and banquet January 17 and elected J. J. Soper, president; Max Sadewater, vice-president, and George Birks, secretary and treasurer. Park Commissioner Fred Carpenter gave the members an interesting talk on parks and civic improvement. The association will give C. H. Woolsey, the retiring president, a banquet March 14.



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Adaptable to anything from Violets to Roses.

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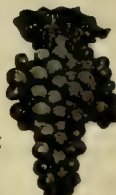
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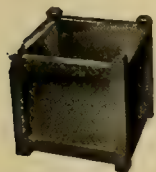
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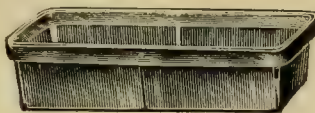
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GEO. KELLER & SON,

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SYRACUSE RED POTS

Prompt shipments guaranteed. We have a large stock of well made and well burned pots on hand for the trade of 1910. Our terms are as good as the best. Our catalogue on application.

SYRACUSE POTTERY CO.

SYRACUSE, N. Y.

Mention THE FLORIST When Writing Advertisers.

The Allied Trades

Descriptive particulars—with drawings or photographs, if possible—of any new apparatus or device which may prove helpful to the trade are solicited for this department.

Size of Hot Water Flow Pipes.

ED. AMERICAN FLORIST:—

I have a house 28x200 feet piped as follows: A 5-inch flow running 10 feet above the boiler from which run two 2½-inch mains, hung on columns on a decline to end of house, there dropping into six 2-inch returns each, returning under benches on a decline into boiler. The overhead flow pipes get very hot the entire length of house, but the returns under benches become so cool that by the time they enter the boiler they are about lukewarm. Do you think that larger flows are necessary, and what size? The above is a hot water system. The temperature desired is 50° to 55°. Would like to add that the 2½-inch flows are taken off a 4x5 caulked tee, which will not allow a larger size pipe than 3½-inch being used.

H. A. M.

The trouble with the heating system is probably due to the fact that the two 2½-inch mains have to supply about 1,800 square feet of radiation which is fully twice as much as is desirable. The remedy will, of course, be to double the number of the flow pipes, or better yet to put in three additional flow pipes, and take out two of the returns, thus leaving two returns for each flow pipe. If, as is understood, it is necessary to connect with the main by means of a 3½-inch pipe this should be increased to 4-inch and broken up into the five 2½-inch flows just as soon as possible. The returns should be of the same capacity as the flow pipes.

Unless the returns are well above the top of the boiler it will be well to carry them with a very slight fall towards the boiler, as the higher they are the better will be the circulation. A drop of one foot in 15 or 20 will answer, provided care is taken to give the pipes an even grade, so that the air cannot collect. It is always better to keep the returns as high as possible and then drop vertically than to carry them at a steep pitch so that they will be nearly as low as the inlet at the boiler end of the coil.

L. R. T.

Greenhouse Building.

Rhinebeck, N. Y.—J. Vonder Linden, four greenhouses, each 18x200 feet.

Cohoes, N. Y.—F. Fennell, one greenhouse, 22x100 feet.

Lebanon, O.—Dr. J. Q. Mulford, two greenhouses 20x79 feet.

Kankakee, Ill.—Raasch Bros., one greenhouse 47x200 feet.

"HAIL, ALL HAIL Secretary Wilson and his plant department," says the Chicago Inter-Ocean, who has heard from the press bureau of the department, that the secretary thinks it possible to procure a puckerless persimmon.



A Light House Is the Only Right House

and you don't have to look twice to see how light this house is. It is our Flat Iron Rafter Construction—strong, rigid, durable—the result of years of experience in the development of high grade greenhouses. You cannot afford to go ahead with the building of your houses until you have investigated our method of building them. Drop us a line.

Hitchings & Company

Designing and Sales Office
1170 Broadway New York
Gen'l Offices and Factory,
Elizabeth, N. J.

The Mystery of Color.

"Color is food for the eye," as an eminent scientist has said, "without which the vision would be so weary that the brain would become a prey to melancholy, and even bodily health decay." Indeed, many doctors state that we have not yet sufficiently learned or appreciated the medical value of hues; experiments have been tried now and again, but on no vast scale, and have gone to prove that red, yellow, green, violet and blue, as well as white and black, have a real influence upon both mind and body.

To the gardener there is practical as well as poetic interest in all this; it is not too much to say that by the right use of flower colors he can add to the cheerfulness and well-being of the occupants of the home. Naturally, the beds and borders immediately before and behind the house are the most important in this respect, but the whole of the pleasure grounds should possess healthful influence, and distant masses of brilliance, if sufficiently large, are certain of effect as seen from the building.

Many residences, small as well as large, are grey or white, and, if these have on either side a north aspect, the absence of sunshine upon them leaves a sad note in the landscape. To plant dark evergreens by such homes, and then have few gay-colored flowering plants, and those few dotted about so that they give no display, is to make the scene additionally mournful, and miss a fine opportunity, for white walls and deep green foliage are the perfect background for gold and vermilion, or carmine and purple blossoms.

Scarlet is, no doubt, the most valuable hue, but it is infinitely improved by being associated with a great deal of orange and of gold, the absence of sunshine scarcely proving noticeable where the two latter are represented in sufficient quantity. Crimson is much less advisable, unless it is largely accompanied by purple and mauve, which lead the warm tone down to white, grey or cream. A Crimson Rambler rose on a grey house does not materially enliven it therefore, but the scarlet of the geranium certainly achieves wonders; there is great need of a scarlet-blooming climber sufficiently hardy for north or north-east walls; the gorgeous flame flower, *Tropæolum speciosum*, should always be trained up painted wire

netting, but is so uncertain that it may die, or prove flowerless.

Last year a noteworthy experiment was tried upon a north front of a dull grey house; this was the partial covering of the walls with a trellis painted vermilion. When yellow variegated euonymus had partly clothed the base, and the white rose, *Aimée Vibert*, had mounted above it, the effect was altogether admirable. A few golden privets were induced to thrive in a side border facing west, and scarlet geraniums, orange and yellow day lilies, and montbretias were lavishly employed in the beds, aided by golden calceolarias and pansies. *Tropæolum speciosum* flourished on the east side of an outstanding rustic porch, where it received shelter, and amber-tiled window boxes, filled with fuchsias helped in the whole result.—Gardeners' Magazine.

Scents.

Very many of the perfumes of an earlier age would not be tolerated at the present day. They were largely obtained from animal sources, and were heavy, clinging, and, according to modern notions, very disagreeable. Civet, to which Shakespeare frequently alludes, was in common use in Elizabethan times, but anybody scented with it now would be quickly shown the door. Though mention is made of various flowers, perfumes extracted from gums and aromatic herbs seem to have been preferred. They were supposed, says the *Journal of Horticulture*, to have some mysterious influence in keeping disease at bay, and, curiously enough, modern science shows that some of them may have had that effect, and they are now placed among disinfectants or destroyers of disease germs. Though most perfumes can be, and often are, produced by artificial means, they are still very largely obtained from flowers, and enormous quantities of jasmine, violets and roses are grown with this special object. The commonest method of extraction is to lay the petals in shallow pans containing clarified beef or pork fat, and to renew them daily so long as the same kind of flowers is procurable. The fat seems capable of absorbing an almost indefinite amount of essential oil, and all that is done to it is to scratch its surface with a knife so as to expose a fresh surface when each new layer of petals is placed on it.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXIV.

CHICAGO AND NEW YORK, FEBRUARY 5, 1910.

No. 1131

THE AMERICAN FLORIST

TWENTY-FIFTH YEAR.

Copyright, 1910, by American Florist Company.
Entered as Second-Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago,

Long Distance Phone: Harrison 7465.

Eastern Office: 1133 Broadway, New York.

Philadelphia, Pa.: Robt. Kift, 1725 Chestnut St.

Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a year; Canada, \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from the trade. Volumes half yearly from August, 1901.

Address all correspondence, subscriptions, etc., American Florist Co., 324 Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—F. R. PIERSON, Tarrytown, N. Y., Pres.; FRED W. VICK, Rochester, N. Y., Vice-Pres.; H. B. DORNER, Urbana, Ill., Sec'y; WM. F. KASTING, Buffalo, N. Y., Treas. Next meeting at Rochester, N. Y., August, 1910.

THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at Boston, Mass., March, 1911. FRED. BURKE, Pittsburg, Pa., President; A. F. J. BAUR, Thirty-eighth St. and Senate Ave., Indianapolis, Ind., Secretary.

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at New York, March 16-18, 1910. AUG. PORHLMANN, Chicago, President; BENJAMIN HAMMOND, Fish-kill-on-Hudson, N. Y., Secretary.

AMERICAN PEONY SOCIETY.

Seventh annual meeting at Horticultural Hall., Boston, Mass., June 1910. B. H. FARR, Reading Pa., Pres.; A. H. FEWKES, Newton Highlands, Mass., Sec'y.

Our Supplements.

Subscribers should see that they get copies of the fine supplementary illustrations showing high grade design and decorative work. These fine supplements appear with each issue and should be carefully preserved, as they mean much to the retail florists in dealing with their customers, illustrating as they do the various kinds of work that the everyday florist is called upon to perform.

The papers in which the supplements appear should be likewise preserved, as they contain much valuable data with regard to these special illustrations. Subscribers should see that they get every issue as otherwise they may miss some of this high grade work.

THE WEEK AT PEACEFUL VALLEY

By The Optimist.

Seasonable Work.

The past week has been given up to seasonable work, as potting up the rooted carnation cuttings, making up the first batch of chrysanthemum cuttings (new varieties) and shifting some 2-inch geraniums into larger pots. We are following the usual procedure, hereabouts, with our young carnation stock, which consists of potting on to 2-inch from the sand, and then, when well rooted through, planting out in flats, about three inches apart. This method works well and gives good healthy stock for planting out the end of May. We find ourselves overstocked with geraniums this year, having propagated a lot for fall sales. The fall sales proved a minus quantity, and we now find ourselves hard pressed for room. It looks as though we would have to carry them through for May and June sales. Memorandum for next year: "Grow only enough geraniums for retail sales." At the best prices obtainable there is no profit in them for us, and if overstocked the surplus must be sold far below cost. We don't like that kind of a crop at Peaceful Valley. How many of my readers can tell just what it costs them to grow 1,000 geraniums from October 1 to May 30? Will some of those not specialists please answer this inquiry. The geranium factories need not answer. I take it for granted that they find some profit, or they would grow something else.

The Meat Boycott.

The whimsical protest of the people against the high prices of meat is now in full swing, all over the country. It is a good thing, in two ways: It voices a warning to the representatives of the people in the house and the representatives of the trusts in the senate, that the aforesaid people are getting restive, and it also will show us that we can get along with much less meat, and still remain healthy and happy. But, as affecting the meat trust, it will probably result in their profit. Every reduction they may be forced to make, as a result of this agitation, will be taken out of the

cattle raiser, or out of the consumer, finally, and threefold. They have the power to fix the price and they do so. At the time of the big coal strike, the coal trust, after government intervention, compromised with their men, and gave them about nine cents a ton more for mining coal, at least that was about what it amounted to. The consumer has been paying at least \$1 a ton more ever since. It was necessary, you know, in order to pay the advanced wages. The eastern railroads are now considering a raise of about 10 per cent in wages of their employees, but they wish to advance freight rates from 20 to 30 per cent, so that they can afford to do so. Eat meat or refrain from meat, as it seemeth to you good, but don't for a minute think that the meat trust cares particularly, except as the agitation may force legislative or court action.

Wonderberry or Blunderberry.

I notice that, despite the hue and cry raised last year against this plant of Burbank origin, the introducer is pushing it this season, harder than ever. This speaks well for his courage, and few will dispute that J. L. C. has also a fair share of discretion. We have this plant, at Peaceful Valley, but confess that we have never given it much attention or a fair test. When it first fruited, we did not like its taste, and being neglected, the plants soon became choked with weeds. Later, some of our neighbors informed us that the fruit, after remaining on the plants two or three weeks, became quite palatable, and was especially fine for pies. So I do not really know whether this new fruit is a wonderberry or a blunderberry. But that it is the common nightshade or that it is poisonous, I do not believe. As a yielder of fruit, it is certainly a wonder. Next season we shall give this plant a thorough test and satisfy ourselves whether it is a wonder or a blunder.

How all the little dogs did bark and snap at Luther Burbank, when the first unfavorable reports came in. It was a good chance and they improved

it. "The Optimist" has known Luther Burbank, lo, these many years. He knew him when many of these critics were probably in the kindergarten, or should have been. While I never placed him on a pedestal, or joined in exploiting him as a marvelous "wizard" of horticulture, I did know him as an honest man and a tireless worker. I can not believe that all this magazine "gush" has so turned his head as to completely change the nature of the man. To those who think that the book of Burbank is closed, I would say: "Wait until the final chapters are written."

THE ROSE.

WM. H. ELLIOTT, Brighton, Mass., says he will discard Richmond for Rhea Reid, the latter producing better stems and more blooms with him.

Propagating.

It is now time to turn our attention to the propagation of the young rose stock by cuttings. In our last article we gave a detailed account of propagating by the grafting method, so we will now endeavor to offer a few timely suggestions in reference to rose cuttings. In almost every section of the country we may find excellent stock grown on own roots; this we think is due chiefly to the soil, which must be especially adapted to the culture of own-root stock. At all events where such soil is found there is little need of grafting and as there is a general demand for good stock on own roots as well as for grafted stock it is quite essential to be ready to offer the trade only one grade of stock, the best, and in order to do this a thorough competent man must be put in charge of the propagating house and kept there.

To begin with the benches in the propagating house should be thoroughly overhauled. If it should be a wooden structure remove all the boards showing decay. If new benches throughout the house are required we would suggest replacing the wooden benches, using a bench with a bottom made of bricks. A bench of this kind will last many years and it is a simple matter to construct it. The very cheapest grade of bricks (that are not burned too hard) will answer every purpose. If the bench is to be built against a wall (that is a side bench) begin by spiking a row of 2x3 bench legs against the wall. Then measure off the width from the wall desired to make the bench, and stretch a line for the outside row of bench legs. The legs should be about four feet apart, and they should rest on cement piers. After cutting the legs to correspond in height with the row against the wall, nail a 2x3-inch Georgia pine cross-piece from one post to the other. This forms a bridge for the stringers. Now take some strips one inch square and cut them in 9-inch lengths and nail them against the wall over the posts. Against these strips and resting on the cross-pieces nail a 2x3 scantling, running it the full length of the bench. A 6-inch board resting on this scantling and nailed to the back strips will furnish the back to the bench, leaving an air chamber behind



WM. F. KASTING.

Treasurer-Elect Society of American Florists.

the bench which should be tightly closed at the top by nailing a 1x2-inch strip over the opening the full length.

We are now ready to finish the bottom. Take another 2x3-inch scantling and run it the full length, but, before nailing it, take a brick and place it against the stringer at the back and move the next stringer out far enough so that the brick will rest on half of it—and so on until the bench is of the width desired, leaving the last row of bricks fair with the outside row of posts and covering the outside stringer. A face board can now be nailed on, using either a 12 or 9-inch board as desired, letting the facing project about four inches above the bricks. This will allow four inches of sand in the bench when finished. Place the bricks flat side down on the stringers and as close together as they can be made to fit; then go over the whole and cement up all the cracks. Do this carefully and avoid covering the surface with cement as it would destroy the drainage which the porous brick furnishes.

We are now ready for the sand. Use a medium grade of sharp bank sand absolutely free from any vegetable or foreign matter. After filling the bench and leveling carefully, give it a good soaking and pack it as firm as it can be done; don't be afraid of overdoing this packing. Before attempting to make the cuttings be sure that the sand can be brought up to a

bottom heat of 65° to 70°, with the temperature of the house overhead 50°. This will require a curtain to retain the heat under the bench. A better way would be to board it up with thin boards with doors here and there wide and large enough to have easy access to sand and other material that can be stored underneath. Also provide a tank or several barrels sunk in the ground to furnish water for spraying the cuttings, as this should be of the same temperature as the house. Use dairy thermometers to determine the temperature of the sand; these should be placed 10 or 15 feet apart.

Select only perfectly healthy and clean wood for the cuttings. On almost any of the varieties an abundance of heel cuttings can be procured which make excellent stock. A heel cutting is a short growth of three or more eyes cut off where it joins a previous growth and they should be just about ripening up at the tips to strike easily. Do not take off the wood too close at this season as the very best of wood is obtainable in February. Sprinkle the wood often, laying it on clean paper in a cool place where the cuttings are to be made up, and do not take off more wood than can be easily made up before wilting. Also place the cuttings in the sand soon after making them, keeping them sprinkled constantly. The Killarneys, both pink and white,



H. B. BEATTY.

Retiring Treasurer Society of American Florists.

throw very little blind wood, so if one desires to get up a large stock of these varieties it is necessary to use flowering wood. Select the wood as soon as the buds show color, using the short, slender stems of uniform ripeness. The same must be done in reference to evenly ripened canes when taking American Beauty cuttings, only, in the latter case, the canes may be apparently blind but not too long between joints. Killarney and Beauty cuttings can be made up into two sized cuttings, taking off the leaf above the lower eye and making a clean slanting cut just below the bottom eye, nearly touching it. Do not trim the foliage too hard. A little room may be saved by doing this but it is not necessary otherwise.

The average cuttings from Bride, Bridesmaid, Richmond, Killarney, My Maryland, etc., can be placed about one inch apart in the rows and far enough between the rows to allow a free circulation of air; about three inches will be right. The Beauties will perhaps take more room and should be placed so that the foliage does not overlap. Use an old table knife with a 3-inch blade to open up the rows and try to open up the sand about the same depth. The cuttings which are to be planted will vary somewhat according to the size they are made. They should be packed firmly with the finger tips after placing and labeled carefully. If any part

of the sand reaches a temperature of 70° this is about right for My Maryland. Give the sand and cuttings a good soaking after putting them in and syringe or spray them overhead on all bright days, doing this early. If the house is to be used throughout the season for propagating a permanent shade can be put on the glass, but for the best results we strongly advocate the use of cheese cloth or common cotton cloth arranged so it can be drawn up or down on wires, to be used on bright days and removed during cloudy weather. The shape of the house will suggest an idea of how this cloth shading should be arranged and it will be found to work with great satisfaction after the cuttings begin to make roots, for they can then stand some light late in the afternoons on clear days, which will in a measure cause them to receive less of a check when being potted off before they become established. They should be ready to pot off in from 21 days to four weeks, according to the weather and attention given them.

E.

WESTPORT, CONN.—Edwin B. Jennings has been stricken with hemorrhage.

FAIR RIVER, MASS.—The G. L. Freeman Co. has been incorporated to raise and deal in orchids. Geo. L. Freeman will be president of the new corporation.

Roses in the South.

The past fall and the winter so far have been exceptionally clear and cool, even the inevitable warm spells being dry and of very short duration. The roses, consequently, have made vigorous growth and produced fine flowers. As the days lengthen the plants will require rather more water and plenty of fertilizer. The teas and hybrid teas are throwing up numerous ground shoots and for these to develop proportionate flowers plenty of fertilizing is necessary. Use the bone flour, blood, sheep manure and manure water as directed in former articles. American Beauty will probably require a little special treatment. If the shoots are growing strong, rank and threaten to reach the glass they can be stretched across the bed and trained up another stake. Where the foliage touches the ground it can be removed and so avoid damage from black spot. Keeping the beds on the dry side for a couple of weeks or even longer has a tendency to develop buds on the shoots, after which plenty of water and fertilizer are in order.

The most fruitful source of black spot in the south is leaky roofs. American Beauty is very sensitive to drip and where this cause is eliminated black spot hardly ever develops. Of course, a serious check of any kind may bring it on but where the roof and gutters are good there is little to fear from it. The ventilators will require close watching now especially in the morning so that old Sol may not steal a march on the grower. As soon as the thermometer reaches 65° the ventilators must be raised slightly and no other work must interfere with this operation. Raise them by degrees as the thermometer rises and lower the same way in the evening as it falls. Thrips is very liable now to show up at any time and it is better to take precautions against it than try to kill the insects after they have nearly ruined a crop. Use red pepper on the punk papers or distribute pyrethrum powder with the bellows. This is generally a persistent enemy in the spring but he can be effectually checked by using either of these remedies.

WM. LEAR.

Roses for Easter.

ED. AMERICAN FLORIST:—

I have a house of field-grown Kaiserin and Killarney which I would like to get in bloom for Easter. The plants were lifted in November and planted on raised benches in a temperature of 50° until they showed root action and broke, then the night temperature was raised to 58° to 60°. The plants are clean and healthy, but fail to make heavy growth or break at the roots.

SUBSCRIBER.

We would have preferred a lower temperature for the roses lifted in November, which would have kept the heads dormant until the new year, when they should have been cut back fairly hard and started at 50°, gradually raising the temperature as the growth developed until 58° was reached. "Subscriber" should even now cut back any growth that appears to be breaking weakly, look after the

roots carefully and avoid overwatering, and probably with the increased light good bottom shoots will be produced. There is still time to get them in for Easter without undue forcing. G.

Holding Over Roses.

ED. AMERICAN FLORIST:—

We have a bench of roses here in the second season doing well. Is it worth while leaving them in the same bench for three seasons. I know some florists advocate three and four seasons, but I have never heard the results. Any information you can give me will be appreciated.

G. T.

If the plants are healthy and of varieties it is desirable to grow there is no reason why they should not be held over another season if properly pruned and mulched with rich soil during the summer.

G.

Baby Ramblers for Easter.

ED. AMERICAN FLORIST:—

Is it time to pot up Baby Rambler roses for Easter?

Yes. Forcing will have to begin pretty soon if they are to be on time.

HACKENSACK, N. J. — Frederick Kuhnert, of Kuhnert & Son, believes he has solved the problem of aerial navigation. He tried out a model a short time ago and the success it made induces him to construct a regular sized machine on which he is now working.

THE RETAIL TRADE

Plant Baskets.

SEE SUPPLEMENT WITH THIS ISSUE.

The high prices that cut flowers reach during such holidays as Christmas and Easter have led to a greatly increased trade in plants, not only in individual pots but in the form of plant baskets which now form a considerable portion of the retailers' stock at such times. There is no more acceptable gift than a nice plant basket, for, unlike cut flowers, the plants, if judiciously selected last a long time, while they show a nice profit to the retailer. Leaving out the most expensive class of plant there are many that, with the addition of a little ribbon and a basket can be turned into good money with very little trouble or expense.

The foliage begonias are more grown the last few years than they have been and there is evidence that these pretty plants will, in the not very distant future, return to something like their old-time favor. This is not to be wondered at for they are easily grown, very attractive and last well in good condition. Primula obconica is also cheap and continues to flower over a long season and though the smaller roses and azaleas cannot be said to be long lasters they add a touch of bright color and are very attractive. In making up baskets of this kind the retailer should carefully steer between Scylla and Charybdis by

avoiding overcrowding on the one hand and a too thin arrangement, that will not be satisfactory to customers, on the other. Although we hardly like to say it there is probably less risk in overcrowding than the other way, when viewed from a commercial standpoint but from an artistic point of view it is the other way around. Most of us, however, are in the business for the money there is in it and not with a view to educating the masses, so, while keeping the artistic side to the front as much as possible, we have, perforce, to look after the customers' likes and dislikes first.

Flowers in the Chicago Stores.

All the principal retailers report very fair business and the worst trouble has been to secure good stock in sufficient quantities to meet the demand for good funeral work. Roses have been showing of excellent quality in all the popular varieties, but the supply is extremely limited. Killarney has been in strong force and it is difficult to see how this fine rose could be replaced. White Killarney has been the most plentiful of the whites, Bride being very short in supply. Mrs. Jardine has been in its best form and My Maryland has also been well shown. Good Richmond has not been over plentiful and the rush of American Beauties, which occurred during January, has ceased, they being on the short side now.

Carnations have helped out considerably, there having been good stock in



INTERIOR OF THE RETAIL STORE OF A. W. SMITH CO., PITTSBURG, PA.



BASKET OF AZALEA, PRIMULA, RAMBLER ROSE AND BEGONIA.

all the most popular varieties, good red being the most difficult to obtain. Carnation or McKinley day did not cause any great rush for this flower, the day being about the same as an ordinary Saturday. Easter lilies have been plentiful and good, and they have been extremely useful in the better class of funeral work. Lily of the valley is also much more plentiful, but, in common with violets, gardenias and other flowers for street wear, have not sold any too well. Sweet peas are on the short side and it has been difficult to get enough of good stock. Tulips are excellent and have been of great assistance during the scarcity of roses. Greens are somewhat scarce and retailers have found the fir branches (sent out as a new cypas) very useful, as they are bright and clean and last well. Plants are being shown more prominently than usual at this time and there are good cyclamens, azaleas, begonias, primulas, and other popular kinds.

Azaleas After Flowering.

ED. AMERICAN FLORIST:—

Please tell me what treatment to give azaleas after flowering, also the proper time to trim them into shape.

A. E. P.

Whatever trimming is necessary should be done immediately the flowers are over and before the plants have made any new growth. The plants that were imported this season are usually in good shape and need little trimming. After this the plants should be placed in a moist greenhouse to make their growth and frequently sprayed to keep red spider and thrips in check. By the end of May, in a cool house, the growth will probably be finished and the plants can go outside to a shady position in order to set their buds. They should remain here until the approach of frost when they must again be housed for flowering. Keep the roots moist at all times but do not water more than is necessary to do this as the roots are very small and will not stand extremes either way.

Packing Sweet Pea Blooms.

ED. AMERICAN FLORIST:—

I should like to know the best method of packing sweet peas to be sent to distant markets, say 150 miles.

A. J. Y.

After picking and tying in bunches of twenty-five flowers each they should be placed in water for a few hours, and when preparing them for shipping the stems should be wrapped with damp tissue paper. Pack in shallow boxes, which should be lined so as to exclude the air. In no instance will sweet peas shipped a distance be as good as local stock.

D.

Remedy for White Fly.

What is the best remedy for white fly?

Fumigating with hydro-cyanic-acid gas is generally admitted to be the best remedy for this pest.

DAVENPORT, IA.—J. W. Davis started on a trip through northern Texas, February 1.

HALF HOUR CHAPTERS FOR FLOWER GROWERS

Asters.

A good bench or two of white and pink asters are always useful to the retailer with a regular demand for funeral work and seed should be sown at intervals from now until the end of March, when sowing for planting outdoors is in order. Frequent transplanting is good for asters, as it produces a good "wig" of fibrous roots that will take plenty of feed later in the season. Clear a space on a bench large enough to take sufficient seed to produce as many plants as are likely to be needed, allowing say 300 plants to the square foot. This admits of sowing moderately thin and is better than very thick sowing, as the plants will be sturdy and stout from the first. Rake the soil down fine to produce a good seed bed and then water thoroughly, sowing the seed as soon as the superfluous water has drained away. Cover first with a little light, dry soil and then with papers or mats to exclude light. After the first five or six days the covering should be lifted every morning and removed entirely as soon as the seeds are seen to be germinating. Let the plants have the full light from the first and they will soon be large enough for transplanting to a bench at about two inches apart each way. Here they will thicken out and may grow until the benches can be made ready, when plant firmly at eight to 10 inches apart. If the plants were pricked out on the same bench that is to be used for growing them in, it will be advisable to thin them to the requisite distance, transplanting the spare seedlings only. The Queen of the Market varieties are earlier than the branching kinds and may be planted rather more closely. Both are supplied in separate colors or mixed, as desired, but the former is best for the cut-flower grower, as he can select colors best suited to his demand. The single varieties have come to the front considerably of late years, and they produce a large number of artistic and pleasing flowers. They are very easily grown and a bench of them early or a border outdoors should prove profitable.

Antirrhinums.

For late flowering inside and for planting outside in May the present is a good time to sow antirrhinums. These give a great quantity of flowers in the open if sown early enough, and the plants looked after carefully until ready to plant out, but, if sown thickly and allowed to run up to flower, either in the seed bed or after being pricked out once, they are useless. The best way is to sow in the greenhouse and transplant once for the plants to thicken out a little; then pot the plants for outdoors singly in 3-inch pots and run them cool in a protected frame until the quarters can be prepared for them outdoors. If more convenient, they may be planted in frames with about four inches of soil on a hard bottom, from which they will raise easily and transplant even better than

from pots. The one thing to keep in mind is to keep them in a good light with abundance of air and a fairly low temperature. This will keep the plants growing gently and the growth solid. They need rich, light soil when planted outdoors in order to get long stems.

Sweet Sultan and Cornflowers.

In order to have early flowers of sweet sultan sow now and plant the seedlings on a bench when ready. There is always a call for the pretty flowers of this plant, and as it will grow practically anywhere not much valuable space is needed. It is too early yet to sow for outdoor plants, but even for these seed should be sown earlier than most things, as the plants flower more profusely and throw larger flowers when the weather is cool than after the heat of summer sets in. If a shady place can, however, be given them, the plants continue in good shape well into the summer and the flowers produced under such circumstances are particularly fine and delicate in color. Much the same treatment should be accorded the blue cornflower, which is also a popular flower early in the season and, like its near relative just mentioned, does not relish the very hot weather. The real blue is the only one worth growing, the other colors being washy looking and undecided, while the white is white only in name. There is a double form of the blue cornflower now being offered by seedsmen. It may not be as beautiful as the single, but the flowers last extremely well and those who like novelties should try it. It is certainly one of the best plants for cut flowers outdoors early in the season.

Coreopsis.

One of the older writers on horticulture said years ago that no garden was complete without coreopsis, having in mind the pretty little annual *C. tinctoria*, a remark that was quite true at the time and carries some weight today. But the cut flower grower will prefer the larger flowers of *C. grandiflora*. When plants of this species were raised from seed as described last autumn they will be good stock now and ready for planting on the benches. Grow them along quite cool as it is a hardy plant and does not relish forcing. If annual varieties are wanted *C. Drummondii* and its varieties are better than the small flowered species named above and seed sown at once in a cool house and grown as described for other annuals will produce abundance of flowers in May before they can be obtained outdoors.

MOUNT PLEASANT, IA.—S. Palmer has secured the post of superintendent at the State hospital. He has had considerable experience in the formation and laying out of parks and gardens in this country, England and Italy, and the authorities have made a good choice from the number of applicants for this position.

THE CARNATION.

Carnations at Pittsburg.

Among the newer carnations at the Carnation Society's convention at Pittsburg, Hoosier Lad, the gold medal winner, is a grand intense scarlet, bright enough to show off to fine advantage. The form and especially the substance are good and a grand stem carries the blooms erect. This variety and Alma Ward were right to the front as the best vases of blooms in the show. It was shown by Fred Dorner & Sons Co., Lafayette, Ind.

Seedling No. 1400E is a beautiful, well-formed flesh pink; the color of this variety is particularly good. It is large, with good stem and grand texture to petalage, the winner of the silver medal. It was shown by R. Witterstaetter, Cincinnati, O.

White House is a very large, glistening white on the order of White Enchantress, but larger. A few of the blooms in this vase were a little past their best. The winner of the bronze medal, shown by Dailedouze Bros., Flatbush, N. Y.

Anna May is a light flesh pink bordering on the rose, and was given a certificate of merit. It was shown by the E. G. Hill Co., Richmond, Ind.

Rainbow is a closely built flower of the Prosperity type, with a better stem, but not as large a flower as the old variety. Shown by Wa-no-ka Greenhouses, Barneveld, N. Y.

Bright Spot, from Nic. Zweifel, N. Milwaukee, Wis., is a fine looking commercial variety; the color a bright cerise.

Mrs. C. W. Ward is a well-formed rose pink shading to the Lawson color and was shown by the Cottage Gardens Co., Queens, N. Y.

Miami Queen is a bright rose pink, but it arrived in poor condition. It was shown by Miami Floral Co., Dayton, O.

Seedling No. 40 is a beautiful bright rose pink, the size of bloom, stem

and petalage extra good, but many of the flowers, as shown, were a little faded at the edge of the petals. It was shown by F. R. Pierson Co., Tarrytown, N. Y.

Dorothy Gordon is a deep rose pink resembling Rose Pink Enchantress, but deeper in color and of better form. Shown by Jos. Heacock, Wyncote, Pa.

Superba is a heavily fringed flower, rose, pink in color, but the flowers arrived in poor condition. It was shown by A. C. Brown, Springfield, Ill.

Admiration is a light pink, in color between rose and flesh pink, of good form and size. It was shown by Chas. Knopf Floral Co., Richmond, Ind.

Alma Ward is a finely formed white with good stem; the flowers showed traces of pink, otherwise this was a fine vase. It was shown by the Cottage Gardens Co., Queens, N. Y.

No. 214 is a white with traces of pink; a large flower and good calyx, stiff stem, but a little weak on petalage. It was shown by the Wa-no-ka Greenhouses, Barneveld, N. Y.

No. 303 is a fine flower of the Prosperity type and looks good as a commercial sort of this type. It was shown by Dailedouze Bros., Flatbush, N. Y.

No. 607 is a light flesh pink shading to salmon. Shown by W. N. Rudd, Morgan Park, Ill.

No. 1407-O is an improved Afterglow, having more petals and a more pleasing color. It was shown by R. Witterstaetter, Cincinnati, O.

Spellbinder is a very deep pink; it, arrived in poor condition and was shown by the E. G. Hill Co., Richmond, Ind.

Mrs. Beckwith is scarlet, a fine bright color, but a little small for present day requirements. Shown by the E. G. Hill Co., Richmond, Ind.

No. 2807-A is a fine large crimson, a brighter color than is general in this class; shown by W. N. Rudd, Morgan Park, Ill.

Mrs. Walter W. Coles is crimson, bright, lively color of this type; it looks to be good commercially for

this color, and was shown by W. W. Coles, Kokomo, Ind.

Columbia is a crimson, but too weak in stem for any use; shown by Wagoner Floral Co., Columbia City, Ind.

Red Prince is a bright red, but not good enough to travel in this class; shown by Backer & Co., Billerica, Mass.

Scarlet Glow is a fine scarlet, on the order of Victory, but of better form; shown by Fred Dorner & Sons Co.

Mrs. Thomas Harvey has dark pink, finely formed flowers; it looks good in color and form; shown by Cottage Gardens Co., Queens, N. Y.

No. 34 is a dark pink with good stem, bright color and fine form, but a little ragged on the edge of petals; shown by A. L. Enggren, Aqueduct, N. Y.

Sangamo is a pretty bright rose pink, good stem and form of flower; shown by A. C. Brown, Springfield, Ill., and the Chicago Carnation Co., Joliet, Ill.

Conquest is a variegated, on the Prosperity order; shown by the Chicago Carnation Co.

Toreador is of the Prosperity type, but with very intense pink shadings; it was shown by H. Weber & Sons Co., Oakland, Md.

Mary Tolman is deep salmon with good stems; shown by Chicago Carnation Co.

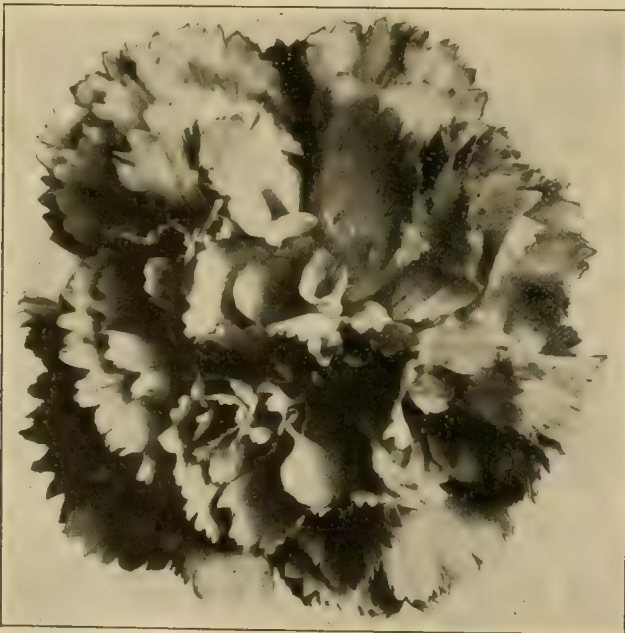
No. 4206 is flesh pink, an improved Pink Delight in every way; shown by Fred Dorner & Sons Co.

Greenwood is salmon pink, extra large flower, strong stem; suffered in transit; shown by W. N. Rudd.

J. Whitecomb Riley was the only yellow on exhibition, clear in color, but lacking in form; shown by the E. G. Hill Co.

Niagara looks like a good commercial white, resembling White Lawson; good stem and clear color; shown by the E. G. Hill Co.

No. 68-06 is a fine white, clear and pure, good stem, with lots of substance to the petalage; shown by Fred Dorner & Sons Co.



NEW CARNATION SANGAMO.
Raised by A. C. Brown, Springfield, Ill.



NEW CARNATION WASHINGTON.
Dark Pink Sport of Enchantress.



PITTSBURGH CARNATION CONVENTION VISITORS AT FRED BURKI'S PLANT, BAKERSTOWN, PA., JANUARY 28.

Norwood is a large fringed white, a little weak in the stem; shown by Robt. Craig Co., Philadelphia, Pa.

No. 168 is a deep rose pink, good stem, fine form, pleasing even color; shown by Finleyville Floral Co., Finleyville, Pa.

No. 653 is a fine large crimson, a little dark in color, but with fine calyx and form; shown by Baur & Smith, Indianapolis, Ind.

Shasta is a fine fringed white, good form, calyx and stem; looks very promising for commercial purposes; shown by Baur & Smith.

The Pittsburgh Cut Flower Co. staged fine vases of Winona, Mrs. T. W. Lawson, Afterglow, Beacon, O. P. Bassett, Winsor, Pink Delight and White Enchantress not for competition, all of the varieties showing remarkable cultural skill.

The Lamborn Floral Co., Alliance, O., showed fine vases of standard varieties and a mixed vase of promising seedlings.

The display as a whole was remarkable for its general excellence, not a poor vase of blooms in the show, though one particular feature was the lack of white varieties in comparison with the colored varieties, the flesh and rose pink predominating, closely followed by the scarlets.

C. W. JOHNSON.

The Kroeschell Carnation Measure.

ED. AMERICAN FLORIST:—

Referring to the new carnation measure which we are just getting ready, several years ago the writer circulated among the florists of the country, the Kroeschell carnation measure, which is so well known. This measure was four inches in diameter. At that time there was no carnation that would entirely cover the measure, and when asked why the measure was made so large, he stated: "I want to set a mark for the growers to work to, and I am sure that many will make the effort which will result in finally covering the disc."

The prediction of the writer has come true. In an issue of your journal following the last carnation convention, we note a grower showing a

photographic reproduction of one of his carnations completely covering our carnation measure, and we certainly wish to congratulate that gentleman from the bottom of our heart. Today we set a new mark. Our new carnation measure has been increased to five inches in diameter, and while this may seem to be asking a great deal, yet, we feel that the growers are moving forward steadily and surely, and that with this new mark continuously before them, some growers will in time put even this 5-inch carnation measure out of business. To help the good work along, we offer as a special inducement a prize of \$25 in gold or a beautiful gold medal of equal value, to the grower who exhibits the best dozen of carnations at either of the following shows, covering the new carnation measure of five inches in diameter.—National carnation show, Pittsburg, 1910, Chicago flower show, 1910 and the National Flower Show, Boston, 1911.

KROESCHELL BROS. CO.

Carnations in the South.

These are now in full crop. The cool weather the last month has been of great value in hastening the growth and improving the quality of the flowers. Strict attention to routine work is the order from now on. The plants have to be disbudded and kept neatly tied up, and these two operations must be attended to as soon as needed to get the full benefit from them. Avoid as much as possible extremes in temperature. The varieties grown in the south will do well at 50° at night, but it is well to get them two to four degrees warmer to equalize, or rather neutralize, the changes of temperature. Ventilate freely and, if possible, keep a little air on when firing except on very cold nights. The plants will stand quite a lot of feeding now. A good mulch is made of half soil and half cow manure, with a good sprinkling of bone flour, and this can be applied roughly between the rows. Pulverized sheep manure is also excellent, and a watering with liquid manure

once in two weeks will be of benefit. Later in the season the manure water may be given every week or oftener, but at this time it is better to let the roots do most of their own hunting. Too much manure water, combined with poor ventilation, is apt to blight the flowers by causing a rot in the center.

Red spider and thrips are the two insect pests to keep a close watch for. One or two good syringings every week, done thoroughly with a good pressure and a fine spray, will keep the spider down, but no part or corner of the house must be neglected. Do this early on bright days and pick the flowers as close as possible before doing so. For thrips use red pepper along with the fumigating material and they will give little trouble. The early spring is generally the time thrips is most troublesome, and the insects must be cleaned up or they will soon clean the crop up. Cuttings, to make strong plants at lifting time, ought to be in the propagating bench now or rooted. Take the cuttings from the best flower stems, avoiding the extreme top and bottom cuttings. No bottom heat is required; just keep the temperature the same as the plants grow in. Some growers prefer small plants at lifting time, claiming that they transplant better than large ones. A large plant has just as many roots in proportion to its top as a small one, and if the same care is exercised in the lifting and planting, the danger of loss is no greater in the one case than in the other. WM. LEAR.

Rooting Camellia Cuttings.

Please give the best method of rooting camellia cuttings. Can it be done in pits, and if so kindly give best method?

R. C. T.

Camellia cuttings root rather slowly, but, otherwise, this method of propagation is satisfactory. Make the cuttings at once of the semi-ripened shoots of last season's growth. Place them in pots of sand in the pit and keep moist or, if more convenient, on the greenhouse propagating bench. Cool, moist conditions are most favorable.



Chrysanthemum Arlee.

CHRYSANTHEMUMS

Timely Work.

Those interested in the sale of plants and cuttings are busy inserting cuttings in the sand; in fact, this work has been under way for some time. There is plenty of time for those whose chief object is to produce prime commercial stock. All that requires their immediate attention is looking to the welfare of the stock plants, propagating such kinds as are slow to respond, and those where the stock is so limited as to require extra exertion to have the required number by planting time. The purchase of such novelties and standard sorts as are to be given a trial next season will require early consideration. The exhibition grower usually makes his deductions at the time of the shows and so those whose interests center in this direction have arranged the line-up for the 1910 campaign. The cuttings will soon have to be made and doubtless many of the private gardeners have them now under way. Cuttings for large specimen plants will need to be made at once. **ELMER D. SMITH.**

Stock Plants and Cuttings.

Working over the stock plants preparatory to propagating should now receive attention. If the plants are stored away under the edge of the benches or in shady places they should be brought to the light, cleaned up and given a general overhauling, at the same time making sure the soil is well firmed around the roots. They need plenty of light, with a night temperature of 45°, a rise of 5° during the day and free ventilation on every favorable occasion, fumigating regularly as a preventive for aphids. The plants should be held a little on the dry side, watering only as necessity demands to prevent wilting and the wood becoming hard. Any new or rare varieties, of which the stock is short, can be planted on a bench near the glass in a warmer house. The soil for this purpose should be very light

to insure quick root action and, as soon as the growth has advanced enough to make a cutting, it can be taken off, after which in a short time the plant will throw up several growths which can be propagated as they get into fit condition. By following this up several batches can be taken off and grown into good plants by planting time.

The time for putting in the cuttings is governed by the varieties grown and the class of stock wanted. Exhibition varieties intended to be grown on in pots or planted in the benches early in May for exhibition cut blooms should be propagated at once. Take the large Australian exhibition varieties for examples. To get these full, solid blooms at their best the cuttings will have to be got under way without delay. During February is the best time to put in the pink and white Ivory, Mrs. Jerome Jones and its sports, and others that are hard, short-jointed growers. March is the best month for propagating varieties that are intended for exhibition in large bunches, such as



Chrysanthemum Itaska.

vases of 25 and 50 blooms. The time for planting this stock into permanent quarters is around May 20, therefore plants propagated in March and grown along steady will be in the best possible condition for planting at that time. March is also the best time to start the first batch of the early varieties, such as Polly Rose, Monrovia and Pacific Supreme. Timothy Eaton, Yellow Eaton, Col. D. Appleton and Dr. Enguehard, where they can receive plenty of head room in their permanent quarters, give best results also from March struck cuttings. April propagation will give the best results for late October and early November commercial stock, also for W. H. Chadwick, Yellow Chadwick, Golden Wedding, Mayor Weaver and Maud Dean. The cuttings of the late varieties should be timed to go in the sand around April 15-May 1, which will give them ample time to make fine stock for planting the latter part of June or early July.

C. W. JOHNSON.

Elmer D. Smith's Novelties for 1910.

COMMERCIAL VARIETIES.

Donatello.—While this variety is not a counterpart of Monrovia, it is in many respects an improvement; the color is bright yellow, slightly incurving with good stem and foliage and excellent substance. It is especially suitable for those who bench their plants late as it produces double flowers from late buds. It grows 3½ feet high and is fully matured October 20. The best time to take the bud is August 20. It has been awarded a certificate by the Chrysanthemum Society of America.

Oroba.—A large early white in the way of Beatrice May being of the easiest culture with fine stem and foliage. It may not excel Beatrice May in size but its other splendid characteristics are so much superior that it will soon gain ascendancy with the commercial grower. It grows three feet high and is ready October 20. Take buds August 15.

Tonkawa.—Deep golden yellow Japanese reflexed with bronze shadings. The foliage is produced very close to the bloom and the stem is the very best. Those requiring a midseason golden bronze will not be disappointed. It grows four feet high. Best bud September 1; ready October 25. It was awarded a certificate by the Chrysanthemum Society of America.

EXHIBITION VARIETIES.

Naomah.—Large Japanese incurved, a seedling from Merza, more conical in form than its parent. This variety was not judged by the C. S. A. committee, but E. D. Smith & Co. have decided to send it out on its merits as a worthy addition to the exhibition section. If the stem were a little more rigid this would be an ideal commercial sort as it possesses every other qualification and may prove very acceptable to those who plant early and give generous treatment. It is pure white, grows four and a half feet high and is ready November 1. The best bud is Aug. 25.

Randee.—A large, ball-shaped Japanese belonging to the exhibition section. The early buds come pure white and the later ones are shaded pink;



Chrysanthemum Clorinda

petals toothed at the extremities and rather irregular in their arrangement. Take the bud August 25. It grows three and one-half feet high with heavy stem and foliage. It was awarded a certificate by the Chrysanthemum Society of America.

Adonis.—A light pink of a slightly deeper shade than Gloria. The narrow petals reflex and interlace forming an artistic bloom of the largest size in which the depth exceeds the diameter. It grows five feet high. Best bud August 25. Also certificated by the Chrysanthemum Society of America.

SINGLE VARIETIES.

Arlee.—A rich golden amber of dwarf sturdy growth, excellent either as a pot plant or for cutting. Is a true single of the large flowering section producing large sprays which are borne erect. Entirely distinct and of exceptional merit. Certificated by the Chrysanthemum Society of America.

Itaska.—Properly defined this variety is a semi-double incurved, but so near single we have included it in this section. A seedling from A. J. Balfour, but a few shades lighter. The incurving petals give the appearance of pond lilies and, being a most pleasing shade is very useful for decorative work.

POMPON.

Clorinda.—A semi-dwarf producing erect sprays of an even shade of bronze. Certificated by the Chrysanthemum Society of America.

California Chrysanthemums.

The illustration herewith shows a bunch of chrysanthemums grown outdoors in California. E. V. Upton, who grew the flowers, writes: "The stems are 48 to 60 inches long with perfect foliage. I grew 1,260 flowers from 300 plants the largest shown in picture being F. S. Vallis, 13 inches in diameter (the lowest one near my waist). I should like to have a few acres of this soil and climate near Chicago to run the greenhouse men out of business."

Propagating Chrysanthemums.

ED. AMERICAN FLORIST:—

Will you kindly tell us the proper time to propagate cuttings from Golden Glow chrysanthemums to secure a succession of blooms from September 1 to October 1? The introducer of this variety states in his catalogue that this can be done and there will doubtless be others interested. We would also like to know the proper time to take cuttings of the two Chadwicks, Helen Frick and J. Nonin to secure extra late blooms of good length stem.

T. R. J.

Cuttings of Golden Glow chrysanthemums inserted during March and April and worked along as they need it can be timed to produce a succession of blooms from September 1 to October 1. The plants should be grown along in batches, using those propagated earliest for the earlier blooms and the later ones to follow. While the blooming time of the chrysanthemum is governed to a great extent by the time of propagating and it is necessary to have a well established plant for planting by June 1 to be able to get a reasonable amount of stem and growth for September 1,



OUTDOOR CALIFORNIA CHRYSANTHEMUMS.

Grown By E. V. Upton.

yet, owing to the bud formation being so free and rapid, the taking of the bud times the blooming period more than anything else. Buds taken July 20 to August 1 will mature by September 1, but at the expense of fine foliage compared with growth from buds taken later. My personal opinion relative to this is that unless the flowers are specially needed for September 1, it is much more satisfactory to take the buds August 1-15, which will allow for the flowers to mature from September 15 to October 1. Blooms developed between these dates are the equal in size and finish of flower to many of the midseason varieties, the stem and foliage being also good. For the best results with the two Chadwicks, the cuttings should be well rooted and ready for potting by April 10; the same with Helen Frick. Jeanne Nonin needs different treatment, in fact, different to any other chrysanthemum. Cuttings should be taken from the sand June 1, potted and grown along in the pots until the roots are well through the soil and planted as soon as possible, so that there is not any chance of their becoming hard and woody. They should not remain in the pots more than three weeks,

just long enough for their roots to get a good hold of the soil by the early part of July, this being the best time to plant this variety.

C. W. JOHNSON.

Leaves for Leaf Mold.

ED. AMERICAN FLORIST:—

Will you or some of your readers tell me the best way to rot forest leaves? I find rotting them in pits very slow; it takes so long that I have almost become discouraged.

R. C. T.

It takes a couple of years to rot down leaves sufficiently to fit them for use for potting purposes. If the leaves are very dry sufficient water should be thrown on them to set up fermentation, otherwise they may lie for years without decaying sufficiently. On the other hand many people allow the leaves to rot too much. A heavy close soil-like mass is not needed. Leaf mold should be sharp and rustling with partly decayed leaves, as such material keeps the soil in good mechanical order, which is its principal use, or one of its principal uses. The leaves must be trodden down firmly when placing in the pit or wherever they are to go, and of course the leaf mold must be used from the bottom when ready.

Carnation Convention Echoes.

Robert Craig, who at the banquet responded for "The Old Men," spoke of John Thorpe, Peter Henderson, Wm. Scott, Wm. K. Harris, Wm. R. Smith and Edwin Lonsdale, and concluded by singing a few bars of "The Brave Old Duke of York." The latter venture, "for old time's sake," was received with great enthusiasm, the audience joining in.

Toastmaster Falconer had to omit many important speakers, but Benjamin Hammond and Harry Bunyard found other opportunities to advance the interests of the rose and sweet pea societies, respectively, in calling attention to their coming exhibitions.

During the convention the executive committee of the Society of American Florists held several meetings. H. B. Beatty, who has held the office of treasurer for many years, tendered his resignation, and, Wm. F. Kasting was appointed to fill the vacancy.

President Pierson and party were waiting for a Bakerstown street car when a bystander came up and said: "You look like greenhousemen away from home." It developed that he was a son of John Hackett, formerly in the business in Philadelphia.

The visit to Fred Burki's establishment at Bakerstown, on Friday, was greatly enjoyed by the large number participating. The arrangements for the trip were very carefully planned and a fine luncheon was served.

President Pierson, of the Society of American Florists, and Robert Craig, of the executive committee, missed no opportunity to exploit the National Flower Show and they are at all times on the alert for suggestions.

Pittsburg street car men call off the greenhouse area of local growers in square feet as accurately as if they had been in the business all their lives.

The banquet in the new English room of the Fort Pitt hotel was a splendid affair, the music and floral decorations being especially fine.

Carl Cropp proceeded to Philadelphia and New York after the convention.

A. W. Smith's store was a wonder to many who saw it for the first time.

Eugene Dailedouze and wife went on to Lafayette, Ind.

Robert Craig left for Youngstown on Saturday.

All to the Point.

Written by Arthur Burgoyne, of the Pittsburg Chronicle Telegraph:
Where the sign "Fort Pitt," suspended
From a palace vast and splendid,
Offers standing invitation to the traveler to step in.

If today you chance to enter,
Guided by some knowing Mentor,
You will find a bow'r of loveliness to Paradise akin.

There in friendly contest meeting
And for honors high competing
Are the kings of horticulture, with ambitious pride aglow,
Each his best endeavor making
To achieve a record-breaking
And astounding grade of merit at the Prize Carnation Show.

Oh, the gems that they're displaying,
By their wizardry essaying
To excel the work of nature, as apparently they do,
Since their art today discloses
Blooms as fine as Beauty roses
And with nuances of color which Dame Nature never knew.
There's the glorious Perfection
With its snowy-white complexion
And the Mrs. Thomas Lawson with its rosy tint and, oh,

There in all its gay bravado
Is the golden El Dorado,
And the scarlet Craig illuminates the
Prize Carnation Show
There's the pink Enchantress beaming
And the Daheim darkly gleaming;
There's the Victory, the Manley and the dainty Queen Louise,
And a host of new ones render,
By their fringed and penciled splendor,
Joy unbounded to the connoisseur who
Raves o'er blooms like these.
And our town is in the running.
Hands that never lose their cunning
Vindicate the fame of Pittsburg and let all our neighbors know
That we're up in floral science
Hence with joyous self-reliance
We bid welcome to all comers at the Prize Carnation Show.

Additional Visitors.

J. J. Beck, New Castle, Pa.
Geo. Bowditch, Alliance, O.
E. Butz, New Castle, Pa.
Paul Butz, New Castle, Pa.
W. A. Cogill, Salem, O.
C. S. Crall, Monongahela, Pa.
W. Cromack, Irwin, Pa.
Miss Dollans, Portland, Ind.
Miss Donahey, Wheeling, W. Va.
Wm. Dykes, New York.
B. F. Engle and wife, Rochester, Pa.
E. Eschner, Philadelphia, Pa.
T. M. Fitzgerald and wife, Beaver, Pa.
Miss Forbes, Wheeling, W. Va.
Miss Elizabeth Frank, Portland, Ind.
W. Frank, Portland, Ind.
Jos. Haule, Charleroi, Pa.
W. R. Hill, Waynesboro, Pa.
Chauncey Huscroft, Steubenville, O.
Geo. Huscroft, Steubenville, O.
Jones, Philadelphia, Pa.
W. S. Kidd, Beaver, Pa.
L. L. Lamborn, Alliance, O.
A. Langhans, Wheeling, W. Va.
A. T. Linn, Lock No. 4, Pa.
M. Lustick and wife, Washington, Pa.
T. Malbranc, Johnstown, Pa.
C. Meehan, Philadelphia, Pa.
John Murchie, Sharon, Pa.
E. Myers, Altoona, Pa.
H. Niessner, Johnstown, Pa.
Wm. Schrader, Johnstown, Pa.
W. R. P. Stewart, Morgantown, W. Va.
John H. Tasker, Rice's Landing, Pa.
J. A. Weaver, Massillon, O.
H. C. White, Massillon, O.

To go where swollen rivers sing
In search of early sign of spring
Would be a useless step for me,
A waste of time and energy;
As all I have to do is wait
Until the postman at my gate
Some morn his thrill blast makes me heed—
And hands me catalogues of seed.
—New York Sun.

Ferns and Their Place in Horticulture.

A paper read by N. D. Stover at the meeting of the Grand River Valley Horticultural Society at Grand Rapids, Mich.

In the entire plant world there are probably no forms of growth that attract more general notice than the ferns, although they are not sought for general cultivation as much as they ought to be from the fact that their culture is not generally understood. They are very fine for conservatory fern cases or window decorations, and as single specimens in the windows and when dried and pressed add to the culture of many a domestic circle by serving as household decorations. They furnish to the botanist a broad and inviting field for investigation and he who examines their more minute structure with the microscope will find deeper and still more mysterious relations than those revealed to the unaided eye. In olden times the fructification of the common brake (*Pteris aquilina*) led to many superstitious ideas among the common people, and the older poets have woven these popular notions into our literature.

To fully understand a fern we must search where Nature has planted it, watch it as it uncoils from the bud, matures, produces its fruit and finally returns to the earth. Our native ferns comprise plants varying in height from less than one inch to six or seven feet, or even more in some few cases. Some are stout and fleshy, others are very delicate, but most of them are herbaceous. When we look to these peculiar forms of our own country, those of foreign lands, and include the immense tree ferns of tropical countries, we find our mind inadequate to cover this diversity of form. Without attempting an accurate definition of a fern, it may be said to be a flowerless plant, producing spores instead of seeds. Ferns vary greatly in their method of growth, yet each species has a plan that, within certain limits, is fixed and definite. Some, like the common brake, have their fronds ris-



PROGRESS OF THE ARTIFICIAL CRAZE.
What We May Expect Soon.

ing from more or less distant portions of the creeping root stock; others are tufted, many fronds rising in a cluster, while others grow in crowns or circles. The same species will often present wide differences in the size of the fronds. This depends to a great extent on the kind of soil and climatic conditions. In some instances some varieties under good conditions grow from two to four feet, and in other cases the same variety, under adverse conditions, will only grow from four to six inches and yet regularly produce spores; in other cases a variation is noticed in the forking of the fronds at or near the end of the branches.

We would naturally expect to find ferns reaching a maximum in size in warm swamps and shady places. While this is true we find, nevertheless, many spores growing only in rocky places, pushing their roots in the crevices of the rocks, and many often exposed to hot sun; others again are found in rocky wet places, and certain others thrive in open fields that are dry and unshaded. While moisture, shade and warmth are the best conditions to promote heavy growth, it still continues when all these conditions are reduced to a minimum. All of our native ferns which are perfectly hardy, and many of them make beautiful specimens, can be transplanted with good success late in the summer or early fall. They will thrive in almost any good rich soil, but if possible woody soil should be added. Plant them in a sheltered location, or in shrubbery on the outside of the groups, or in a corner around the house where they can be watered. Grouping is much preferred, by carefully selecting the tallest growing ones for the background and grading them down to the lowest growing ones for the front of the group, they will make a grand addition to the lawn.

I find in looking up the number of species there are in the island of Mauritius, having an area of about three of Michigan's counties, 235 species; the island of Java, 460 species; Brazil, 387 species, and Panama, 117. We find in all Europe only 67 species, and only 26 in the arctic zone. We find in coal mines that ferns and many other forms of growth have been in great abundance, and their delicate foliage is impressed in the rock above the beds of coal. The names of the principal varieties growing in Michigan are *Adiantum pedatum* (maiden hair fern), *Aspidium acrostichoides* (Christmas fern), *Aspidium cristatum*, *Asplenium augustifolium*, *osmunda*, *claytonia* (beech fern). In speaking of ferns for the house we find the Boston fern, *Nephrolepis exaltata Bostoniensis*, the very best for all purposes. It is the ideal fern and the most popular of all house ferns. It will thrive in almost any house where the temperature is above 55° or 60°. Its merits are so apparent that they appeal to us at first sight, and the sale of this one variety is probably double that of all other varieties combined. There are a great many sports from this well-known variety. Among them are *Scottii*, *Whitmani*, *elegantissima*, *superbissima*, *Amerpohli*, and many others, but each and every variety, though most beautiful and many of them just like large feathers, must bow their head to their parent, the old Boston fern. There are many small growing ferns which are used for fern dishes, for the center of tables and for stands around the room or for the sideboard. The best varieties for this purpose are *Adiantum cuneatum*, *Aspidium Tussimense*, *Cyrtomium falcatum*. *Pteris hastata*, *P. adiantoides*, *P. cretica albo lineata*, *P. serrulata* and *P. Wim-*

setti. It seems to me that ferns are so beautiful and thrive so well, even under adverse conditions, that they ought to have a large place in horticulture.

RECENT BOOKS.

The American Flower Garden.*

"The American Flower Garden," by Neltje Blanchan, is a well got up book of nearly 400 pages and 92 full page illustrations from color prints and halftones. In the chapter on "The Partnership Between Nature and Art" the authoress maintains that the landscape artist and gardener seldom get credit for their work either from poets or from their employers and do not remain in charge of their work long enough to bring it to perfection. But if garden owners would study this charming work there would be less risk of the landscape gardener's work being spoilt afterwards by well meaning people and irresponsible laborers who can do more in a week to spoil a garden than can be outgrown in many years. The text is not pedantic or stilted but runs along smoothly to speak of the adaptation of the design of the garden to its situation and describes the formal garden, wild garden and many others, the illustrations helping to show the authoress' points.

After a chapter on "The Old Fashioned Garden" a list of the surviving plants of the old New England home gardens is given and much the same system is followed after the "Wild Garden," many of our native plants with their popular as well as their botanical names being given. There are some beautiful pictures in the portion of the book devoted to water gardening and these are suggestive for planters. Trees and shrubs are dilated upon at considerable length and here again useful lists are given while bulbous plants, the "Rose Garden" and "Garden Furniture" are all well done. It is not in any sense a book for a florist but rather one for the home and garden lover to have on the table handy to dip into at any and all times and full of interest to such. Its perusal by anyone who is about to make a garden, no matter how large or how small, will prevent many of the glaring errors so frequently made by beginners, while none is so experienced in garden making but that they can find something of interest in every chapter. The price is \$5.35.

House Plants.*

"House Plants," by Parker T. Barnes, is the most recent of the "Garden Library" series and an attractive little book of 236 pages. The author goes very thoroughly into his subject and by means of suggestive illustrations and clear simple instructions in the text tells the whole story of plant culture as adapted to the conditions obtaining in the dwelling house. He describes in detail how to procure and prepare the soil, gives instructions as to potting, seed sowing, raising plants from cuttings, treatment of plants in sickness and health, watering and destroying insects. Bulbous flowers, as may be expected, come in for a good deal of attention and the instructions given are clear and to the point. The "Window Gardener's Calendar" at the end of the book is useful, as the work is described briefly, while by turning to the very complete index it is easy to locate further particulars and instructions as to

*We can supply any books here noted on receipt of price quoted.

the various plants. The work is nicely bound in cloth, finely printed and contains 30 illustrations. The price is \$1.20.

VAUGHAN'S GARDENER'S CALENDAR 1910 is a useful little publication for the pocket. It has been issued by Vaughan's Seed Store for several years and has proved very popular among private gardeners, so much so that the demand for it this season is much greater than ever before. It contains useful lists of plants for various purposes and reminders of the work to be done in each month, a space being left under each for memoranda. A host of other information is given in tabulated and other forms that cannot fail to be of assistance to any gardener.

Floral Tournament in Honolulu.

Honolulu is to have on February 22 a grand floral parade, which fact is being communicated to the people of the northwest by means of flaming posters. The Gould railway lines office at Portland, Ore., has just received one of the brilliant pieces of advertising art, depicting a Hawaiian woman on superb mount, dressed in the costume of the higher class women, and bearing the banner of the floral parade. As a piece of strong color work, this poster eclipses San Francisco's strongest Portola lithographs or the best that was sent out for the rose festival of Portland. The season when the floral parade is held is ideal in Hawaii, and a great throng of tourists will flock in there. By visiting Hawaii at this season, time is given to see the islands in proper fashion and then proceed to Japan for the famous cherry blossom season, which begins the last week of March or the first week of April.

OBITUARY.

Wallace Leonidas Scott.

Wallace L. Scott, father of C. W. Scott, of Vaughan's Seed Store, New York, died at his home at Grand Rapids, Wis., January 30. Mr. Scott was born at Clyde, N. Y., in 1838, and his principal occupation was farming. He was a Civil war veteran and in later years added a retail flower business to his farming operations. Mrs. Scott and four children, two sons and two daughters, survive. Alexander Henderson and M. Barker went on from Chicago for the funeral, which was largely attended by the local friends of the family. The floral offerings included two handsome wreaths from Vaughan's Seed Store employees, Chicago and New York.

WINCHESTER, MASS.—The greenhouses of the late George Milne on Lincoln street are to be conducted by his wife.

NORTH BRIDGTON, ME.—Chas. L. Chadbourne is building an addition to his potting shed and one greenhouse 20x50 feet.

WELLESLEY, MASS.—Thomas Heskey, who has been foreman at Tailby's greenhouses, has resigned to accept a position in Newton.

NEWTON CENTER, MASS.—M. Orcutt has purchased the greenhouses of Frank Brooks, on Brookside avenue, and will continue the business.

MARYSVILLE, CALIF.—F. Evans has taken the well-known gardens of Mrs. Mary Karr at Fifth and F streets, and will use them for trade purposes.

THE AMERICAN FLORIST

1885 TWENTY-FIFTH YEAR 1910

Subscription, United States and Mexico \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.
From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

Eastern Representatives:

A. F. FAULKNER, 1133 Broadway, New York.
ROBT. KIFT, 1725 Chestnut St., Philadelphia, Pa.

THE AMERICAN FLORIST,
324 Dearborn St., CHICAGO.

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H. B. BEATTY'S retirement from the treasurership of the Society of American Florists, announced elsewhere in this issue, will be received with deep regret by his many friends in the trade.

Personal.

John N. May and wife, Mrs. Wm. K. Harris, Mrs. Robt. Craig and Miss Margaret Harris are in Florida.

SEVEN weeks to Easter.

THERE are three candidates for the S. A. F. presidency thus far.

MAKING concrete blocks and benches is good work for bad weather.

THE National Flower Show preliminary premium list is almost ready for the printer.

GROWERS in low lying localities should be prepared for floods when the snow melts.

THE high prices generally on carnations doubtless had a good deal to do with the scant demand for McKinley day.

LINCOLN and Washington's birthdays will doubtless be taken full advantage of by retailers to make suitable window displays.

IN a reply to his critics as to his "creations" Luther Burbank, in the New York Times, says he never made any pretense that he "created" the thornless cactus. At the time of introducing the spineless cactus he said in the catalogue, "for more than 50 years I have been quite familiar with thornless cactus." He also says it was eventually agreed upon that he should "have the privilege of supplementing their inadequate annual aid"—"by the sale of any productions as heretofore."

Society of American Florists.

RESIGNATION OF H. B. BEATTY.

Owing to impaired health, H. B. Beatty, treasurer of the S. A. F., tendered his resignation at a meeting of the executive board held at Pittsburg, Pa., on January 26-28, 1910. The resignation was accepted by the board. The appointment of Wm. F. Kasting, of Buffalo, N. Y., as the successor of Mr. Beatty was confirmed. Mr. Kasting having been duly qualified according to Article II, Section 3, paragraph (d), is now treasurer of the society. The following are the resignations passed by the board:

Pittsburg, Pa., January 27, 1910.

F. R. Pierson, President Society of American Florists:

I hereby tender my resignation as treasurer of the Society of American Florists and Ornamental Horticulturists, to take effect as soon as my successor can be elected and qualified. As a large majority of the directors of the society are in the city, I trust that you may be able to get them together today or tomorrow to elect my successor, as I desire to turn over all funds of the society as soon as possible.

H. B. BEATTY.

Fort Pitt Hotel,

Pittsburg, Pa., January 27, 1910.

Whereas, The executive committee of the Society of American Florists and Ornamental Horticulturists has received the resignation of H. B. Beatty, as treasurer of the society,

Therefore, Be It Resolved, That in accepting this resignation we desire to place on record our appreciation of his long and valued services to the society and his unbounded liberality with the office. We part with him with the greatest regret which we feel sure will be shared by every member of the society. It is only our consideration for his impaired health, which

we are assured is due to overwork in his many interests, that compels us reluctantly to accept his resignation at this time.

H. B. DORNER, Sec'y.

Crops for Small Houses.

ED. AMERICAN FLORIST:—

Being a reader of your helpful paper and desiring a few suggestions in regard to the culture of flowers any little help will be greatly appreciated. I have four houses 12x55 feet heated with hot water and would like to know what I could grow that would be the most profitable for this type of house. The houses were originally built for violets but have been idle for a couple of years. From the highest point on the beds to the ridge is a trifle over six feet, although I have one house with seven or eight feet to ridge. The beds are solid, having no heat beneath the soil. They are in a good location and get plenty of light. I can run them to 60° in the coldest weather. I can sterilize any of these houses with my boiler as it is fitted for this work. Any suggestions will be greatly appreciated.

W. M.

The first thing to do is to find out what is most in demand in the neighborhood as there are many crops that could be grown in such houses. The plant would not be large enough to go into growing for the wholesale cut flower market with any prospect of success, but if there is a local demand at retail for bedding plants these should be a very profitable line. During the summer the houses could be filled with tomatoes which could be taken on until early winter when they usually command good prices. In most places there is quite a demand in spring for tomato, pepper, lettuce, cabbage and other vegetable plants which can be grown along with the bedding stock and if there are amateur gardeners in the district these will be glad to get hold of plants and vines for their homes, window plants, seeds and sundries. If there is any chance of working up a trade in wreaths or funeral flowers a few carnations could be grown, also any outdoor flowers if there is room around the houses to grow them. Ferns would do well in small houses such as those described and anything that could not be grown could be purchased whenever a trade was worked up. Always keep in mind the fact that it is harder to create a demand than to supply one already existing. This making it important to find out what is really needed in the neighborhood. This can be more easily done there than here and when decided on what is to be grown write again should there be any further advice needed.

G.

Meetings Next Week.

Butte, Mont., February 11.—Montana Florists' Club, Columbia Gardens.

Chicago, February 9.—Gardeners' and Florists' Union No. 10615, 10 and 12 Clark street.

Cincinnati, O., February 12, 8 p. m.—Cincinnati Florists' Society, Jabez Elliott Flower Market.

Davenport, Ia., February 19.—Tri-City Florists' Club, home of Harry Bills, Davenport, Ia.

Dayton, O., February 7, 8 p. m.—Dayton Florists' Club, 37 E. Fifth street.

Detroit, Mich., February 7, 8 p. m.—Detroit Florists' Club, Cowie building, 42-44 Gratiot avenue.

Grand Rapids, Mich., February 7.—Grand Rapids Florists' and Gardeners' Club, office of member.

Hartford, Conn., February 11, 8 p. m.—Connecticut Horticultural Society, County building.

La Crosse, Wis., February 8.—La Crosse Gardeners' and Florists' Society, Hotel Stoddard.

Madison, N. J., February 9, 8 p. m.—Morris County Gardeners' and Florists' Society, Masonic hall.

Montreal, Que., February 7.—Montreal Gardeners' and Florists' Club, Royal Guardians building, 211 Sherbrook street west.

New London, Conn., February 9.—New London County Horticultural Society, Elks' hall.

New York, February 9, 4:30 p. m.—Horticultural Society of New York, American Institute rooms.

Omaha, Neb., February 10, 8 p. m.—Omaha Florists' Club, City hall.

St. Louis, Mo., February 10, 2 p. m.—St. Louis Florists' Club, Odd Fellows building, 9th and Olive streets.

Toledo, O., February 9.—Toledo Florists' Club.

Winnipeg, Man., February 9.—Winnipeg Florists' Association.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted.—As gardener by Scotchman, 34 years of age; 18 years' experience in Scotland, England and America in all branches of horticulture; good references.

Key 432, care American Florist.

Situation Wanted.—Practical single florist. German, 28 years of age; good experienced grower of roses, carnations, mums, pot plants, etc.; Wisconsin preferred; state wages in first letter.

Key 435, care American Florist.

Situation Wanted.—As gardener, private or public; experienced in all branches; trained in Scotland; special experience in chrysanthemums and pot plants; Canada preferred; married; abstainer; age 28. Address

Key 431, care American Florist.

Help Wanted.—An assistant on roses; wages, \$12 per week, with show for advancement.

WILLIAM DITTMANN, New Castle, Ind.

Help Wanted.—Experienced vegetable grower for under glass; must be sober and industrious; steady situation, send reference.

Key 428, care American Florist.

Help Wanted.—Strong young man not afraid of work; some experience in greenhouse work; state wages expected, with room and board.

GEORGE ALLAN, Princeton, N. J.

Help Wanted.—Young man as assistant in growing of pot plants; wages, \$12.00 per week. Address with copy of references, and experience.

Key 437, care American Florist.

Help Wanted.—Florist and gardener; must be an experienced all-around man, sober and competent; good job if you want to work; married man preferred. Answer at once and send references.

OTTO SCHWILL & Co.,
Seedsmen and Nurserymen, Memphis, Tenn.

Wanted to Rent.—Greenhouses of 5,000 to 20,000 feet of glass, retail or wholesale; or will go as partner; good grower and good worker.

FRANK H. WILHELM, Florist,
Downer's Grove, Ill.

Wanted to Rent.—Greenhouse establishment; 15,000 to 20,000 feet; must be in good repair, good location and good rose soil required, shipping distance of Chicago preferred.

Key 438, care American Florist.

Wanted.—Greenhouse, about 5000 ft. of glass, dwelling, one or more acres of land.

Key 436, care American Florist.

Wanted.—Information of a man by the name of Zina Tanner; his father would be very thankful.

CLARK TANNER McGREGOR, Minn.

For Sale.—First class florist business in city of 30,000; reason for selling; other business.

Key 999, care American Florist.

For Sale.—Some 3-inch pipe guaranteed sound, 7c per foot. Also several good small boilers cheap.

W. H. SALTER, Rochester, N. Y.

For Sale.—Cottage, house and barn and three acres of land; good greenhouse, hen house, fruit; easy terms.

Box 24, Milldale, Conn.

For Sale.—A good florist retail business in growing city in western New York; 5,000 feet of modern built glass, with work room and living rooms attached; best place in town; a good trade. A good place for the right man. Reasons for selling, other business. Price and details on application. Key 429, care American Florist.

FOR RENT.

Greenhouse, 12,000 feet of glass; stocked with sweet peas, carnations, bedding plants; good house; 10 acres of land; near Chicago; \$50.00 per month.

Key 425, care American Florist.

WANTED

At once, a competent rose and carnation grower; permanent position to sober, reliable man; wages \$18.00 per week. Address

Key 941, care American Florist.

Help Wanted.

A thoroughly competent plantsman well posted in trees, shrubs and all hardy planting material. A good promising position for the right man who knows his business and can handle men. State references and salary wanted.

"Practical Hustler," care American Florist.

Ornamental Nurseryman Wanted

One familiar with varieties, propagation and growing of ornamental trees and decorative plants. Address

THE SILVA-BERGTHOLDT CO.

Newcastle, California.

Situation Wanted.

By first-class young Hollander, married, no children, four years' American experience and ten years' experience in different countries in Europe and East Indies; private situation preferred; experienced in landscape gardening and managing a private estate; also capable of managing an ornamental nursery; eastern states preferred; age 30.

Key 426, care American Florist.

TO RENT.

A very rare opportunity of one of the most modern and up-to-date florist establishments of about 15,000 sq. ft. glass; hot water heat; Superior tubular boiler; entire place equipped with electric lights, cement walks and floors; work building 20x115 two stories 8-room modern flat; good established business; the conveniences and accommodations to all transportation, etc. are too numerous to mention; they cannot be excelled; if interested an investigation will convince.

RICHARD F. GLOEDE

1405-1407 Central St., Evanston, Ill.

Store and Retail Business For Sale.

A fully equipped and only store in a town of 15,000 in New York state; the entire good will and an established business for more than 15 years. Business now \$8,000 to \$10,000 per year, and can be much increased by a good live man. On account of poor health, are willing to sell at a sacrifice, and \$3,000 will buy it. If you mean business, address

Key 971, care American Florist.

Nursery Foreman.

I want a Nursery Foreman, married man preferred, for city nursery in Oregon; a man who understands the propagation and growing of nursery stock and must be able to superintend all outside work, care for customers, take orders, etc. This is a good place for an ambitious young man. Address

KEY 998, CARE AMERICAN FLORIST.

Retail Store Man.

The advertiser, located in the south, wants a good man to take charge of the retail cut flower department. He must be fully competent to turn out high class design work and decorations. One who has a general knowledge of the seed business would be preferred, as the cut flower department is carried on in connection with a general seed business. A good salary to the right man. Address

Key 431, care American Florist.

FOR SALE.

About April 1st we begin tearing down a range of 85,000 feet of glass to make room for more modern houses.

We will have for sale ventilating machines (Hippard), ventilators, ready glazed sash bars in length 8 ft. to 14 ft., gutters and 4-in. cypress and cedar posts, glass in small sizes. Just the material for building small houses, lean-tos, partitions, etc. Will sell any part or all of it.

J. M. GASSER CO., Rocky River, Ohio.

Greenhouse Construction

BY PROF. L. R. TAFT.

It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 210 pages and 118 illustrations. PRICE, \$1.50

Greenhouse Management

By the same author. Covers the subject completely. 382 pages. PRICE, \$1.50.

American Florist Co.,
324 Dearborn St., Chicago.

Our Beauties Are in Full Crop

We are receiving 500 per day of the finest quality Beauties ever seen on this market.

Wire us your orders and you will get them.

IN spite of the great scarcity of Beauties in nearly all wholesale houses we have the goods. Our growers have been exceptionally fortunate and are consigning splendid long stemmed flowers with grand foliage. The cut is only beginning and we shall be right in it with Beauties for the next few weeks. Let us hear from you; it will be to your advantage and ours.

Violets for St. Valentine's Day

The demand is already heavy but we are well prepared for it. All your customers will want violets for this occasion.

Killarney

White and Pink. The finest stock on this market; our growers have made a lucky hit on these popular varieties.

Brides and Maids

We have taken care of our customers through the scarcity and can continue to do so.

Tulips

Beautiful flowers of Lorraine, pink and white, and all the other popular varieties. Fine stock, long stems. Large supplies received daily.

Jonquils

A good supply of fresh stock in the best and most popular varieties arriving regularly.

Mexican Ivy

This popular long lasting green in any quantity; always fresh and bright.

VAUGHAN & SPERRY, Wholesale Florists, 52-54 Wabash Ave., ...CHICAGO.

Chicago.

LITTLE CHANGE IN CONDITIONS.

There was little change to report in the condition of the market at the end of last week. Roses continued far below the demand and orders had to be cut in half in many instances and some turned down entirely. The plants have evidently not recovered from their severe cutting at Christmas and though some say that bright weather only is wanted to bring them in plenty, growers of experience say that considerable growth has to be made in most cases before any crops of consequence can be cut. The scarcity, however, is helping the sale of carnations and McKinley day on Saturday, though not making any very great demand locally, helped out a little along this line, many carnations being shipped to out-of-town points, consignments to the Buckeye state naturally leading. The flowers are improving right along and there are excellent showings in all the popular varieties, red being, perhaps, the most scarce.

Early in the week, quite a scarcity in American Beauty roses developed and although the larger growers of roses said that their plants were setting buds well there is little relief in sight for some time in the case of the teas. Carnations were very firm on Monday and four cents were again demanded for the choicest reds and Enchantress of best quality. Good Lorraine tulips, pink and white, are arriving in increasing quantities and are bringing good prices for the growers. Should they continue to increase in quantity, as they probably will, they will relieve the rose situation somewhat. Retailers do not relish paying the same prices for roses now that they paid at Christmas but, as wholesalers say, they had more flowers around the holidays than now in comparison with the demand. Practically everyone agrees that roses were never so scarce at this season of the year. Cattleyas are more plentiful and the demand not quite so good. Quite a few flowers are being sent in from local growers, but why they cut them in such an undeveloped condition, when a few days longer on the plants would greatly improve them, it is difficult to say. Cold, stormy weather is against their sale as it is against violets, gardenias and other flowers for personal adornment. Sweet peas are improving but slowly and the price is still high, the best flowers being scarce. Greens of all kinds are high in price and scarce. A novelty in this line being handled by several houses is a species of fir, possibly the balsam, that has fine, deep green, lasting foliage and which we were introduced to as a "new cypress." There is a good deal in a name sometimes.

The coal situation has been considerably relieved and cars are moving

more freely, lower prices being now asked. Speaking of his experience at Pittsburg at the carnation convention C. L. Washburn of Bassett & Washburn, says that the growers there in the middle of the coal country were as badly off as here. Mr. Washburn came back suffering from an ulcerated tooth which has given him considerable pain.

Orders from New Orleans for the Mardi Gras celebrations began to come in early during the present week and these will doubtless continue until the week end, Friday and Saturday being probably the busiest days. Advance orders for St. Valentine's day also came along and the outlook for violets is good. Local singles are in elegant shape and the growers at Park Ridge and other points say they will have plenty for all.

NOTES.

Vaughan & Sperry have certainly the best of it in American Beauty roses. All through the week splendid long-stemmed flowers have been arriving to the tune of 500 or more per day and their growers report more to follow as the crop in sight and on the plants is a very large one. Violets are unusually good and all classes of bulb stock are well represented, tulips and jonquils being especially good.

C. Clemensen, 7801 Railroad avenue, South Chicago, is building a new store and show house 26x125 feet, also a residence, to cost \$9,000, and is remodeling all the old greenhouses. He will pay more attention to the store trade in future than growing for wholesale and will probably build more glass this summer.

Matters before the monthly meeting of the Florists' Club at the Union restaurant this week were the applications for membership from Edward J. Fichter, 1965 Summerdale avenue; J. F. Dumke, 7047 Wentworth avenue and Wm. Graff, 1332 Byron street,

"The Busiest House in Chicago"

IF you are in the market for cut flowers and greens—stock that is better than the average, but no higher in price than the ordinary—it will be to your advantage to consult

J. B. DEAMUD CO.

Wietor Bros.,

Wholesale Growers of

..CUT FLOWERS..

51 Wabash Avenue,

CHICAGO.

Price List

| American Beauties, | Per doz |
|-------------------------------|----------------|
| Extra long | \$ 6 00 |
| 36-inch stems | 5 00 |
| 30-inch stems | 4 00 |
| 24-inch stems | 3 00 |
| 20-inch stems | 2 50 |
| 18-inch stems | 2 00 |
| 15-inch stems | 1 50 |
| Short | 1 00 |
| Per 100 | |
| Killarney, extra | \$12 00 |
| " fancy | 8 00 |
| " good | 5 00 to 6 00 |
| Richmond, extra | 10 00 |
| " fancy | 8 00 |
| " good | 5 00 to 6 00 |
| Mrs. Jardine, extra | 12 00 |
| " fancy | 8 00 to 10 00 |
| " good | 6 00 |
| White Killarney, fancy | 10 00 to 12 00 |
| Brides and Maids, fancy | 10 00 to 12 00 |
| " good | 6 00 to 8 00 |
| Uncle John, fancy | 8 00 to 10 00 |
| " good | 5 00 to 6 00 |
| Perle, fancy | 10 cents |

ROSES, our selection..... \$6 00

| | |
|--------------------------------------|--------------|
| Carnations, extra fancy | 2 00 to 3 00 |
| Easter Lilies, short \$2 00 per doz. | |
| Valley | 4 00 |
| Asparagus Plumosus, | |
| extra quality, per bunch | 75c |
| Fancy Ferns, per 1000 | \$2 00 |

All other stock at lowest market rates.

Prices subject to change without notice.
No charge for packing.

:: Easter Lilies ::

We are cutting an average of one thousand lilies per day, very choice stock, long stems, large flowers and fine foliage. They are the best flowers in the market and are in great demand during this shortage of Beauties and Roses. We are selling them at \$12.00 per 100 or \$1.50 per dozen. Buy direct of the grower and get fresh stock. **American Beauties, Roses, Fancy Carnations, Tulips, Daffodils, Lily of the Valley, Easter Lilies and Greens.**

Write us for our weekly price list if you are not receiving it. We keep you posted on the flower market.

Bassett & Washburn

Store and Office: 76 Wabash Ave.,

CHICAGO

Greenhouses: HINSDALE, ILL.

also the installation of the recently elected officers.

Bassett & Washburn's stock, now coming in from the Hinsdale greenhouses, is magnificent in every way and arriving in very fair quantities considering the general scarcity. C. L. Washburn says that the prospects are good for plenty of stock in the not very distant future.

Moss shipments from Wisconsin points are greatly delayed by the freight blockade. It is reported that the Chicago, Milwaukee & St. Paul R. R. has 30,000 freight cars blocked. The big fall of snow has put a lot of side tracks out of use.

The J. A. Budlong Co.'s stock continues to arrive in elegant condition and, considering the general scarcity, in large quantities. Bride roses and excellent carnations in all the leading varieties were specially noted.

The J. B. Deamud Co. is featuring magnificent Lorraine tulip, pink and white, grown by Fred Stollery of Evanston. This is certainly elegant stock and is selling at a great rate.

A meeting of the florists' advisory committee of the Illinois Experiment Station will be held at the Union Restaurant, Friday, February 4, at 6:30 p. m.

At Winterson's Seed Store cleaning up and renovating are going on as well as the preparation of the new spring catalogue and everybody is busy.

Good Cattleya Trianae is now to be seen daily at Poehlmann Bros. Co.'s store, the produce of plants growing at the greenhouses at Morton Grove.

Fred Klingel, until recently with Geo. Reinberg at the store at 51 Wabash avenue, has joined the staff of John Kruchten.

Visitors: Paul Berkowitz, representing H. Bayersdorfer & Co., Philadelphia; Wm. Swinbank, Sycamore; Frank Schramm, Arlington Heights; J. Carnehl, Park Ridge; Andrew Schlevogt, Brooklyn, N. Y.; J. A. Valentine, Denver, Colo.; Wm. Rynsbarger representing H. Zyp & Co., Lisse, Holland.

THE BOWLING SCORES.

| Carnations | 1st. | 2d. | 3d. | Roses— | 1st. | 2d. | 3d. |
|------------|------|-----|-----|---------|------|-----|-----|
| Ayers | 133 | 134 | 149 | Fisher | 161 | 168 | 162 |
| Fast'n'k | 158 | 199 | 119 | Goerish | 152 | 179 | 114 |
| Kraus | 125 | 125 | 154 | Pleser | 169 | 113 | 132 |
| Farley | 137 | 153 | 157 | Lorman | 117 | 124 | 147 |
| Zech | 149 | 160 | 149 | Wolf | 138 | 170 | 140 |
| Totals | 700 | 771 | 728 | Totals | 737 | 759 | 695 |

| Violets— | 1st. | 2d. | 3d. | Orchids— | 1st. | 2d. | 3d. |
|----------|------|-----|-----|----------|------|-----|-----|
| Bergman | 113 | 171 | 161 | Huebner | 118 | 144 | 150 |
| Johnson | 141 | 132 | 130 | Graff | 122 | 133 | 133 |
| Kruchten | 85 | 127 | 126 | Vogel | 135 | 100 | 90 |
| L'b'rman | 123 | 165 | 150 | Easter | 154 | 167 | 208 |
| Yarnall | 169 | 181 | 158 | Zech | 192 | 190 | 175 |
| Totals | 636 | 776 | 725 | Totals | 721 | 734 | 754 |

Cleveland.

ROSES SCARCE.

Roses are becoming more scarce as time goes on; the local wholesalers have a hard time filling orders, and a slight rise in price is the inevitable result. Sweet peas are plentiful and of excellent quality. Lorraine and Proserpine tulips are becoming more plentiful, while daffodils are still rather scarce. Callas are more plentiful, with a good demand. Violets of good quality arrive daily, with a fair demand. Carnations just about keep up with the demand. Fancy ferns of excellent quality are finding a good market.

NOTES.

The boys who attended the Pittsburgh carnation show report a good time; they say they also were benefited by the little talks they had with the different retailers.

L. L. Lamborn's store at Canton was burnt out completely January 27. The entire block, which is owned by Mr. Lamborn, was completely gutted.

H. Piggott, formerly at 4248 Pearl road, is about to open a retail store in the Taylor arcade.

C. B.

DeKalb, Ill.

J. Leonard Johnson has added a new house, 21x120 feet, to his range, giving him a total of 10,000 feet. At present he is using it for lettuce and bedding stock. He has been uniformly successful in the venture since commencing business four years ago. His trade has shown a steady improvement each year, as he has practically no opposition. He reports a very good business in carnations on McKinley day.

Carlson Bros. have begun business in Brown's drug store and will deal principally in cut flowers. They report sales aggregating 800 carnations on the opening day, which was McKinley day. The members of the new firm have had no experience to mention, but on account of their favorable location it is thought will do some business. The trade wishes them well.

B.

Price List

AMERICAN BEAUTIES Per doz.

| | |
|------------------|--------|
| Extra long stems | \$6 00 |
| 36 inch stems | 5 00 |
| 30 inch stems | 4 00 |
| 24 inch stems | 3 00 |
| 20 inch stems | 2 50 |
| 18 inch stems | 2 00 |
| 15 inch stems | 1 50 |
| 12 inch stems | 1 00 |

Richmond, Killarney, Mrs. Per 100

Field, Mme. Chatenay,

My Maryland.....\$6 00 to \$12 00

Uncle John, Bride, Maid,

Ivory, Sunrise, Golden

Gate.....6 00 to 12 00

Perle.....5 00 to 6 00

Roses, our selection.....5 3

Carnations.....2 00 to 4 00

Harrisii.....15 00

Valley.....4 00

Violets.....1 00

Adiantum.....1 00

Asparagus, per bunch...50

Ferns, per 1000.....2 00

Peter Reinberg

2,000,000 Feet of Modern Glass

35 Randolph Street, CHICAGO

Sycamore, Ill.

A visit to Wm. Swinbank's place is always a pleasure. He has about 24,000 feet devoted to a miscellaneous stock, though carnations and roses are his main reliance. He expects to rebuild one house in the near future, and erect another along his entire front for show house purposes. A separate hot water heater will be installed for heating both new houses and the residence. Mr. Swinbank has no competition, but does a considerable business in the nearby towns. The carnations are in apple-pie condition, as good as one could wish for.

B.

St. Louis.

A BUSY WEEK.

The past week was a busy one, opera, weddings and social events crowded in. On Saturday there was somewhat of a demand for carnations for McKinley day, but a great many avoided buying, as carnations could not be retailed at five cents; 10 cents was the price. This is to be regretted, as many would go without rather than pay 10 cents, while at five cents they would attract the multitude and thus assure a standing demand. Violets are selling well, although artificial bouquets hurt sales. Roses are decidedly scarce; sweet peas are selling at 40 cents to 50 cents per 100. Galax and all greens are selling well. Quite a few lilies are in. Graduating exercises greatly increased the demand on everything.

NOTES.

Julius Koenig can be seen daily on our residence streets overseeing the trimming of trees by the Kinloch Telephone Co. This work is done in the interest of the forestry department.

Wensel & Hecht Anglum have two houses 27x100 feet, with carnations, sweet peas and all kinds of pot plants. They will build this summer three houses 27x100 feet.

Martin Hecht, Wellston, has two houses, 32x100 feet, with carnations and sweet peas. One new house 32x100 feet will be built this summer.

Rudolph Gross is shipping some extra fine long stemmed violets. This is his first year at growing and he has been very successful.

Young & Sons' windows are very pretty with Begonia Gloire de Lorraine and a profusion of violets and lily of the valley.

At Smith's violets are disposed of by the thousand daily besides a great many carnations almost entirely from local growers.

The flower booth at the charity bazaar at the Coliseum will be in charge of Mrs. A. J. Bentzen.

Everette Creagh Burrows, formerly partner of N. Pilcher of Kirkwood, died January 27.

A. C. Brown, of Springfield, Ill., is shipping some fine carnations to this market.

Wm. Smith is very busy preparing his essay on the "Troubles of a Wholesaler."

W. F.

Milwaukee.

There are two serious problems which await solution, the regulation of quality and price: Richmond roses are quoted \$4 to \$8 today. If a retailer wants perfect flowers and orders the \$8 roses they prove to be satisfactory. Six weeks later he has another job requiring the same stock; they are then quoted \$5 to \$10, and he orders the \$10 stock, which proves to be inferior to that bought at \$8. We have progressed to a point in managing flower shows where the first prize is not always awarded to the best entry regardless of its merits, and we know instances where second and third prizes were awarded only. This is a hopeful sign. The fixing prices is frequently a dilemma for the commission man, a frequent predicament is to have a quantity of good stock left some day after the regular trade has been supplied. A faker makes an offer for it; if he makes a sale of that nature, it will save a few dollars for his growers, but when his morning customers find stock being sold for less than they paid, other pictures are drawn for him to gaze upon. Economy of gray hairs requires a speedy solution of these problems. However, signs are hopeful and the spirit of fairness and co-operation along these

lines is growing. There is a co-ordination of interests and a fellowship feeling here that could not have been predicted years ago. The "all pull together" for the last flower show has helped this progressive spirit wonderfully.

C. Valom has purchased 10 acres in North Milwaukee, about half a mile east of Nic Zweifel's plant. He will take possession in February and begin preparations for a growing plant.

Advantages of the Flower Shows.

A paper read by J. F. Ammann, Edwardsville, Ill., before the St. Louis Florists' Club.

This question could be answered in many ways and a very lengthy paper written, on account of the many benefits each branch of the profession derives from flower shows. I shall, however, try and point out a few of the most important facts pertaining to each branch of the trade.

The retailer derives much from the flower shows, especially if he is alive to the situation and takes an active part in the exhibition, while most retailers who do not exhibit give as a reason too much trouble and expense, yet it is a fact nevertheless, that a well managed flower show is the best educator and cheapest advertiser known to the profession today, when so many private individuals are ready to donate time and money to prizes for an exhibition which they consider educational and elevating to mankind, as is the case in flower shows. It is only the drones of the profession who will not grasp at the opportunity to advertise themselves as well as help the good movement along by taking active part in the exhibitions.

The retailer is nearer to, and the only branch of our profession that comes in direct touch with the consumer. The more ways and means he can provide to create a demand for the product the more he is benefited. Where is that means more at hand than at a flower show? Where can it be procured for less money than at a flower show? Where is he paid for filling his space and where are newspaper items published for him, (advertising he could not purchase at all) for absolutely nothing? I think, gentlemen, this is sufficient reason why a retailer derives much from a flower show.

THE WHOLESALER.

Next the wholesaler; poor fellow, I always have had a soft spot in my heart for this unhappy medium. He stands between two fires all the time. The growers expect high prices and the retailers to buy cheap, so in steps the wholesaler and says "we will split the difference" and it goes. I really believe if it were not for the wholesaler the retailer and grower would not be on nearly such good terms as they are. On one thing we can all agree I am sure and that is, if the retailer can devise a scheme by which he can create a stronger demand for his goods the wholesaler is also benefited by it, so the foregoing reason will suffice for the wholesaler being benefited by flower shows as well.

THE GROWER.

When we talk about the grower I begin to feel a little more familiar with my subject for I have been a may continue so another quarter). If flower shows are a benefit to the victim to this branch for nearly a quarter of a century (and I only hope retailer and wholesaler they are doubly so for the grower. On the success of either of the other two branches of the trade depends entirely (and well it should) the prosperity

of the grower. I am sorry to, but can, I think, without fear of contradiction say that no producer of any article, be it manufactured or grown, is so slow in taking advantage of exhibiting his wares as the average grower of flowers and plants. We can readily recall where farmers and stock raisers as well as manufacturers pay exorbitant prices for space at various exhibitions and fairs to show their product. Does the grower have to do that? No, on the contrary he is paid, and in most cases paid well, for his exhibition, and in addition gets just as much if not more advertisement for his goods than any other profession. I hope the day is not far distant when all the growers will see the flower shows in this light as so many of our leaders have already and help to make them a grand success everywhere. I only hope the contents of this paper will be received by all who hear it in the spirit it is given and every retailer, wholesaler and grower in St. Louis, in fact everywhere, will join me in giving three cheers for the flower shows and all hail to the men who work so hard in making them a success.

Beautiful Carnations from Union City, Tenn.

"The Banner received today a box of beautiful red and white carnations grown by the Postma Floral Co. at Union City. They are unusually large and hardy specimens and show what care and patience can accomplish. The white Mr. Postma has named for Gov. Patterson, because white is his favorite. The red he calls The Carmack, because the late senator loved that color best. Another he has named C. W. Farris, in honor of the president of the West Tennessee Fair Association. Still another is Mrs. J. K. Postma. It is a large red and a beautiful flower."

The above is a clipping from a recent issue of the Nashville Banner. The Banner is the best paper in Tennessee, but how its opinion will be regarded by the trade in general on matters now so all absorbing as the merits of the numerous varieties of carnations remains to be seen.

That the Postma Floral Co. should introduce these "large and hardy specimens" must be a matter of pride to the entire state. It is probable that Secretary Baur has the pedigree of these new comers. And again it is possible that P. F. Co. has by this time placed a representative quantity of these hardy specimens before the committee at the Fort Pitt.

Carnation growers from urban and suburban regions of the great carnation belt will be interested. These beauties should not be confined to the regions of Reelfoot lake. The specialists in other sections would now be interested as the carnation at the present time is in the limelight and looked upon with keen interest by commercial florists as well as many others of a speculative turn of mind that believe there are fortunes to be made in the further development of the divine flower.

In view of the warring factions in this state it is remarkable how a Pattersonian white and a Carmackian red could ever evolve from the same capsule. While the Postma Floral Co. is bringing forth so many notable productions of skill as hybridists the writer would suggest some combination of colors as represented at present by the friends of the "martyred hero" and the little "game rooster" of the democratic party. Some blending of the red and white with some such appellation as the "dove of peace" would be welcomed by all Tennesseans.

J. M.

Cut Flowers E. H. HUNT

FOR ALL OCCASIONS.
FLORISTS' SUPPLIES TOO.

—SEND FOR PRICE LIST.—
76 Wabash Avenue, CHICAGO.

KYLE & FOERSTER,

W. P. KYLE.

51 Wabash Ave.,

CONSIGNORS SOLICITED.

Wholesale Florists.

L. D. Phone
Randolph 3619.

JOSEPH FOERSTER

CHICAGO.

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., Chicago
L. D. Phone, Central 466.

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it at
Chicago market prices on day of shipment.

CHAS. W. McKELLAR,

51 Wabash Ave.,
CHICAGO.

ORCHIDS

A Specialty

Fancy Stock in Peonies,
Valley, Roses, Beauties,
Carnations and a full line
of all Cut Flowers, Greens,
Wire-Work and Florists'
Supplies.

Send for Complete
Catalogue.

POEHLMANN BROS. CO.

Wholesale Growers of and Dealers in

Cut Flowers

All telegraph and telephone orders
— given prompt attention.

Greenhouses 32-37 Randolph St.
MORTON GROVE, ILL. CHICAGO.



A. L. Randall Co.

19-21 Randolph St.,
CHICAGO.

L. D. Phone Central 1496. Private Exchange
All Departments. If you do not receive our
price list regularly send for it.

PEKIN, ILL.—The horse hitched to
Mrs. Schautz's delivery wagon became
frightened and bolted January 17, col-
liding with another vehicle and doing
considerable damage.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty....

WHOLESALE
GROWER of

CUT FLOWERS

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

| CHICAGO, Feb. 2. | |
|---------------------------------|----------------|
| Roses, Beauty, extra select ... | 6 00 |
| " " 36 in | 5 00 |
| " " 30 in | 4 00 |
| " " 18 in | 2 50 |
| " " 15 in | 1 50 |
| " " Short | 1 00 |
| Per 100 | |
| " Bride, Bridgmaid, select.. | 8 00@15 00 |
| " Killarney, select. medium | 4 00@6 00 |
| " " medium and short | 6 00@15 00 |
| " Mrs. Jardine | 4 00@10 00 |
| " Mrs. Potter Palmer | 8 00 |
| " My Maryland | 8 00 |
| " Perle | 7 00 |
| " Richmond extra select.... | 4 00@12 00 |
| " Uncle John | 6 00 |
| " White Killarney select | 8 00@15 00 |
| " " medium | 4 00@6 00 |
| Carnations, select fancy | 3 00@4 00 |
| " common | 1 50@2 00 |
| Callas, per doz. | 2 00 |
| Hyacinths, Roman | 3 00 |
| Lilium Harrisil. per doz. 2 00 | 10 00@12 00 |
| Lily of the Valley | 3 00@4 00 |
| Mignonette | 4 00@6 00 |
| Narcissus | 3 00@4 00 |
| Orchids, per doz. | 6 00@8 00 |
| Sweet Peas | 1 00@1 50 |
| Violets | 50@75 |
| Adiantum | per 1000, 50@ |
| Asparagus Plum. strings, each, | 60@75 |
| " sprays | 3 00@4 00 |
| " Sprenger | 3 00@4 00 |
| Boxwood, per bunch.. 35c | per case, 7 50 |
| Ferns | per 1000, 2 00 |
| Smilax | 1 50 |

GEO. REINBERG,

Wholesale
Grower of **Cut Flowers**

CHOICE AMERICAN BEAUTIES.

We will take care of your orders at reason-
able prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

BE YOUR OWN COMMISSION MAN
—AT THE—

Flower Growers' Market

60 Wabash Ave., CHICAGO.
A Few Desirable Stands For Rent.
See JOHN SINNER, Manager.

Chicago Rose Co.,

JOSEPH ZISKA, Successor,
Cut Flowers, Florists' Supplies and
Wire Work a Specialty.
Long Distance Phone Central 2487.
56-58 Wabash Ave., CHICAGO

WIETOR BROS.

Wholesale **Cut Flowers**
Growers of

All telegraph and telephone orders given
prompt attention.

51 Wabash Ave., CHICAGO.

Quality Counts.

Let us have your next order for
Roses and Carnations
and other Seasonable Flowers.

JOHN KRUCHTEN,
51 Wabash Ave., CHICAGO.

HOERBER BROS.

Wholesale Growers of Cut Flowers,
Telephone Randolph 2758.
Greenhouses: DES PLAINES, ILL.
Store: 51 Wabash Avenue, CHICAGO

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO
Telephone, Central 3284.

LOUISVILLE, KY.—Ernst B. Kret-
schmer & Son have opened a whole-
sale and retail store on Bayless ave-
nue.

J. L. LOOSE, President.
THEO. DIEDRICH, Vice-President.

JOHN ROBERTSON, Treasurer.
ADOLPH BOWDLER, Secretary.

THE FLORISTS' EXCHANGE

—OF—

729-13-N. W., WASHINGTON, D. C. Phone Main 7576

Solicits Consignments of Cut Flowers. This is strictly a co-operative corporation composed of 19 Growers and Retailers of the District of Columbia, under the management of Albert Schnell, formerly in charge of the Washington Branch of The Pennock-Meehan Co. Consignors are welcome to inspect our books and see at what price their stock was sold, to satisfy themselves that they are credited with full amount.

Philadelphia.

GOOD STOCK SCARCE.

The scarcity of high-class stock continues the feature. Choice roses are particularly scarce, especially Beauties, for which \$9 per dozen is the price and they have to be ordered 24 hours in advance at that. Tea roses are not much better in this respect, as everything in the rose line appears off crop. Carnations are fairly plentiful and of very good quality. Sweet peas of select grades are to be had in good quantities and sell as well as anything. Daffodils, Golden Spur, and white and yellow tulips, giant daisies, freesias and pansies and all popular spring flowers, are seen in quantity and move well at good prices. Cattleyas are a trifle more in evidence, with prices a little easier, \$6 per dozen now buying the specials. Violets, single and double, are active and sell up close. There is a good shipping demand for all classes of flowers, many orders coming from men who generally have enough from their own greenhouses, but are now forced to buy to fill their orders.

The delegates to the carnation convention from this city returned full of enthusiasm for the divine flower, and praise for the Pittsburg brethren, who had so laid themselves out to give the visitors a pleasant time. Charles E. Meehan was very much pleased with the trip. The exhibition was of much interest. Of the new varieties his first selection was Conquest, a really striking flower on the order of Toreador, but quite distinct, and if it produces well, should be in the front rank among the fancies. May Day and Delight also took his eye. Of the entries from this city, Craig's new white showed up very well, as did Dorothy Gordon, which had many admirers. Mr. Stroud's carrying off the prize for White Perfection from about a dozen other entries, the best the country produces, was quite a feather in his hat, and the card will occupy a prominent place in the Stafford office. The trip to F. Burki's greenhouses was much enjoyed. Such a large place in such hilly ground Mr. Meehan had not thought possible. Here was found the finest Killarney roses he had seen this season, which is praise indeed. Oil wells working on the place were also interesting. The banquet Mr. Meehan described as a splendid affair, handsome decorations, a bounteous repast and the best of good cheer made the occasion one long to be remembered.

FLORISTS' CLUB MEETING.

The February meeting of the Florists' Club, held last Tuesday evening, was a spirited affair, the motive power being the paper of Adolph Farenwald on "Why the Small Rose Grower Should Join the American Rose Society." The paper itself was short and spicy. The writer received the thanks of the club. The discussion, however, while spicy, was long-drawn and the whole very entertaining, nearly

all members of the club accustomed to taking part in discussions being on their feet several times. Messrs. Skidelsky, Meehan and President Heacock told of the good time they had had at the recent convention and of the fine stock they had seen. The subject for next meeting is to be "Carnations" with Ex-President Herr, of the American Carnation Society, as the essayist. K.

Boston.

TRADE GOOD.

Business has been good the past week. Stock is not any too plentiful in any line and is kept well cleaned up. Violets are perhaps the slowest feature of the week. The weather has been mild and quantities of violets found their way to the streets. Carnations are holding up well and are a little on the short side. Bulbous stock is coming in rather heavily, but the demand seems equal to the supply up to the present. Good Golden Spur is selling remarkably well. Von Sion is coming in, in limited numbers, but not especially good. Tulips of several varieties are a desirable addition. Adiantum and Asparagus Sprengeri are both much short of the demand. Quantities of good sweet peas are finding their way to market and sell well. Gardenias, cattleyas and lily of the valley are more plentiful, much more so than for the past few weeks. Roses in the smaller and medium grades are more plentiful, with the single exception of Beauties. They have shortened up, as is always the case at this season of the year, and the only available stock is high priced and rather poor. The better grades of Richmond are very short. Bride and Bridesmaid are showing a marked improvement. Wallflower, myosotis and snapdragon complete the assortment and are all coming in rather freely. Easter lilies still hold a prominent place, as they have during the entire season. White lilac is showing in limited quantities. The plant trade is holding up well.

NOTES.

The annual banquet of the Gardeners' and Florists' Club held January 27 was a most brilliant occasion. The members and their friends turned out in large numbers. The decorations were appropriate and every detail of the arrangements was carefully attended to. Every one seemed to enter right into the spirit of the affair and all were loth to leave when their time was up. This was probably the largest gathering of its kind that the club has ever had.

The leading retail stores report general business as being good for this season, and unusually so in the line of funeral work. The shortage of Beauties at this time makes it almost unsafe to take orders. Firms receiving shipments from out of town often find their order cut down, and the local market offers but little relief to the situation.

Wm. Martin, of Milton, paid us a visit recently. He has had rather more than his share of sickness in his family this winter and is just getting over it. Two of his children were down with scarlet fever at the same time. Both are past danger now and recovering rapidly.

P. Carbone, the prominent importer of European novelties, sailed for foreign parts this week. He finds it necessary to make frequent trips abroad to replenish his stock and keep in touch with the makers of the many novelties now so closely associated with his name.

There have been several prominent weddings recently and the demand for white orchids for bouquets has been unusually heavy. Orange blossoms are also eagerly sought by many of the store men, and seem to be most difficult to obtain.

The strain of pansies brought to market by W. Turner, of Woburn, is attracting considerable attention. The size of flower and variety of color is remarkable.

Geo. Anderson, of Milton, has taken up growing pot plants for the market again and is meeting with his former success in producing fine salable stock.

The white lilac of Mann Bros. is just starting in. This firm is probably the largest specialist in lilacs in this section of the country.

E. Rogean is handling a fine line of white Killarney roses at this time and is disposing of large quantities of them daily.

Chas. Holbrow, of Brighton, is handling some especially good sweet peas in all colors.

Walter Ruan, of Peirce Bros., Waltham, is confined to his home with a severe cold.

R.

Cleveland Notes.

The wholesalers and retailers fought out a long standing grudge on Monday night on the Florists' Club alleys. The retailers have always been conceded the champions on "conversation" bowling, but the following scores tell what they think of themselves now:

| Retailers. | | Wholesalers. | |
|--------------|-----|--------------|-----|
| T. Smith | 99 | B. Hart | 163 |
| W. Krutzen | 124 | C. Hart | 234 |
| C. Myers | 104 | C. Schmidt | 167 |
| C. Reep | 149 | F. Friedley | 164 |
| H. Knoble | 138 | W. Stade | 226 |
| O. Crabbe | 79 | W. Warnke | 151 |
| F. Schoen | 89 | A. Koons | 111 |
| F. Ritzaller | 160 | C. Rotter | 136 |
| C. Russell | 132 | A. Barber | 141 |

1074

1488

ST. LOUIS, S. D.—The death of I. J. Nudd occurred on January 22. Mr. Nudd had been engaged for many years as florist and truck gardener. His health had not been good for some years and he fell an easy victim to an attack of pneumonia.

Bulbous Stock

Single Daffodils, Golden Spur and Princes.
Tulips, Pink, White, Red and Yellow.
Valley, Very Choice, \$3.00 and \$4.00 per 100.

Acacia Pubescens.

Long graceful sprays of small yellow, ball shaped flowers, beautiful foliage, a very choice novelty
\$2.50 per bunch.

THE LEO NIESSEN CO., Business Hours, 7 a. m. to 8 p. m.
Wholesale Florists 1209 Arch Street, Philadelphia, P

American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

Asparagus Plumosus Nanus

Extra large heavy strings,
50c each.

W. H. Elliott, Brighton, Mass.

Wholesale Flower Markets

| PHILADELPHIA, Feb. 2. | Per 100 |
|---------------------------|-------------|
| Roses, Beauty, extra..... | 40 00@75 00 |
| first..... | 25 00@35 00 |
| Brides and Maids..... | 6 00@10 00 |
| Tea..... | 6 00@10 00 |
| extra..... | 12 00@25 00 |
| Carnations..... | 4 00@ 6 00 |
| Cattleyas..... | 50 00@75 00 |
| Lilium Harrisii..... | 12 00@15 00 |
| Lily of the Valley..... | 4 00@ 5 00 |
| Mignonette..... | 5 00@ 6 00 |
| Sweet Peas..... | 75@ 1 00 |
| Violets, single..... | 75@ 1 00 |
| double..... | 1 00@ 1 50 |
| Adiantum..... | 75@ 1 00 |
| Asparagus, bunch..... | 50 00 |
| Smilax..... | 15 00@20 00 |

| BOSTON, Feb. 2. | Per 100 |
|---------------------------|--------------|
| Roses, Beauty, best..... | 25 00@ 50 00 |
| medium..... | 15 00@25 00 |
| culls..... | 5 00@10 00 |
| Bride Bridesmaid..... | 4 00@ 6 00 |
| Extra..... | 6 00@ 8 00 |
| Carnations..... | 2 00@ 3 00 |
| selected..... | 25 00 |
| Callas..... | 8 00@16 00 |
| Cattleyas..... | 50 00@75 00 |
| Gardenias, per dozen..... | 3 00@ 4 00 |
| Lilium Longiflorum..... | 10 00 |
| Lily of the Valley..... | 2 00@ 4 00 |
| Sweet Peas..... | 1 00@ 1 50 |
| Adiantum..... | 75@ 1 00 |
| Asparagus..... | 35 00@50 00 |
| Smilax..... | 12 00@16 00 |

| PITTSBURGH, Feb. 2. | Per 100 |
|--------------------------------------|----------------------|
| Roses, Beauty, special..... | 25 00@40 00 |
| extra..... | 15 00@20 00 |
| No. 1..... | 8 00@12 00 |
| Bride Bridesmaid..... | 4 00@ 8 00 |
| Chatenay..... | 4 00@ 8 00 |
| Killarney..... | 4 00@ 8 00 |
| My Maryland..... | 4 00@ 8 00 |
| Richmond..... | 4 00@ 8 00 |
| Carnations..... | 2 00@ 3 00 |
| Bouvardias..... | 2 50@ 3 00 |
| Callas..... | 10 00 |
| Cattleyas..... | 75 00 |
| Cypripedium..... | 15 00 |
| Daisies yellow..... | 2 00 |
| Freesias..... | 3 00 |
| white..... | 2 00 |
| Gardenias..... | 35 00@50 00 |
| Hyacinths, Romans..... | 2 00 |
| Lilac, white..... | per bunch, 1 00@1 50 |
| Lilium Longiflorum..... | 12 00 |
| Lily of the Valley..... | 4 00 |
| Mignonette..... | 4 00 |
| Narcissus..... | 2 00@ 3 00 |
| Snapeagons..... | 4 00@ 6 00 |
| Sweet Peas..... | 50@ 1 00 |
| Violets, double..... | 75@ 1 00 |
| single..... | 50@ 75 |
| Adiantum..... | 1 50 |
| Asparagus Sprengerii, per bunch..... | 50 |
| strings..... | 50 |
| sprays..... | 50 |
| Smilax..... | 15 00 |

VIOLETS, VALLEY.

Quality best.
Prices right.

Carnations. VERY FANCY.

Get prices on quantities.

All other stock in quantity.

McCALLUM CO., Inc.,

Pittsburg

Pittsburgh Cut Flower Co.,

Wholesale Florists and Growers,

The House that has and sells good goods at fair prices.

Salesrooms, 222 Oliver Ave.

PITTSBURGH, PA.

Choice Assortment of CUT FLOWERS will be found here.

WRITE FOR PRICES.

W. E. McKissick & Bros.

WHOLESALE FLORISTS.

Absolutely
The Best Possible
Service.

Business Hours 7 a. m. to 8 p. m. 1619-1621 Ranstead St., PHILADELPHIA, PA.

EVERYTHING A FLORIST USES.

The Denver Wholesale Florist Co.

1433-35 California St.

J. B. Murdoch & Co.

714 Penn Avenue

PITTSBURGH, PA.

All Flowers in Season. Send for list.

RICE BROTHERS

Wholesale Florists and Supplies.

115 N. 6th St., MINNEAPOLIS, MINN.

Cut Flowers received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities.

Weiland & Olinger,

128 E. Third St., CINCINNATI, OHIO.

Wholesale Growers and Shippers of Cut Flowers.

Carnation Georgia \$12.00 per 100 \$100.00 per 100
Greenhouses, NEW CASTLE IND.

—THE—

J.M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

Pittsburg Florists' Exchange

Wholesale Cut Flowers

We have anything in the line of Cut Flowers and Greens that you may need at any time.

A. C. S. Convention visitors are cordially invited to make their headquarters at our store.

15 Diamond Square, PITTSBURGH, PA.

HILLSBORO, TEX.—M. C. Wood has removed to his new greenhouses, 110 Milford road, to which all mail should now be addressed.

WABASH, IND.—Owing to the floods, many members of the Northern Indiana Florists' Association from nearby towns were unable to attend the opening session of the quarterly meeting January 19.

New York.

A GOOD AVERAGE WEEK.

The business of the past week averaged very good. There were several days when bad weather had a rather depressing effect on retail trade, but Friday and Saturday were good days. There has been considerable indifferent stock reaching this market recently, which is doubtless due to the dark and damp weather which has prevailed throughout the area from which the flower supply of this city is drawn. The demand for American Beauty roses has not been heavy and prices have fallen off, though there has been no decided drop, most of the specials moving around 50 and 60 cents as against 60 and 75 cents for the previous week. Prices have held up well on tea roses, good stock going at good figures. Good carnation stock has been bringing from four to six cents. Lily of the valley has been running a close race with violets. It has been selling very low, fine stock going at \$2 per 100. When valley gets as low as that, the Broadway and Fifth avenue curb vendors add it to their violet stock, as it is easily handled, and the two go well together.

January 31.—The market has been very fair today. A leading wholesaler says: "Stock is selling for good prices and that is all we can expect." The supply is not heavy, consequently there is a fair clean up. A week of clear weather would greatly change the situation, as it would bring in a much heavier supply. Lilies and lily of the valley continue slow. Roses and carnations sell well.

NOTES.

The orchid section of the Horticultural Society of New York held a very interesting meeting in the rooms of the American Museum of Natural History, on the night of January 26. Clement L. Moore, Hackensack, N. J., occupied the chair, and Edward Roehrs, Rutherford, N. J., acted as secretary. Other leading growers present were John E. Lager and Henry Hurrell, Summit, N. J., and Jos. A. Manda, West Orange, N. J. Geo. V. Nash, secretary of the Horticultural Society, was present and offered valuable suggestions pertaining to successful work. Along these lines, there were remarks by Messrs. Lager, Hurrell, Kitchen, Manda and the president and secretary. It was decided that meetings should be held on the fourth Wednesday evening of each month. Secretary Nash announced that certificates and diplomas had already been arranged for. There was some discussion as to the authority which the Horticultural Society may delegate to the orchid section in the matter of offering prizes. A committee, composed of Jos. A. Manda, John E. Lager and Edward Roehrs was appointed to confer with the parent society on this matter. An entertainment committee was appointed as follows: John E. Lager, Dr. Kitchen and Edward Roehrs. It is understood that at the next meeting a lecture will be delivered by John E. Lager, illustrated with lantern slides, on his experiences as a collector of orchids in South America. There was a splendid exhibit of orchids by Lager & Hurrell, the Julius Roehrs Co., Jos. A. Manda and Clement L. Moore. The exhibit included not only cattleyas, cypripediums and other well known commercial varieties, but others little known outside the circle of fanciers.

The annual dinner of the Florists' Club will be held in the Fifth Avenue building restaurant, Broadway and Twenty-fourth street, on the evening of March 17, St. Patrick's day. It will be a representative gathering of florists and their wives, daughters and sweethearts. Walter F. Sheridan is chairman of the dinner committee, with an able staff of associates, and

there is no doubt that under such good management the event will prove a success. The admission will remain the same as last year, that is, gentlemen, \$4; ladies, \$3. W. H. Taplin, of Dailedouze Bros., will give a talk on "Carnations" before the club at the next meeting, carantion night, February 14. Ladies and men not members, who are interested in the carnation, are invited to attend. Mr. Taplin's writings are well known to and appreciated by readers of the AMERICAN FLORIST. He is a genial and intelligent talker and well qualified to handle this subject. If you want a seat, get there early.

The first reception and dance of the Florists' social club was held at the Leslie rooms, 260 West Eighty-third street, on the night of January 29. It was a very successful and well managed affair and credit is due Sam. Gilbert, Sam. Branch, Tony Pomper and other employes of Chas. H. Brown for their work of arrangement. The gathering was largely composed of young people connected with the retail trade, and their friends. Among those present were Chas. H. Brown, wife and daughter, and a number of others prominent in the trade. About 75 couples took part in the grand march and the music, dancing and other accessories of a successful social event were of a high order.

M. C. Ebel, of the Aphine Co., says that the test of Aphine, at the Boston Flower Market, January 29, was most satisfactory. He has arranged with the Henry F. Michell Co., of Philadelphia, for a test in its new store February 12. The results of past demonstrations have been so gratifying to the company that it is proposed to continue them indefinitely in the leading cities of this country.

Daniel F. Ryan, formerly employed in the park department, shot and killed one of his children on January 31, and shot another child and himself so seriously that both are likely to die. Ryan was unfortunate in losing his position and it doubtless drove him insane.

Much regret is felt on account of the illness of John Reimels, of Woodhaven. As announced in the last issue of the FLORIST he was taken suddenly ill in Pittsburg while attending the convention. It is not believed, however, that his condition is serious.

Ex-president Traendly, of the S. A. F., who attended the carnation convention and exhibition at Pittsburg, was well pleased with what he saw there, as well as with the hospitality extended by the Pittsburg people.

Miss Hannechen Andreae died at Central Valley, January 29, aged 64 years. She was a daughter of Otto Andreae, who for many years was a shipper to this market. Mr. Andreae is now over 90 years old.

The date of the New York Florists' Club dinner, it will be noted, covers the meeting of the American Rose Society in this city. It is expected that the rosarians will attend in force.

John Reimels, who, as previously reported, was taken seriously ill at Pittsburg, has reached home. He is yet a sick man, but it is believed that his condition has improved.

While the observation of carnation or McKinley day was not very noticeable, it helped to clean up carnation stock January 29.

John J. Phalon, a retailer of Pater-son, N. J., who buys from J. K. Allen, bought 1,000 carnations for McKinley day.

BOWLING.

The Astoria florists' bowling club gave a ladies' night January 25, 36 attending and all having an enjoyable time. The club provided prizes to be competed for by the ladies and in turn the ladies' bowling club, which is composed of the wives of the mem-

bers of the Florists' bowling club provided six prizes to be competed for by the gentlemen. Each lady received a prize. W. H. Siebrecht, Sr., received the prize for the greatest number of strikes, John Miesem that for lowest score in the first game, Herman H. Lorenz for making nearest to 77 in any frame, John Donaldson for the greatest number of spares, John Boese for the lowest score in the second game and Philip Einsman for making nearest to 95 in any frame.

The prizes received by the ladies consisted of fancy dishes, plates, bric-a-brac, vases, etc. Prizes received by the men were two boxes of cigars, cigar case, automatic cigar lighter, florist's knives, muffler and a diamond ring. The ladies' bowling club bowls Tuesday afternoons and the men's club in the evening. On this occasion the ladies remained in the building and the men joined them for supper. During the supper ex-Captain John Miesem was presented with a token of the high esteem in which he is held by the club and in recognition of his services as captain. All had a very enjoyable time. This is the second year of the club, and it is certain that it will have a prize-winning team at Rochester this year.

Orange Growers Warned.

The Satsuma orange, one of the Mandarin class, introduced from Japan, is the earliest and at the same time one of the hardest oranges grown. Owing to these qualities, it is gaining considerable popularity in the south. But one peculiarity of the Satsuma orange is that it is worthless as a fruit bearer unless grafted or budded on Citrus trifoliata.

Sour orange and sweet orange have been generally used as stocks by growers of citrus fruits in the south, and during recent years the hardy trifoliolate orange of China and Japan has come into prominence as a stock. For soils to which it is adapted it may be used with excellent success, but it is not adapted to light, sandy soils.

It has been found in practice that certain citrus varieties behave differently when grafted on stock of different species. This is particularly true of the Satsuma orange. Grafted on sweet or sour orange stock it is worthless, while on trifoliolate stock it succeeds admirably. As the trifoliolate stock is adapted only to fairly rich, moist soils, the mistake is sometimes made of using the other stocks named with a view to growing Satsuma oranges on light sandy soils. Some nurserymen have grafted Satsuma orange scions on sour orange stock, and are now offering them for sale. In order to warn growers against a serious mistake, the United States Department of Agriculture has issued a circular (No. 46, bureau of plant industry), prepared by Walter T. Swingle. Mr. Swingle says: "It is no exaggeration to say that he who plants a Satsuma orange tree grafted on sour stock might better bury a five dollar bill and burn the tree, which, if planted, will linger along for years, only to be finally dug up as worthless." He tells how the intending purchaser can distinguish between the trifoliolate and the sour-orange stock, and offers the assistance of the department to those who desire to make sure on this or other points.

ST. LOUIS, MO.—The Schisler Seed Co. has been incorporated with capital stock \$20,000, to deal in plants, shrubs, etc.

STREATOR, ILL.—A new carnation, Mrs. Fawcett Plumb, pink and white variegated, is reported from the W. C. Hill Floral Co.

1887

Telephone 167 Madison Square.

1910

J. K. ALLEN,**Wholesale Commission Florist,**
Established 1887.

106 West 28th Street,

NEW YORK CITY.

Open the year around to receive shipments of Cut Flowers.

Open Every Morning at 6 a. m.

Prompt Returns To Shippers

Traendly & Schenck,**WHOLESALE FLORISTS,**44 WEST 28th STREET.
Phones, 798 and 799.**NEW YORK.****Young & Nugent,**

Telephone 2065-2066 Madison Square.

42 West 28th Street,
To out-of-town florists
We are in the Heart of**New York**

And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

CHARLES MILLANG **Wholesale Florist**On the ground floor of New York Cut Flower Co.
and Cut Flower Exchange,26th Street and 6th Avenue and
444 6th Avenue,**NEW YORK**

Open from 6 a. m. to 6 p. m. The "Hub" of the Wholesale District.

Alexander J. Gullman,
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES, 1664-1665 MADISON SQUARE.
ENOUGH SAID**Moore, Hentz
& Nash,****WHOLESALE COMMISSION FLORISTS.**

55 and 57 West 28th Street,

Telephone No. 756
Madison Square.**NEW YORK.**

Mention the American Florist when writing

Give us a
Trial.
We can
Please you.Roses, Carnations and all kinds of
Seasonable Flowers in Stock.**WM. F. KASTING CO.** Wholesale
Commission Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

Mention the American Florist when writing

B. S. Slinn, Jr.**WHOLESALE FLORIST**55 and 57 W. 26th St., **NEW YORK**

Telephones: 4620 4621 3864 Madison Sq.

VIOLETS **CARNATIONS**
AND ROSES

Shipping Orders Receive Prompt Attention.

YONKERS, N. Y.—Steps were taken at a recent meeting of several prominent florists in the Kleinhert building to organize the Yonkers Horticultural Society. The following temporary officers were chosen: Frank Knapper, president; Charles Louth, secretary; Peter Macdonald, treasurer.

Wholesale Flower Markets

| NEW YORK, Feb. 2 | |
|-----------------------------------|-------------|
| Roses, Beauty, special..... | 50 00@60 00 |
| fancy..... | 30 00@40 00 |
| Bride, Bridesmaid, special..... | 10 00@12 00 |
| extra and fancy..... | 8 00@10 00 |
| No 1 and No 2..... | 4 00@6 00 |
| Killarney, special..... | 12 00@20 00 |
| extra and fancy..... | 8 00@10 00 |
| No. 1 and No. 2..... | 4 00@6 00 |
| My Maryland..... | 4 00@20 00 |
| Richmond..... | 3 00@20 00 |
| Carnations..... | 2 50@5 00 |
| Callas..... | 1 00@1 25 |
| Cattleyas..... | 40 00@60 00 |
| Gardenias..... | 2 00@4 00 |
| Hyacinths..... | 1 00@1 50 |
| Lilium Longiflorum..... | 8 00@10 00 |
| Lily of the Valley..... | 1 00@3 00 |
| Mignonette..... | 50@1 00 |
| Narcissus Paper White..... | 1 00@2 00 |
| Trumpet Major..... | 3 00@5 00 |
| Sweet Peas, per doz, bunches..... | 75@1 50 |
| Tulips..... | 1 50@5 00 |
| Violets..... | 25@60 |

| BUFFALO, Feb. 2. | |
|--------------------------------------|-------------|
| Roses, Beauty, special..... | 5 00 |
| fancy..... | 4 00 |
| extra..... | 3 00 |
| Bride, Maid, Killarney..... | 4 00@15 00 |
| Carnations..... | 2 00@4 00 |
| Daffodils..... | 3 00@5 00 |
| Daisies..... | 1 00@1 50 |
| Hyacinths, Romans..... | 3 00@4 00 |
| Lilium Longiflorum..... | 12 00@15 00 |
| Lily of the Valley..... | 4 00@5 00 |
| Mignonette..... | 3 00@5 00 |
| Narcissus..... | 2 00@3 00 |
| Stevia..... | 1 00@1 25 |
| Sweet Peas..... | 5 @1 00 |
| Tulips..... | 3 00@5 00 |
| Violets, double..... | 75@1 00 |
| Adiantum..... | 75@1 50 |
| Asparagus..... | 25 00@50 00 |
| Asp. Plumosus strings..... | 40@50 |
| Ferns..... | 2 00 |
| Galax, Green or Bronze per 1000..... | 1 50 |
| Smilax strings..... | 15 00 |

August Millang**WHOLESALE FLORIST**41 W. 28th St., **NEW YORK****N. Y. Cut Flower Exchange**

Coogan Bldg., 6th Ave & W. 26th St., New York.

Open for Cut Flower Sales at 6
o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

V. S. DORVAL, Secretary.

MONTPELIER, VT.—Fred Benway of Kent street has lost the entire contents of his greenhouse owing to the intense cold but he will restock.

HORACE E. FROMENT**WHOLESALE COMMISSION**American Beauty Roses a specialty. Roses,
Violets, Carnations, Valley, Lilies, Etc.57 West 28th St., **NEW YORK CITY**

Telephones: 2200 and 2201 Madison Square.

Mention the American Florist when writing

Walter F. Sheridan**WHOLESALE FLORIST,**

Telephones: 3532 and 3533 Madison Sq.

39 West 28th St., **NEW YORK.**

Mention the American Florist when writing

— FLOWERS SHIPPED BY —

JOHN I. RAYNORAre the best product of the best growers
for the New York market.

Adiantum Croweanum sold here exclusively.

49 West 28th St., **NEW YORK**

Telephone 1998 Madison Square.

KESSLER BROS.50 W. 28th St., **NEW YORK.****CUT FLOWERS****Wholesale Plantsmen and Florists.**Phone 2336 Madison Shipments Everywhere.
Prompt and satisfactory. Consignments solicited.

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FORD BROS.,

Receivers and Shippers of

Fresh Flowers48 West 28th St., **NEW YORK.**

Telephone 3870-3871 Madison Square.

ALFRED H. LANGJAHR**WHOLESALE FLORIST,**55 W. 28th Street, **NEW YORK.**All flowers in season. Consignments of first
class stock solicited.

Telephones 4626 and 4627 Madison Square.

Greens! Greens! Greens!

Boxwood, per case, 50 lbs., \$7.50; 100 lbs., \$14.00
Leucothoe Sprays, per 100, 50c; per 1000, \$4.00.
Galax, green and bronze, per 1000, 75c; per case 10 000, \$6.00.
Wild Smilax, per 50-lb. case, \$5.00; 2 case lots, \$9.00; 4 case lots, \$16.
Smilax, per dozen strings, \$1.50.
Fancy Eastern Ferns, per 1000, \$1.50; per 5000, \$6.25.
Green Sheet Moss, per bundle, \$1.00.
Sphagnum Moss, per bundle, \$1.00.

William Murphy,

Wholesale Commission Florist.

L. D. Phone 311 Main St., Cincinnati, O.
 M 980.

George Cotsonas & Co.

Wholesale and Retail Dealers
 in all kinds of

Evergreen

Fancy and Dagger
 Ferns. Bronze and
 Green Galax.
 Phone 1202 Mad. Sq.

Main Store, 50 W. 28th St., NEW YORK.

New Crop Ferns

FANCY and **DAGGER** ready May 1st.
 Special price for large orders
 Price \$1.25 per 1000.

CALDWELL THE WOODSMAN CO.,
Evergreen, Alabama

Lincoln, Neb.

STATE FLORISTS' SOCIETY ORGANIZED.

A move has been made to organize the florists of the state into a society for the general welfare of the craft, a meeting having been held here January 19. Some of the local men are members of the Nebraska Horticultural Society, but it seemed that this society does not appeal to many, hence the new organization as an auxiliary. The following officers were elected to serve one year:

Irwin Fry, Lincoln, president.
 Louis Henderson, Omaha, vice-pres.
 E. Williams, Grand Island, secretary.
 M. Atkinson, David City, treasurer.
 Board of directors.—C. H. Green, Fremont; B. Simanton, Falls City; R. Dole, Beatrice.

By-laws were perfected and the first annual meeting will be held at this city during the meeting of the Horticultural Society. We believe that practically every florist in the state will take hold and we shall certainly be heard from in the near future. E. W.

Nashville.

There has been nothing startling in the floral world since the holidays. A very good quality of stock is coming in, sufficient for all demands, consisting of roses, carnations, lily of the valley, Roman hyacinths, narcissi, violets and lilies.

McIntyre Bros. are to be seen almost any morning in the market house with a beautiful display of plants, often when the thermometer registers below freezing. They have covered heated wagons and bring in the plants, for which there is always a ready sale, with perfect safety.

The funeral of the late John B. Ramson, millionaire lumber dealer, made an unprecedentedly large call. The retailers had all they could do. The designs were exceedingly handsome and they were sent out in wagon loads.

Geny Bros. have a house of sweet peas just coming in, from which they are making their first cut. They have



FANCY.

Henry M. Robinson & Co.

Wholesale Commission Florists.

Cut Flowers of all kinds, **Hardy Cut Evergreens** and **Florists' Supplies.**

Dagger and Fancy Ferns \$1.50 per 1000
Bronze and Green Galax \$1.00 per 1000; 8.50 per 10 000
Leucothoe Sprays \$1.00 per 100; \$7.50 per 1000

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays,

A large stock constantly on hand. Can fill orders at a moment's notice, Telephone or telegraph.

Telephones: 2617-2618 Main; Fort Hill 25290.
 15 Province Street and 9 Chapman Place,

BOSTON, MASS.



FANCY FERNS, \$1.75 per 1000

New Crop Galax, Bronze or Green..... \$1.25 per 1000; 10.000, \$7.50
Sphagnum Moss, large bales \$1.25; 6 bales, \$7.00. Extra fine
Leucothoe Sprays, Green and Bronze..... \$1.00 per 100; \$7.50 per 1000
Boxwood..... per bunch, 35c; 50-pound case, \$8.50

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists and Florists' Supplies,

38-40 Broadway,

All phone connections.

DETROIT, MICH

HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

Wholesale Flower Markets

| ST. LOUIS, Feb. 2. | |
|----------------------------------|-------------|
| Roses, Beauty, long stems..... | 30 00@40 00 |
| " " medium stems..... | 15 00@20 00 |
| " " short stems..... | 6 00@10 00 |
| " Bride, Bridesmaid..... | 6 00@10 00 |
| " Chateau..... | 6 00@10 00 |
| " Killarney..... | 6 00@10 00 |
| " My Maryland..... | 4 00@6 00 |
| " Richmond..... | 6 00@10 00 |
| Carnations..... | 3 00@4 00 |
| " fancy..... | 12 50@15 00 |
| Callas..... | 12 50@15 00 |
| Easter Lilies..... | 1 50@2 00 |
| Hyacinths, Roman..... | 3 00@4 00 |
| Jonquils..... | 2 00@2 50 |
| Narcissus..... | 50@75 |
| Sweet Peas..... | 1 50 |
| Adiantum..... | 2 00@3 00 |
| Asparagus Sprengeri..... | 1 00@2 00 |
| Ferns, fancy..... per 1000, 1 75 | |
| Smilax..... | 12 50@15 00 |

| CINCINNATI, Feb. 2. | |
|------------------------------------|-------------|
| Roses, Beauty..... | 2 00@6 00 |
| " Bride, Bridesmaid..... | 3 00@8 00 |
| " Golden Gate..... | 3 00@8 00 |
| " Killarney..... | 4 00@10 00 |
| " Richmond..... | 4 00@10 00 |
| Carnations..... | 3 00@4 00 |
| Callas..... | 12 50 |
| Hyacinths, Roman..... | 3 00 |
| Lilium Longiflorum..... | 15 00 |
| Lily of the Valley..... | 4 00 |
| Narcissus, Paper White..... | 3 00 |
| Violets, single and double..... | 1 00@1 50 |
| Adiantum..... | 1 00@1 50 |
| Asparagus Sprengeri, per bch..... | 25 |
| Ferns, Eastern..... per 1000, 1 50 | |
| Galax, Bronze..... per 1000, 1 25 | |
| Smilax..... | 12 50@20 00 |

| MILWAUKEE, Feb. 2. | |
|---------------------------------|------------|
| Roses, Beauty..... | 1 50@6 00 |
| " Bride Bridesmaid..... | 5 00@12 00 |
| " Killarney..... | 5 00@15 00 |
| " Liberty, Chateau..... | 2 00@8 00 |
| " Perle..... | 4 00@10 00 |
| " Richmond..... | 4 00@10 00 |
| Carnations..... | 1 50@4 00 |
| Lilium Giganteum..... | 15 00 |
| " Longiflorum..... | 15 00 |
| Lily of the Valley..... | 3 00@4 00 |
| Narcissus, Paper White..... | 3 00 |
| " Trumpet Major..... | 3 00@4 00 |
| Sweet Peas..... | 75@1 00 |
| Violets..... | 75@1 00 |
| Adiantum..... | 1 50 |
| Asparagus..... per string..... | 50 |
| " Plumosus, per bunch..... | 35 |
| " Sprengeri..... | 35 |
| Ferns, Fancy..... per 1000..... | 2 00 |

C. A. KUEHN, Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Mention the American Florist when writing

WM. C. SMITH Wholesale Floral Co. WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Supplies and Everything in Season always on hand

Mention the American Florist when writing

H. G. BERNING, Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

Perpetuated and Natural Sheet

MOSES Southern Wild Smilax.

E. A. BEAVEN,

Evergreen, Ala.

fine stock now from their new plant on the Morrow road, notably Killarney roses.

M. C. D.

SCHENECTADY, N. Y.—Stanley G. Barnes, who has been employed for the past few years at Limmer's, on State street, left January 22 for Pittsfield, Mass., where he will open a retail store. He went with the congratulations and best wishes of his many friends.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

GREAT BRITAIN**WILLS & SEGAR,**

Royal Exotic Nursery,

Onslow Crescent. S. Kensington, London

FLORISTS TO HIS MAJESTY THE KING.

We shall be pleased to carry out commissions from our American confreres to deliver CUT FLOWERS, FLORAL BASKETS, DESIGNS, etc., to any part of Great Britain.

Cablegrams—"FLOSCULO, LONDON."

Alexander McConnell,

571 Fifth Ave., Windsor Arcade,
NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL
Western Union Code.

Cleveland, O.

The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Dayton, O.

Matthews,

—FLORIST—

16 W. 3rd Street.

Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones

St. Paul, Minn.

**HOLM & OLSON,
ST. PAUL.**

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in MINNESOTA AND THE DAKOTAS.

Los Angeles, Calif.

**J. W. Wolfskill,
FLORIST.**

Telegraph Orders
A Specialty. 218 W. 4th St.

St. Paul, Minn.

L. L. MAY & CO.

Order your flowers for delivery in this section from the

Leading Florists of the Northwest

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Evansville, Ind.

—THE—

Wm. Blackman Floral Co.
402 MAIN STREET

Prompt attention given to all mail, telephone and telegraph orders.

Louisville, Ky.

Established 1880.

M. D. REIMERS

"Successor to Chas' W. Reimers.

.....329 Fourth Avenue

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway

Telephones: 1552-1553 Columbus. Choice Cut Flowers

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers and Boland,

FLORIST

60 KEARNEY STREET.

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

Pittsburg, Pa.

H. L. BLIND & BROS.,

Two Stores: Liberty Av. & 5th St., 5424 Center Av.
Greenhouses: West View.

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Kansas City, Mo.

Geo. M. Kellogg Flower and Plant Co.,
906 GRAND AVE.

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

Terre Haute, Ind.

John G. Heint & Son,

129 South Seventh St.

Telephone 247.

We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

Pittsburg, Pa.

A. W. SMITH CO.

KEENAN BLDG.

Largest Floral Establishment in America
Established 1874. Incorporated 1909.

Rochester, N. Y.

J.B. KELLER SONS,

FLORISTS

25 Clinton Avenue, N.

Rochester Phone 506. Long Dis. Bell Phone 2189

M. A. Bowe

IN HEART OF NEW YORK CITY

Phone 2270 38th St. 1294 Broadway
Our Motto—THE GOLDEN RULE

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

New York.

The Flower Shop

136 W. 42nd St. Phone 259 Bryant.
Near Knickerbocker Hotel.

Finest quality of Roses, Orchids, Gardenias, etc.
Particular attention paid to Steamer and Hotel orders.

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To **THOS. F. GALVIN, Inc.,**
124 TREMONT ST.

THE J. M. GASSER COMPANY,

CLEVELAND, O.

We Cover All Points in Ohio.

St. Louis, Mo.

Write, Wire or Phone Your Orders to

YOUNGS

1406 Olive Street,

Regular discount allowed on all orders, either
Plants or Cut Flowers,
Phones Bell, Main 2306, Kinloch, Central 4981

Kansas City, Mo.

Samuel Murray

..... FLORIST

1017 Broadway Coates House
Both Phones 2670 Main. Conservatory

Write, Telephone All orders given prompt
or Telegraph. attention.

New York.

We Guarantee Satisfaction.

A. T. Bunyard Floral Co.

413 Madison Ave. cor. 48th St.

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

MICHIGAN.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Wheeling, W. Va.

Arthur Langhans will shortly move his store from Market street to Chapline street and intends to build a palm house in connection with it.

Frank C. Seibert has rented the place until recently run by Edward O'Neil.

The Wheeling Floral Co. has gone out of business.

SCRANTON, PA.—The Florists' Club commemorated the birth of Wm. McKinley by decorating the bust of the martyred president in the Federal building January 29.

Kansas City, Mo.

**WILLIAM L. ROCK,
Flower Co.,**

Will carefully execute orders for
Kansas City and any town in

Missouri, Kansas or Oklahoma.

Worcester, Mass.

Business since Christmas has been the best ever in the history of the florist trade. At present the supply of flowers is about normal; carnations and violets are in good supply with a scarcity of good roses.

The interest of horticulturists was aroused January 27 at the winter meeting of the Worcester County Horticultural Society. Secretary Adin A. Hixon having been informed that George McWilliam would show one of his new orchid seedlings, he notified the members and the gardeners and florists attended in large numbers. The plant shown is the result of a cross between Calanthe vestita rubro-oculata and C. Regneri, the former being the pollen parent. The seed was sown May 3, 1902. The flowers are white with a purplish red center; there were four bulbs on the plant with three flower spikes and about 35 flowers on each spike. The plant is a valuable addition to the calanthes, inasmuch as it fills a long-felt want between the early and late flowering kinds. Mr. McWilliam has named the plant Calanthe Orpetiana, after Edward O. Orpet, South Lancaster, the well-known orchid expert.

Charles W. Wood was chairman of the meeting and with appropriate remarks introduced Professor Brooks, director of the Massachusetts Agricultural College at Amherst. Professor Brooks spoke of "The Uses and Abuses of Chemical Fertilizers." The talk was informal. Prof. Brooks spoke that all might be benefited by his advice and suggestions. All present took a keen interest in his remarks. He advised all to keep more live stock on the farm and deplored the fact that in the past three years 30,000 cattle have gone out of the state. The growing of clover and other crops for humus, he said, was indispensable in good farming and a good many crops could be grown after the regular crop was taken off, while the land in some cases remains idle. When asked what was the best brand of fertilizer to use Professor Brooks said it was almost impossible to answer that. Each one had to know the soil he had to work and each fertilizer acted differently, but all reputable manufacturers aimed to make the best, and by buying of reputable firms one may be assured that the fertilizers will contain what they are guaranteed to. At the experiment station they use those that can be used to best advantage.

Lange had the decoration for the society event of the year, the marriage of Miss Marguerite Elizabeth Thayer, daughter of the Hon. John R. Thayer, and Dr. William Carter Quimby, of Boston, January 28. The flowers used were American Beauty and pink roses.

John Coulson has completed a new greenhouse, 20x50 feet, at his place on May street.

R.

Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.

— Deliveries in —

NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

New York.

MYER, FLORIST,

609-611 Madison Ave.

Phone 5297 Plaza.

Indianapolis, Ind.

Bertermann Bros. Co.

FLORISTS

.....241 Massachusetts Ave.

Omaha, Neb.

Hess & Swoboda,

FLORISTS,

1415 Farnum St.

TELEPHONES
1501 and 1 1589

Denver, Colo.

**The Park
...Floral Co.**

J. A. VALENTINE, President.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or
cable. Cable address "Daniels, Denver"

Toronto, Can.

Canada's best known and most reliable florist

**Only
the
Best**

Dunlop's

96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.



**Seattle,
Wash.**

L. W. McCOY

GEO. A. HEINL, Leading Florist,
TOLEDO, OHIO.

All Orders Promptly Executed.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.

Wittbold
FLORIST

739 Buckingham Place,

L. D. Phone 558 Lake View.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Chicago.

HAUSWIRTH FLORIST

Auditorium Annex.

Mail, Telegraph or Telephone Orders Filled Promptly in Best Style.

Cincinnati, O.

JULIUS BAER,

138-140 E. Fourth St.
Long Distance Phone.

New Orleans—

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838—
CANAL ST.

Savannah, Ga.

JOHN WOLF,

Wholesale and Retail
FLORIST.Kalamazoo and
Battle Creek, Mich.

H. A. FISHER CO.

Wholesale and Retail Florists.

We Handle Everything in Season.

Pittsburg.

The convention being over, business is back again to its normal state after a lull of a few days. McKinley day did not create the demand for carnations the florists anticipated, and Saturday evening found many of them loaded down. Roses are selling up pretty clean and Beauties are much sought, there being not enough in the market to fill one-third the orders. An abundance of fine lilies, jonquils, sweet peas, Roman hyacinths, lily of the valley and freesias are coming in. Tulips are very plentiful, but very short in the stem.

L. L. Lamborn, Alliance, O., visited the convention, but his visit was suddenly cut short by the news that his business block in Canton was in flames.

J.

Washington,

D. C.

14th and H Streets.

Blackstone

Also

1601 Eutaw Place,

Baltimore, Md.

Lansing, Mich.

Gurdon B. Smith

Covers all Points in Michigan. Best of Shipping Facilities in all Directions. Always has the best of Everything.

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

FROM NEW YORK, EXCEPT AS NOTED.
February 8.

Statendam, Holland-Amer., 9 a. m., Hoboken pier.

FROM BOSTON—Ivornia, Cunard, 8 a. m., Cunard Wharf.

February 9.

Mauretania, Cunard, 9 a. m., Pier 56, North River.

Vaderland, Red Star, 10 a. m., Pier 14, North River.

FROM ST. JOHN, N. B.—Sardinian, Allan.

February 10.

La Savoie, French, 10 a. m., Pier 42, North River.

Main, N. Ger. Lloyd, 10 a. m., Hoboken Pier.
FROM BALTIMORE—Roon, N. Ger. Lloyd, 2 p. m., Pier 9, Locust Point.

February 11.

FROM ST. JOHN, N. B.—Empress of Britain, Can.-Pacific.

February 12.

Caledonia, Anchor, 10 a. m., Pier 64, North River.

Adriatic, American, 10 a. m., Pier 15, North River.

Pannonia, Cunard, 12 noon, Piers 51 and 52, North River.

Canopic, White Star, 12 noon, Pier 48, West 11th Street.

Amerika, Ham. Amer., 11 a. m., Hoboken Pier.

Venezia, Fabre, 1 p. m., Amity Dock.

Koenig Albert, N. Ger. Lloyd, 11 a. m., Hoboken Pier.

FROM PORTLAND—Canada, White Star-Dom.



WASHINGTON

D. C.

Gude's

Washington, D. C.

Geo. C. Shaffer,

:: FLORIST ::

Phone 2416 Main

14th & Eye Sts., N. W.

Write, Telegraph or Telephone.

Buffalo, N. Y.

Palmer's Flowers of Quality
W. J. Palmer & Son,
304 Main St.



Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on Telegraphic Order.

11 NORTH PEARL STREET.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in Wisconsin.

Louisville, Ky.

JACOB SCHULZ,

550 So. Fourth Avenue.

Anderson, S. C.

THE ANDERSON FLORAL CO.

533 MARSHALL AVE.

The Seed Trade.

American Seed Trade Association.

J. C. Robinson, Waterloo, Neb., Pres.; M. H. Duryea, New York, First Vice Pres.; F. W. Bolgiano, Washington, D.C., Second Vice Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.; Leonard H. Vaughan, Chicago, Asst. Sec'y. Twenty-eighth annual convention, at Atlantic City, N. J. June 21, 1904.

THE Cannery convention will be held at Atlantic City, N. J., February 7-11.

HERB seeds and some other odd items are slow in coming in and of poor test.

THE trade is wondering to what extent the floods in the vicinity of Paris have injured stored stocks for seed growing.

ONION SET contract prices are being made on a basis of last year's figures. Prices for immediate delivery are probably a shade lower.

CONTRACT prices for tuberose bulbs the coming year probably will be affected by the high price of cotton, many of the southern farmers looking on the cotton crop as being more profitable in view of the present unprecedented high prices.

CHICAGO.—Contract prices on the board of trade February 2 for grass seed were noted as follows: Timothy, \$4.25. White clover, from 20 cents to 25 cents.—Visitors: A. Lehman, Lompoc, Calif., with wife and family; enroute to Europe; J. C. Bodger, Gardena, Calif., returning from the east; C. W. Scott, New York; E. L. Olmsted, of the Everett B. Clark Seed Co., Green Bay, Wis.

BRISTOL, PA.—On January 25, Alfred Landreth, a grandson of the founder of the well-known seed firm of that name, died at this place. Mr. Landreth was not identified with the business, but was a man of great gentleness and affability and won the affection of everyone with whom he was brought in contact. He was a soldier on the Union side in the war of the rebellion.

NEW YORK.—C. W. Scott, of Vaughan's Seed Store, has the sympathy of the trade in the loss of his father, who died at his home in Grand Rapids, Wis., January 30. Alex. Henderson and M. Barker attended the funeral. Carl Cropp, of the firm's Chicago establishment, is in the city with headquarters at the Barclay street store. Douglas Roy, formerly of the same store, has taken a position

in the Chicago house.—Harry Bunnard, of A. T. Boddington's store, was a delegate to the Pittsburg convention and enjoyed it immensely.—Arthur Watkins, of W. E. Marshall & Co., is confined to his rooms by an attack of inflammatory rheumatism.—The seedsmen, as a rule, report good business and there are indications that this will be a record breaking season.—Joseph Miller, 29, an employee of J. M. Thorburn & Co., lost his life attempting to board a moving freight elevator January 31.

Commission Seeds.

Persons having small garden patches commonly buy most or all of their vegetable seeds in small packages from what are known as "commission packages," i. e., boxes put up by dealers in seeds which contain an assortment of

"commission packages" from one season to the next. Whoever puts up the packages is responsible if he does not take the same pains to put seed of good quality into these packages that he takes in supplying those who buy in larger quantities.

The comparatively few tests made of these seeds during the last season are enough to show that some of these "commission boxes" contain seeds which are agriculturally worthless and can bring only disappointment and loss to those who buy them.

In the spring of 1909 our agent bought 83 packages, representing seven varieties of garden seeds. These were put up by 17 different firms and bought in different parts of the state. The results of the tests may be summarized as follows:

Lettuce.—Not less than 85 per cent



PACKING DEPARTMENT OF WILDPRET BROS., PORT OROTAVA, TENERIFFE.

During the Packing of one of their Largest Orders For 14,000 Pounds of Bermuda Onion Seed to One Customer in This Country.

the most commonly used garden varieties. The garden, cared for by members of the owner's family, contributes very materially to their support and its partial failure materially increases the cost of living. Fresh seed, true to name, is the first essential of success. Responsibility for the quality of the seed rests primarily with the retail dealer, if he carries over his

of lettuce seed should germinate. Six out of the 15 package samples showed inferior germination and four at least were unfit for use. One sample seemed to be a mixture of fresh and old seed; 85 per cent of the fresh-looking seed sprouted and only 25 per cent of the old seed.

Radish.—Ninety per cent of radish seed should germinate. Only four samples germinated as high as this. Of the other 13 samples, four were fairly good, the others quite inferior and four agriculturally worthless on account of low vitality.

Onion.—Seventy-five per cent of Connecticut grown onion seed should germinate. Half of the samples examined fell below this standard and five were worthless.

Cucumber.—Eighty-five per cent germination is the standard for this seed. Half of the samples equalled or exceeded this, the other half were inferior.

Muskmelon.—Of the twelve samples tested, five germinated 85 per cent, or more, and on the other hand three samples germinated less than 50 per cent.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

Peas AND Beans

Alfred J. Brown Seed Co.,

Growers for the Wholesale Trade, GRAND RAPIDS MICH.



S. D. WOODRUFF & SONS, SEED GROWERS

Dealers in Garden, Field and Flower Seeds.
Specialties: Beet, Carrot, Corn, Peas,
Beans, Onion Sets and Seed Potatoes.
Catalogue free. Contracts taken.

Orange, Conn. 82-84 Dey Street,
NEW YORK.

GET QUOTATIONS FROM

LANDRETH SEEDS which SUCCEED

Bloomsdale Farm. **Bristol, Pa.**

QUALITY SEEDS BULBS PLANTS

SEND FOR CATALOGUE.

ARTHUR T. BODDINGTON

342 West 14th St., New York.

CABBAGE SEED LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.
Logangstraede 20, COPENHAGEN, DENMARK

MANN'S Lily of the Valley

are the finest in existence and their flowers
bring the best prices on the London market
For quotation please apply to

OTTO MANN, Leipzig, Saxony, Germany.

Watermelon.—Only seven samples were tested. Over 80 per cent of the seed in three packages germinated and three others germinated less than 50 per cent. The package of one firm contained seeds of at least two varieties, quite different in size and color.

The number of tests is quite too small to justify a judgment as to the general quality of seeds put up by any seedsmen.

It is quite possible for the retailer to sell seed which has lain over in his hands from a previous year, and it may be that some samples were taken from such boxes. It appears, however, that some of the seed boxes from which small quantities of vegetable seeds are sold contain old and worthless stock.

Two firms sold by the ounce and all the other seeds were in five-cent packages. Examination shows that in four of the varieties some packages contained three times the weight of seed found in others.—Conn. Exp. Stn. Bull.

A Note From Muscatine, Ia.

ED. AMERICAN FLORIST:—

We think your seed page better than ever and enjoy it very much. Have had the longest spell of good sleighing here for years, and although the ground is white, yet we are starting to prepare our first hotbeds for early plants. The extreme drought last August cut some of our seed crops short, but orders are coming in nicely and we hope to grow lots of seeds this year.
J. E. HOOPES & Co.

Winterson's Seed Store

45-47-49 WABASH AVE. Long Distance Phone CHICAGO
Central 6004

Plantsmen, Nurserymen, Seedsmen
and Florists' Supplies

We can supply everything the Florist Uses

Catalogue Free

ASTER SEED Smith's Peerless.

The best late White Branching Aster. Also a fine line
of the Standards in Early, Midseason and Late.

Write for Catalogue,

ELMER D. SMITH & CO.,

Adrian, Mich.

—FOR—

SEEDS

OF ALL KINDS APPLY TO

W. W. JOHNSON & SON, Limited,
Boston, England.



STOCK SEED

Fisk's Branching in all colors Trade packet.
40c. oz. \$4.00.
Pure White, tr. packet.
50c. oz. \$5.00
Also Beauty of Nice strains.
H. E. FISKE SEED CO.,
Boston, Mass.

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,
Bean, Cucumber, Tomato, Pea, Muskmelon,
Squash, Watermelon, Radish, Sweet Corn.
Correspondence solicited.

Imports.

During the week ending January 29 imports were received at New York as follows:

Brown Bros. Co., 3,000 bags sunflower seed, 500 bags seed.
McHutchison & Co., 84 cases bulbs.
C. C. Abel & Co., 22 cases trees.
Stumpp & Walter Co., 4 pkgs. bulbs.
W. Hagemann & Co., 2 cases bulbs.
H. F. Darrow, 105 cases valley, five cases seed.
Wm. Elliott & Sons, 42 pkgs. seed.
Schulz & Ruckgaber, 7 bags seed.
Phillips Seed Co., five cases seed.
Vaughan's Seed Store, four pkgs., one case seed.

Weeber & Don, one pkg. seed.
P. Henderson & Co., one case seed.
Burnett Bros., one case seed.
To others, 19 cases plants, 224 cases bulbs, 26 cases valley, 314 bags, 299 pkgs. 54 cases, 13 bbls. seed, 175 bags clover seed, 125 bags sunflower seed, 100 bags poppy seed.

ASPARAGUS

Sprengeri, per 1000 seeds 75c

PETUNIA

Large flowering, double fringed, trade pkt .. 1 00
Large flowering, single fringed, trade pkt .. 50
Large flowering, single fringed, California Giants..... 50

SALVIA Zurich, oz...... 5 00
Triumph, oz...... 5 00
MOONFLOWER, White Seed 35

FRESH TOBACCO STEMS.

Bale of 300 lbs., \$1.75; ton, \$9.00.

W. C. BECKERT, Seedsman,

103 Federal St., N.S., PITTSBURG, PA.

Mention the American Florist when writing

JOHN BODGER & SONS CO. Gardena, Calif.

Wholesale Growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.

Mention the American Florist when writing

Waldo Rohnert GILROY, CAL.

Wholesale Seed Grower

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbe a, in variety.
Correspondence solicited.

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Pape & Bergmann, Quedlinburg, Germany.

Elite Seeds of Flowers and Vegetables.

Specialties: Stock, Pansies, Cyclamen, etc., Cactus Dablias Bulbs. General Catalogue Free
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Fancy Leaved Caladiums



An unexcelled collection of more than 150 varieties, including many of the newest Brazilian sorts, which are now offered for the first time.

SPECIAL SELECTIONS.

| | Per doz. | Per 100 |
|--------------------------------------|----------|---------|
| Choice Standard Varieties..... | \$1.50 | \$10.00 |
| New or Rare Varieties..... | 2.00 | 15.00 |
| Selected New and Rare Varieties..... | 3.50 | 25.00 |

For the most complete list of Seasonable
Bulbs, such as

Tuberous Rooted Begonias, Gloxinias, Etc.

See our current wholesale list.

The above prices are intended for the trade only.

Henry A. Dreer, 714 Chestnut St Philadelphia, Pa.

Home-Grown Sugar-Beet Seed.

As a result of an experiment which has been conducted near Phoenix, Ariz., it has been found that sugar-beet seed can be grown successfully in that section of the country, and better still, that it can be grown in a single year. In Arizona it is customary to plant sugar-beet seed the latter part of November, harvesting the crop the following July. It has been found that if the seed is planted a month earlier in the fall the beets will produce a crop of seed the following year. This takes sugar beets, for that section of the country, out of the biennial class, and puts them in with the winter annuals. It means the saving of a year in the production of seed, and will greatly simplify the process.

Nearly 7,000,000 pounds of sugar-beet seed are used in the United States every year. At present the bulk of this supply comes from Germany, and costs the American grower about 10 cents a pound. The German method of producing sugar-beet seed is rather complicated. When the beets are dug in the fall a number of the best specimens, averaging in size from 20 to 24 ounces, are selected for "mothers." A sample taken from each of these mothers is analyzed for sugar content. In some cases the density and purity of the juice are also determined.

These mothers are divided into grades, according to sugar content, and stored in silos during the winter. Those that fail to come up to the required standard are discarded. In the spring these mother beets are set out and cultivated carefully. From them the seed of commerce is produced. By these painstaking methods the sugar-producing ability of the beets is kept up to its present high standard, and even increased from year to year.

Recently beet seed has been grown to a limited extent in the United States in Utah and Washington. This home-grown seed has shown greater yielding ability than the seed from

Germany. The beets from home-grown seed have better quality and higher vitality, and seem better adapted to American conditions. Owing to the difficulty of production, however, beet-seed growing in Washington and Utah has not spread very rapidly.

With more favorable climatic conditions prevailing in Arizona, especially the absence of severe winter weather and the dryness at harvest time, it may be possible to make beet-seed growing an important industry there. Of course, since the beets are not dug in the fall, they cannot be selected as carefully as is done in Germany. Whether the quality of the product can be kept up by other methods of selection remains to be proven. Perhaps some method of breeding like that which is giving such good results in the corn fields of the Mississippi valley may be adapted to sugar beets. The Department of Agriculture has been asked to investigate the matter. The results of this investigation will be awaited with much interest by the people of the sugar-beet-growing districts.—Scientific American.

Why the Crops Were Big.

We thought it would happen; and it has. Senator Depew has attempted to vindicate the new tariff law. He made a speech in the senate from which the following is quoted:

"With the passage of the new tariff bill, we enter upon a period of prosperity unknown in the history of this or any other country. From results gathered by careful examination all over the country, there will be an increase in the production of winter wheat, spring wheat, corn, oats, barley and rye in 1909 over 1908, in round numbers, of one thousand one hundred and sixty-nine millions of bushels, or 27 per cent, and that 27 per cent increase is in comparison with a normal year. There will be an increase in the hay crop in the same period of over three millions and a half of tons."

We shudder at the thought of the dismal crop failures that would have resulted from the passage of a new tariff law different from the one given to the country by Aldrich and Cannon!—Lafollettes.

ESTABLISHED IN 1824.

Bridgeman's Seed Warehouse

RICKARDS BROS., Props.,
37 East 19th St., New York
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FLOWER SEEDS

Catalogue free on application.
Stamp letters 5 cents; foreign post cards 2 cents.

FREDERICK ROEMER,
Seed Grower, Quedlinburg, Germany.

CLEARING SALE

Perennial Rye Grass

(Lolium Perenne), crop 1909. The heaviest seed ever imported, weighing 26 lbs. per bushel. Samples on request; 1 lb. to 100 lbs., \$5.50. f.o.b. New Orleans.

THE AVENUE FLORAL CO.,
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Mention the American Florist when writing

Catalogues Received.

J. M. Thorburn & Co., New York, trade list of seeds; W. Atlee Burpee, Philadelphia, Pa., wholesale list of seeds; R. Vincent, Jr., & Sons Co., White Marsh, Md., geraniums; S. M. Isbell & Co., Jackson, Mich., seeds; Henry F. Mitchell Co., Philadelphia, Pa., wholesale list of seeds; American Blower Co., Detroit, Mich., steam traps; Henry A. Dreer, Inc., Philadelphia, Pa., wholesale list of seeds; D. Landreth Seed Co., Bristol, Pa., seeds; Weeber & Don, New York, seeds; O. V. Zangen, Hoboken, N. J., wholesale list of seeds; Arthur Cowee, Berlin, N. Y., gladioli; Wm. Elliott & Sons, New York, seeds; G. H. Hunkel Co., Milwaukee, Wis., seeds; Leonard Seed Co., Chicago, seeds; Morris & Snow Seed Co., Los Angeles, Calif., seeds; Reasoner Bros., Oneco, Fla., nursery stock; Livingston Seed Co., Columbus, O., tomatoes; Johnson Seed Co., Philadelphia, Pa., seeds; Moore Seed Co., Philadelphia, Pa., wholesale list of seeds.

CANNAS

F. O. B. New York or Chicago.

For Immediate Delivery.

We are the largest handlers of Cannas in the world. Our prices upon Cannas will bear comparison with any house in the Canna business. Stock unequalled.

RED-FLOWERING CANNAS.

| | 100 | 1000 |
|----------------------------------|--------|---------|
| Louisiana, 7 ft. | \$1.75 | \$15.00 |
| Alice Roosevelt, 4 ft. | 3.00 | 25.00 |
| A. Bouvier, 5 ft. | 1.50 | 14.00 |
| Beaute Poitevine, 3½ ft. | 2.00 | 17.50 |
| Black Prince, 3 to 4 ft. | 2.25 | 20.00 |
| Chas. Henderson, 4 ft. | 1.75 | 15.00 |
| Crimson Berber, 3 ft. | 2.00 | 17.50 |
| D. of Marlborough, 4½ ft. | 1.75 | 15.00 |
| J. D. Elsie, 5 ft. | 1.75 | 15.00 |
| Exp. Crampbell, 5½ ft. | 1.50 | 14.00 |
| Express, 2 to 2½ ft. | 2.25 | 20.00 |
| Pres. McKinley, 2½ to 3 ft. | 1.50 | 14.00 |
| Tarrytown, 3½ ft. | 1.75 | 15.00 |

RED, GOLD-EDGED AND SPOTTED SHADES.

| | | |
|---------------------------------|------|-------|
| Gladiator, 4 ft. | 2.75 | 25.00 |
| Cinnabar, 4½ ft. | 1.75 | 15.00 |
| Indiana, 3 to 4 ft. | 1.75 | 15.00 |
| Queen Charlotte, 3½ ft. | 2.25 | 20.00 |
| Mad. Crozy, 5½ ft. | 2.25 | 20.00 |
| Premier, 2½ ft. | 2.00 | 17.50 |
| S. de A. Crozy, 4 to 5 ft. | 2.75 | 25.00 |

PINK SHADES.

| | | |
|--------------------------|------|-------|
| L. Patry, 4½ ft. | 1.75 | 15.00 |
| Louise, 5 ft. | 2.00 | 17.50 |
| Mlle. Berat, 4½ ft. | 1.75 | 15.00 |
| Tennyson, 5½ ft. | 2.75 | 25.00 |

YELLOW SHADES.

| | 100 | 1000 |
|------------------------------|--------|---------|
| Buttercup, 3½ ft. | \$1.75 | \$15.00 |
| C. de Bouchard, 4½ ft. | 2.00 | 17.50 |
| Florence Vaughan, 5 ft. | 2.50 | 20.00 |
| L. E. Bailey, 4½ ft. | 2.75 | 25.00 |
| Richard Wallace, 4½ ft. | 2.75 | 25.00 |

WHITE AND CREAM SHADES.

| | | |
|---------------------|------|-------|
| Alsace, 3½ ft. | 1.75 | 15.00 |
|---------------------|------|-------|

BRONZE-LEAVED FLOWERING CANNAS.

| | | |
|------------------------------|------|-------|
| Brandywine, 4 to 5 ft. | 2.00 | 17.50 |
| Black Beauty, 5 ft. | 2.75 | 25.00 |
| David Harum, 3½ ft. | 2.75 | 25.00 |
| Egandale, 4 ft. | 1.50 | 14.00 |
| King Humbert, 4 ft. | 3.25 | 30.00 |
| Leonard Vaughan, 4½ ft. | 1.75 | 15.00 |
| Musafolia, 5 ft. | 2.75 | 25.00 |
| Pillar of Fire, 6-7 ft. | 2.25 | 20.00 |
| Robusta, 6-8 ft. | 1.75 | 17.50 |
| Shenandoah, 6 ft. | 1.75 | 15.00 |

ORCHID-FLOWERING CANNAS.

| | | |
|-----------------------------|------|-------|
| Allemannea, 4 to 5 ft. | 1.75 | 16.00 |
| Austria, 5 ft. | 1.25 | 12.00 |
| Italia, 4½ ft. | 1.75 | 15.00 |
| Kronus, 5 ft. | 1.75 | 15.00 |
| Mrs. Kate Gray, 6 ft. | 1.75 | 15.00 |
| Pennsylvania, 5 ft. | 1.75 | 15.00 |
| Wyoming, 7 ft. | 2.75 | 25.00 |

Our Cannas are packed 250 in a box; two can be "cleated" together and shipped as one. One box of 250 sold at thousand rate; it is cheaper for you to buy a box than 200 at 100 rate.

Chicago and Western
Agents For Our Cannas

WINTERSON'S SEED STORE,

45-47-49 Wabash Ave.,

Chicago, Ill.

Arthur T. Boddington,

SEEDSMAN,

342 West 14th Street.

NEW YORK.

Market Gardeners

Greenhouse Vegetable Growers and Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President;
Franklin DeKleine, Grand Rapids, Mich.,
Vice-President; S. W. Severance, 508 Illi-
nois Life Building, Louisville, Ky., Secre-
tary; M. L. Ruetenik, Cleveland, O., Treas.

THE estimated annual output of fresh mushrooms through the Central Market of Paris is 15,000,000 pounds.

At the annual meeting of the Massachusetts Asparagus Growers' Association, held at Concord, January 28, the old officers were re-elected as follows: Chas. W. Prescott, Concord, president; T. Hollis, secretary-treasurer. It was an enjoyable meeting full of good feeling and intelligent discussion. It was voted to hold another field day in September and there is a universal feeling of satisfaction at the progress made.

Lettuce Temperatures.

I noted "Marketman's" reply to my experience in lettuce temperatures, but when I spoke of raising five to six crops in one season, I did not mention my methods of doing it. I raise my plants in shallow boxes, and when the plants show the fourth leaf transplant in the bed four inches each way. We renew the soil in the greenhouse every other year and prepare the soil as follows: In the spring we gather sod from the road, haul to manure yard and pile one load of sod to one-half a load of rotted cow manure, making the pile about three feet high; then we soak it with liquid cow manure, fork the pile over three or four times during summer, and in September, bring it into the greenhouse and spread it four inches thick. In this soil we raise two crops, for the following crops, applying a top dressing of liquid cow manure with nitrate of soda dissolved, eight pounds to the barrel of the liquid.

The next year we apply a good coat of cow manure, spade it deeply under, raise one crop, then stir the soil lightly, not touching the manure below; give top dressing as before mentioned to the following crops. After many years' experience we find this the best treatment for lettuce, and, with some sunshine, we always force a crop in 30 to 35 days. This means leaf lettuce, for which I prefer Grand Rapids, as it stands more heat than any other. We do not allow a stalk of lettuce to grow heavier than three ounces, as our customers prefer the smaller size, because of too much waste in the big stems. I am not as good in handling a pen as a hoe or fork, but I hope this will convince "Marketman" of the possibility of raising five or six crops a season.

DAVID WOLF.

Manure for Crops Under Glass.

The use of stable manure as a source of greenhouse plant food has been the custom for so many years, that more effective forms make headway slowly; yet the stable manure has many disadvantages. It always contains more or less weed seed as well as disease germs, and it supplies its plant

SEEDS FOR THE MARKET GARDENER

are our specialty. Quality, our first consideration. We have a very large and complete stock of all kinds of seeds and everything in the line of fruit trees, berry bushes, etc.

Our new 112 page catalogue contains true description and no overdrawn illustrations. Our prices are right, quality considered. Market Gardeners are requested to write for our Market Garden Wholesale Catalogue, sent free on request.

GERMAN NURSERIES & SEED HOUSE BOX 245
Established 1886 **BEATRICE, NEB.**

food in available form very irregularly. Also, by fermentation, it materially influences the temperature of the seed bed, a temperature we have no means of regulating. In the next place, the plant foods are sometimes non-available, hence for forcing it cannot be safely relied upon.

For greenhouse work the Evergreen brand fertilizer has been used extensively, where the highest marketable quality, rapidity of growth and early maturity are to be attained. All crops that are wanted early, with rapid and luscious growth, get the proper nourishment from such manures which are perfect plant foods, ready on the instant.

This fertilizer is peculiarly adapted for broadcasting over the plants, after they have made a partial growth, since it is so completely soluble that but a slight amount of moisture is necessary in order to distribute it throughout the soil, and, because of its ready availability, it is used by the plant as soon as it comes in contact with its roots. It possesses both these characteristics, and is therefore to be particularly recommended for those crops which need an early and abundant supply of food.

Prices of Indoor Fruits and Vegetables.

Chicago, February 2.—Mushrooms, 25 cents to 75 cents per pound; cucumbers, \$1.00 to \$1.25 per dozen; lettuce, 40 cents per box; tomatoes, 20 cents per pound; radishes, 50 cents per dozen; asparagus, 25 cents to 40 cents per bunch; grapes, Gros Colman, 75 cents per pound.

New York, January 29.—Mushrooms, 40 cents per pound; cucumbers, 75 cents to \$1 per dozen; tomatoes, 20 cents per pound; radishes, 3 cents per bunch; asparagus, \$6 per dozen bunches; rhubarb, 75 cents per dozen bunches; grapes, Gros Colman, 65 cents per pound; peaches, \$3.50 per dozen.

European Horticulture.

FROM THE BRITISH TRADE PAPERS.

Aphelandra Tetragona.—A bold and effective shrub from South America. It was originally called *Justicia tetragona*, and then *Justicia cristata*, but is now referred to *aphelandra*. A two-year-old plant that flowered at Kew in May, 1908, bore, on one growth nearly four feet high, 13 spikes of brilliant red-pink flowers. These spikes varied from four to seven inches in length. The flowers are tubular, and double-lipped, the lower lip being recurved and almost an inch long. A showy stove plant, with large ovate lanceolate leaves.

Veronicas at Kew.—Within the last few years the merits of the garden varieties of veronica as flowering plants for the greenhouse at this season have been made more prominent, and a representative collection makes a good show at Kew. Noteworthy among those now in flower are: *Admiration*, purple, shaded violet; *Attraction*, deep violet; *Diamant*, bright crimson; *Eveline*, salmon-pink; *Gabrielle*, rose-pink; *La Seduisante*, violet-purple, bronzy foliage; *Reine des Blanches*, white; and *Valerie*, blue.

MUSHROOMS

HOW TO GROW THEM

BY WM. FALCONER.

The Best American Book on the Subject.

170 Pages. 29 Illustrations.

—Price \$1.00.—

AMERICAN FLORIST CO.
324 Dearborn St., CHICAGO.

VEGETABLE PLANTS.

Cabbage, Wakefield and Succession, \$1.00 per 1000. \$8.50 per 10,000.

Parsley, 25c per 100: \$1.25 per 1000.

Lettuce, Big Boston, Boston Market, Grand Rapids, \$1.00 per 1000.

—Cash with order.—

R. VINCENT, Jr. & SONS CO., White Marsh Md.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

Wanted

Contracts to grow all kinds of Vegetable Plants, transplanted or not. Also Geraniums, Coleus, Cannas, Salvias, Verbenas, Pansies, etc., for spring delivery. All stock only. Correspondence solicited.

Wholesale Florist,
Alonzo J. Bryan, Washington, New Jersey.

Abutilons at Kew.—There is a quite extensive group of abutilons, all comparatively small plants, with single, upright stems, grown in 5-inch pots. They are flowering freely, and are certainly very pretty. The best scarlet appears to be *Red Gauntlet*, the best white *Boule de Neige*, and the best pink *Roseflorum*. I did not note any yellows, the best of which, as far as my experience goes, is *Golden Fleece*.

Peliosanthus Violacea Clarkei.—A graceful orchid-like plant from southeastern Asia. The plant has a short root-stock, from which the foot-long leaves rise singly. The spikes of semi-pendulous purple flowers also rise independently from the underground leaf stalk.

Who Said Dock?

ED. AMERICAN FLORIST:—

It is probable that some of your readers may be interested in *Rumex optusifolius*. The enclosed clipping is from the Nashville Banner, being a special from Paris, France.

JAMES MORTON.

"Paris, January 22.—The investigation of chemists show that a certain plant growing all over the known parts of the earth, namely, *Rumex optusifolius*, contains an unusual amount of iron. More than one-half per cent of iron can be extracted from the dry roots of the plant, a greater amount than has been found in any other plant.

Vaughan's New Crop Flower Seeds For Present Sowing

10 per cent Special CASH DISCOUNT. On orders over \$2.00 for Flower Seeds if the cash is enclosed, 10 per cent. This discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent.



| | Trade pkt. | oz. |
|--|----------------------------------|--------|
| Ageratum , Imperial dwarf blue..... | \$0.10 | \$0.25 |
| Imperial dwarf white..... | .10 | .25 |
| Blue Perfection, dwarf new..... | .10 | .40 |
| Princess Victoria Louise, beautiful blue and white flowers, plants compact and free blooming..... | .10 | .40 |
| Little Blue star, new, best dwarf..... | .25 | |
| Alyssum , Sweet.....lb., \$1.25 | .05 | .15 |
| Little Gem, extra fine strain..... | .10 | .30 |
| Balsam , Alba Perfecta. Largest and best double white..... | .20 | 1.00 |
| Begonia , Single Tuberous-rooted giant mixed..... | .50 | |
| Double tuberous-rooted, giant flowered, mixed..... | .50 | |
| Vernon..... | 1/2-oz., 30c | 2.00 |
| Luminosa Gracilis, new, better than Vernon..... | .25 | |
| Berna. The foliage of this fine bedding Begonia is very dark, flowers are rather large, bright, carmine red..... | .25 | |
| Erford. A splendid bedder. Blooms all summer..... | .25 | |
| Bellis or Double Daisy , Vaughan's mammoth mixture..... | 1-16 oz., 35c | |
| Vaughan's Mammoth White..... | 1-16 oz., 35c | |
| Longfellow dark pink..... | 1/2 oz., 30c | 2.50 |
| Monstrosa, double white, double pink, new..... | each 25c | |
| Browallia , Speciosa Major..... | .25 | |
| Candytuft, Giant Hyacinth flowered white..... | 1/2 oz., 15c | .20 |
| Canna , Vaughan's Special Mixture..... | lb., \$2.00 | .20 |
| Celosia , Coxcomb, President Thiers..... | .15 | 1.00 |
| Centaurea , Candidissima (Dusty Miller)..... | .25 | .75 |
| Gymnocarpa..... | lb., \$2.75 | .30 |
| Cobaea Scandens, blue..... | lb., \$3.50 | .30 |
| Clematis Paniculata, White, sweet scented..... | lb., \$5.00 | .50 |
| Coleus , Mammoth rainbow..... | .25 | |
| Large-leaved, mixed..... | .25 | |
| Cyperus Alternifolius, Umbrella plant..... | .15 | 1.00 |
| Dracaena Indivisa..... | .10 | .30 |
| Indivisa Lineata..... | .10 | .40 |
| Indivisa Latifolia..... | .10 | .40 |
| Australis..... | .10 | .60 |
| Daisy , Burbank's Shasta, new Double Fringed..... | .50 | |
| Echeveria (Hen and chicken), mixed, 100 seeds, 20c; 1000 seeds, \$1.00 | | |
| Metallica..... | 100 seeds 35c; 1000 seeds \$3.50 | |
| Secunda glauca..... | 100 seeds 15c; 1000 seeds \$1.00 | |
| Pyrethrum aureum , Golden Feather..... | .10 | .25 |
| Salvia Splendens, Clara Bedman (Bonfire)..... | .25 | 2.50 |
| "Drooping Spikes"..... | 1/2 oz., \$1.00 | |
| Zurich, new, very dwarf and early..... | .25 | |
| Stocks, large flowering, extra choice, mixed..... | .25 | 1.60 |
| Pure White, Brilliant Rose, Bright Crimson, Blood-Red, Light Blue, Canary Yellow, Dark Blue, Each..... | 1/2 oz., 35c | 2.00 |
| White Perfection or Princess Alice, Blood-Red, Brilliant Lilac, Pink. Each..... | 1/2 oz., 40c | 2.50 |
| Mixed, the above colors and others..... | 1/2 oz., 35c | 2.00 |
| Stock , Prince Bismarck White. A new stock of robust pyramidal growth..... | 1/2 oz., 75c | .25 |
| Prince Bismarck Goldball, canary yellow..... | .25 | |
| Lavender..... | .25 | |
| Beauty of Nice , flesh pink..... | 1/2 oz., 50c | 2.00 |
| " " White..... | 1/2 oz., 35c | 1.20 |
| " " Crimson..... | 1/2 oz., 50c | .25 |
| " " Almond-Flowered, new..... | 1/2 oz., 50c | .25 |
| " " Queen Alexander, rosy..... | 1/2 oz., 40c | 1.50 |
| " " Ilac, fine color..... | 1/2 oz., 40c | .25 |
| " " Giant Abundance, a beautiful carmine rose..... | .25 | |
| Smilax , new crop..... | lb., \$3.50 | .25 |
| Thunbergia , mixed..... | .10 | .40 |
| Torenia , Fournieri Grandiflora..... | 1/2 oz., 30c | .10 |
| White Wings, white..... | 1/2 oz., 30c | .10 |
| Ballonl..... | 1-16 oz., 50c | .25 |
| Verbena , Vaughan's Best Mixture..... | \$0.25 | \$0.50 |
| Mammoth, mixed..... | .10 | .80 |
| " " White..... | .15 | 1.00 |
| " " Purple..... | .25 | 2.00 |
| Firefly, scarlet, white eye..... | .15 | 4.20 |
| Defiance, brightest scarlet..... | .10 | .60 |
| Dark blue with a white eye..... | .10 | .70 |
| Vinca Rosea, Rosea fl. albo and pure white, each..... | .10 | .60 |
| Mignonette , True Machet..... | 1/2 oz., 25c; 2 ozs., 75c | .10 |
| New York Market. Packet about 1000 seeds, 50c | | |
| 1/2 oz., \$1.00; oz., \$7.00. | | |

New preliminary flower seed list ready. Please write for same if you have not received one.

VAUGHAN'S SEED STORE,

25 Barclay St., NEW YORK. 84 and 86 Randolph St. CHICAGO.
803 W. Randolph St.

"It is intended to use this iron as medicine, especially as medicine for the green sickness so called. At the same time it is asserted that this plant, largely cultivated, might furnish iron, if at any time the iron mines give out, which they won't for the next million of years."

CLINTON, IND.—C. L. Ricketts, and not his brother J. H. Ricketts, as reported, was the purchaser of the Sunnyside Floral Co.'s place.

A Border of White Flowers.

A correspondent of the Garden publishes the following list:—Olearia Haasti, Weigela candida, lupin, Eremurus Himalaicus, a plant of great beauty which grows in the same soil that suits Lilium auratum; cerastium, Japanese anemone, Robinia semperflorens, a charming plant for lawn and shrubbery, flowering all the summer; funkia, lilac, broom, poppies, gypsophila, violas, pinks, carnations, yucca, dahlias, stocks, snapdragons, phlox,

sweet william, everlasting pea, sweet pea, corncockle, Mexican orange flower, myrtle, syringa, spiraea, nicotiana, Hydrangea paniculata, lilies of many kinds, Crambe cordifolia, white rhododendrons, peonies, iris, candytuft, moss roses, white bleeding hearts, sweet woodruff, vinca, Arenaria Balearica and other white rock plants, magnolias, double white rockets, Dictamnus Fraxinella alba, and many white-leaved grasses. This list is by no means exhaustive, but gives some idea.

The Nursery Trade

American Association of Nurserymen.

F. H. Stannard, Ottawa, Kans., President;
W. P. Stark, Louisiana, Mo., Vice-President;
John Hall, Rochester, N. Y., Sec'y.
Thirty-fifth annual convention to be held
at Denver, Colo., June 8-10, 1910.

BALTIMORE, MD.—The Thos. J. Brandt Nursery Co. has been incorporated with capital stock \$5,000.

F. A. BOLLES, East Tenth street and Avenue L, Brooklyn, N. Y., has been on the sick list for two weeks.

CHAS. BLACK, of Hightstown, N. J., has been sick for quite a long time but puts up a good front and keeps the doctors at bay. "No physic for me" is his motto.

J. W. HOARD, manager of Chase Bros.' nurseries at Waco, Fla., has mysteriously disappeared according to a local paper, his absence having caused much worry to his friends and his firm.

CHICAGO—Andrew Schlevogt, landscape gardener for a Brooklyn, N. Y., real estate firm, has been in the city this week planning street planting at Ravenswood Manor and looking up stock locally for planting.

"THE LILAC" is the title of an interesting little booklet by Wm. C. Barry, of Ellwanger & Barry, Rochester, N. Y. Mr. Barry, after paying a tribute to this popular and beautiful shrub, goes on to describe the many new varieties that have been distributed during the last 15 years, especially those of Lemoine's raising. Quite a list of varieties is given and many of them are illustrated while cultural notes and suggestions for planting are pleasingly written up.

Shrubs for Ornamental Hedges.

Hedges of ornamental shrubs are becoming very popular, and really add greatly to the attractiveness of our homes. A number of shrubs are used for hedges on the home grounds. One of the most popular at present, especially along the Atlantic seaboard, is the California privet, a plant that succeeds admirably where the influence of the ocean affects the temperature. This privet, a native of California, is not as hardy in the middle west as is desirable. There is a hedge of this near here (Indiana) planted 10 years ago in a favorable situation that some might think reasonably satisfactorily, the upper portion being compact and green. The base, however, up to about two feet from the ground, shows nothing but naked stems. This can never be filled up with green, living branches, and this defect will become more apparent as the years go by.

The Amoor River privet, from Asia, resembles California privet very much and has never been known to be injured by our severest cold, even in the tips of the branches where the California was killed to the ground. The Amoor River is not quite so nearly evergreen as California, though it retains its foliage until midwinter. There is a southern form, grown and sold as Amoor River that, it is believed, does not possess the hardiness of plant

nor beauty of foliage that is characteristic of the genuine Amoor River.

Regelianum privet seems to possess the hardiness of the Amoor River, and, in habit of growth, arrangement of the branches, and peculiar shape and conformation of the foliage is one of the most striking of shrubs. The Japanese privet is a strong grower, with remarkably large, glossy foliage, that is more persistently evergreen than any other privet. We think this will become popular either as a hedge plant or for ornamental planting. The

remarks being closely followed by fruit growers and others present. The programme was a long one, but was carried out in its entirety.

Belgian Certificate Not Acceptable.

The following letter has been sent by S. A. Forbes, state entomologist for Illinois, nurserymen of the state: "Recent authoritative information with respect to nursery conditions in Belgium and in France makes it necessary for me to reconsider the conclusion previously stated with ref-



THE WHITE RAMBLER ROSE.

Growing at Rockefeller Park, Cleveland, O.

Japan berberis (B. Thunbergii) is justly very popular as an ornamental hedge plant. It is of rather slender, compact, bushy habit, with small, glossy, bright green leaves that attain a brilliant crimson color in autumn. The plant is loaded with berries that assume a bright red color when ripe and remain on the plant through the winter. We have never heard of this plant being injured by the cold anywhere. Last, but not least, for an ornamental hedge, we will name Spiræa Van Houttei, a plant of extraordinary hardiness, and beauty in habit of growth, as well as of special beauty when loaded with its wreaths of white flowers, as easily transplanted as a tomato, as hardy as an oak. We have hedges of it 20 years old, of perfect form, from the ground up which, when in bloom in June, are strikingly beautiful. By cutting back, just after the flowering season, the hedge may be kept at a height of two, three or four feet, as may be desired.

E. Y. TEAS.

Rochester, N. Y.

The fifty-fifth annual meeting of the Western New York Horticultural Society, held at Convention hall, January 26-27, was described as the biggest in the history of the society, the registration being 1,350. Great enthusiasm was shown and the papers read and other attractions were followed with great interest. Fred L. Lamson's illustrated talk on "Irrigation Experiments in a Wayne County Peach Orchard," was a great success and his views were elegant. The round table talks were also a most popular feature. Dr. L. H. Bailey, of Cornell, and Commissioner of Agriculture Pearson, of Albany, were present and spoke, their

reference to the Belgian inspection, and to reiterate what I have said with regard to the dangerous character of nursery stock from France. No inspection certificate of either of these countries can be considered as acceptable, and stock coming from either, whether certified or not, must be inspected in the hands of the consignee by us before it may be used. Special warning is called for with respect to French stock, which is again arriving in this country seriously infested by the brown-tail moth. This statement applies to greenhouse stock as well as to that grown in open fields."

For Immediate Delivery ROSES

Dormant, field grown, own roots
Sweetheart, Tausendschon, T. Blumschen, Barbier, 20c each.
La Fiamma, Trier, Dorothy Perkins, Lady Gay, Debutante, Hiawatha, 12c each.

Clematis Paniculata

Field Grown

1-year 6 cents. 2-year 10 cents

Dutch Hyacinths.

Named varieties, single and double, 45 kinds, First size bulbs, \$6.00 per 100; extra large exhibition size, \$10.00 per 100.

Chinese Sacred Lilies

\$3.00 per 100; \$25.00 per 1000.

Hydrangea Paniculata Grandiflora, 18 to 24 ins.....6c. 2 to 3 feet.....9c

Viburnum Plicatum.

2 to 3 feet.....12c. 3 to 3½ feet...15c

Write for our special prices on Hardy Shrubs.

THE DINGEE & CONARD CO.,
West Grove, Penna.

FOREST TREE Seedlings

We Have Millions of Seedlings

BLACK LOCUST, CATALPA SPECIOSA, Red Bud, Sweet Gum, Persimmon, Poplar, Ash, Elm and various other seedlings at very low prices.

A large stock of transplanted 2 to 6 ft. **Hamelis Virginiana; Caycanthus,** sweet shrub, 6-in. to 3 ft. **Spica Van Houttei,** 2 to 2 1/2 ft.

Fine Stock. Send for List.

FOREST NURSERY & SEED CO.
McMinnville, Tenn.

Jacs Smits, Ltd., NAARDEN, (Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Price List Free on Demand.

Phoenix Nursery Company

Nurserymen and Florists
BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for spring issued Feb. 1st

Fruit Culture in Pennsylvania.

OVERPLANTING NOT OVERPRODUCTION.

Owing to the public statement of Prof. H. A. Surface, that he feared an overplanting of fruit trees in Pennsylvania at the present time, some persons have construed his remark to mean that this would result in overproduction and profitless orcharding. The zoologist explains the difference by saying that while overplanting is easily possible, owing to the planting of many trees dominated by mercenary motives only, and which will surely be neglected, overproduction will not be possible for the reason that every tree that is of the right variety, and is given proper care, will produce fruit that can be marketed for a better price than ever before.

Modern facilities, in the form of refrigerator cars for transportation, and cold storage rooms for the storage of perishable fruit, make it possible for the orchardist to product fruit in great quantities and hold the same until the products can gradually reach the consumer. Under such circumstances the fruit can be sold for good prices and no one who will make a real study of orcharding, and produce first class fruit in abundance, need fear that he will have any difficulty to dispose of his crop.

The man who has more trees than he can give his attention to, or, in other words, who overplants, who will not study the subject of horticulture, and consequently does not become personally interested in it, is the one who will produce fruit of inferior quality, and consequently be unable to get rid of it promptly or at an advantageous price. Such a person will declare that he is suffering from overproduction, when, as a matter of fact, his real difficulties are overplanting and lack of care.

There has recently developed a common belief that it is possible for any one, especially a professional or a business man, to start an orchard, plant, spray his trees occasionally, and in the

BOBBINK & ATKINS

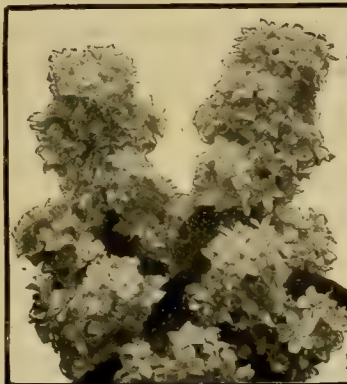
Nurserymen and Florists, RUTHERFORD, N. J.

Choice Evergreens and Conifers, Shade and Ornamental Trees, Herbaceous Plants.

Large collection of **DECORATIVE PLANTS**, such as

Palms, Ferns, Bay Trees, Etc.

ASK FOR WHOLESALE CATALOG



Beautiful! Novel! Valuable!

The Newest Lilacs

Double and Single
Extraordinary Offering

The improvement in the Lilac, especially in the double sorts, is marvelous, and all lovers of this flower will be delighted with these novelties. In size, form and color they far surpass the old favorites and we confidently recommend them to our patrons. Nothing that has been introduced recently is likely to prove so popular as the new Lilacs.

A beautiful illustrated booklet on Lilacs will be mailed on request, also our Illustrated General Catalogue, which contains accurate and trustworthy descriptions of the best

FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES and HARDY PLANTS

Ellwanger & Barry, Mount Hope Nurseries, Rochester, N.Y.

STOCK FOR FLORISTS

ROSES for Forcing—Hybrid Perpetuals and Ramblers, all the best ones; fine, strong stuff.
Clematis, Ampelops, Tree Hydrangeas and Lilacs, Shrubs, Vines and Perennials. Write for prices.

JACKSON & PERKINS CO., Newark (near Rochester), New York
Nurserymen and Florists. Wholesale only. Use printed stationery.

JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture.

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

course of time obtain good crops from them at highly profitable prices. This is a mistake. The only successful orchardists will be those who study their individual trees as the dairyman studies his individual cattle.

He will attempt to furnish each with the balanced ration of fertilizer, according to its own needs and possibilities, and will prune, spray and cultivate each according to the general needs of the orchard and the specific needs of that particular tree. Those who determine to raise first class fruits, and will study, master, and enjoy the subject, and live among the trees, rather than expect their employees only to do this, need not be discouraged with the outlook for the prospects of the new fruit culture in Pennsylvania.



Arbor Vitæ

(*Thuja Occidentalis*.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.

The Wm. H. Moon Co.,
MORRISVILLE, PA.

DAHLIAS

Jack Rose and other best Cut Flower varieties. Write for list and prices.

PEACOCK DAHLIA FARMS

Williamstown Junction, N. J.

New Berries

Send for our up-to-date tested
Berry Plant Catalogue.

Berrydale Experiment Gardens, Holland, Mich.

Eugene Pitou, Jr. **CIVIL ENGINEER and Landscape Architect.**

Phone Barclay 6084—229 Broadway, New York
Designs, Estimates, Construction of Grounds.

For Reliable Stock

From Reliable Dealers

Keep Tab on Advs. in THE FLORIST.

CARNATION BAY STATE

~~~~~\$3.00 Per Hundred.~~~~~

**H**AVING bought a large stock of this new Variegated Carnation last year, we can offer first-class rooted cuttings of this variety at \$3.00 per 100. Also rooted cuttings of **Beacon, Enchantress, Rose Pink Enchantress, Victory, White Enchantress, White Perfection, Winona, Winsor**, at \$3.00 per 100. Unrooted cuttings, \$2.00 per 100. Reduced prices made on large orders. Send orders as early as possible.

**FRESH CUT FLOWERS** shipped to all parts of New England and Canada. **High Grade Carnation Blooms** our specialty; shipped direct from the grower to the retailer at wholesale price.

**SHEPARD'S GARDEN CARNATION CO., 292 Fairmont Street, LOWELL, MASS.**

—HEADQUARTERS OF—

## Azalea Indica for Easter

All well budded and as round as an apple.

In **Easter Varieties** we have the following in large sizes, well budded: Bernard Andreas Alba, white; Niobe, double white; Helena Thielman, rose; Empress of India Apollo, red; De Schryveriana, double variegated; Dr. Moore, pink; Mme Van der Cruyssen, pink; Louis Van Houtte large double red; Simon Mardner, Veraneana and Deutsche Perle, white. Price, \$1.25, \$1.50, \$2.00 to \$2.50.

In smaller sizes we have Mme. Van der Cruyssen, Simon Mardner, Apollo, Niobe Empress of India, Deutsche Perle, De Schryveriana Veraneana, etc. Price 50c, 75c \$1.00 \$1.25.

**Azaleas** in bloom, in the following varieties: Mme. Petrick pink; Simon Mardner, pink; Deutsche Perle, white; Apollo, red; and Veraneana 75c, \$1.00 \$1.25 to \$1.50.

**Cinerarias**, Aschmann's well known strain, in bud or without 6-in. pots 25c to 35c.

**Kentia Forsteriana**, 30-35 40-50 in. high, \$1.50 \$2.00, \$2.50 to \$3.00 each; 4-in., 20c, **Kentia Belmoreana**, 4-in., 25c; 3-in., 10c.

**Cocos Weddelliana**, 3-in. .... 15c

**Latanis Borbonica**, 4 in. .... 20c

**Areca Lutescens**, 5-in. pots, made up ..... 35c

**Begonia Flambeus**, 4 in. .... 15c.

**Ferns**, **Neph. Todeaoides**, 5½-6-7 in., 35c.

40c 50c 75c to \$1.00.

**Asparagus Plumosus**, 2½-in., 3c; 3-in. (large), 6c; 4-in., 10c. **Sprengeri**, 3-in., 5c; 4 in., 10c.

**Pteris Victoria** (silver-leaved fern), in 6 in. pans, 3 plants in a pan, very attractive, 30c per pan

Cash with order, please.

Please state if in or out of pots.

All plants must travel at purchaser's risk only

**GODFREY ASCHMANN,**

Importer and Wholesale Grower of Pot Plants,

1012 West Ontario St., PHILADELPHIA, PA.

Southampton, N. Y.

The Horticultural Society is in a flourishing condition. Established in December, 1906, at a little meeting of nine gardeners, we have continued for three years, improving in all ways, attaining to a membership January 1 of 140, 20 of whom are life, the balance active members. We have held three exhibitions, one each season, and a committee is at work preparing for one for 1910, which we hope will exceed in interest and display those of the past. While expenses have been heavy, all bills have been immediately paid when due, and our treasurer reported a balance on hand January 20 of \$688.18.

Great interest has been taken by the cottage colony of this well-known seaside resort, in our annual exhibition, which has already become one of the leading social features. We aim for greater results, yet we are well satisfied with the steady, substantial and permanent growth of our society. Harmony exists among the gardening element, which is the brains and motive power of action, hence the great secret of our growth and success.

## Carnations

**ROOTED CUTTINGS**

|                                                                                           | Per 100 | Per 1000 |
|-------------------------------------------------------------------------------------------|---------|----------|
| Mrs. C. W. Ward                                                                           | \$12 00 | \$100 00 |
| Alma Ward                                                                                 | 15 00   | 125 00   |
| Mrs. J. C. Vaughan, Bay State, Georgia and O. P. Bassett                                  | 6 00    | 50 00    |
| White Enchantress, Beacon, Robert Craig, Afterglow, Rose Pink Enchantress and Harlowarden | 3 50    | 30 00    |

**New Crop Early Flowering Single Chrysanthemum Seed and Gold Medal Pentstemons**

at 25c and \$1.00 per package.

**CHARLES H. TOTTY, Madison, N. J.**

## FERNS

**Elegantissima**

Good strong plants.

|                   | Per 100 | Per 1000 |
|-------------------|---------|----------|
| 3-inch pots.....  | \$9.00  | \$85.00  |
| 2¾-inch pots..... | 7.00    | 65.00    |

**G. YOUNG & SONS CO.**

1406 Olive St., ST. LOUIS, MO.

Mention the American Florist when writing

## ROBERT CRAIG CO.

**HIGH CLASS PALMS**

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

At our annual meeting held January 6, the following officers were elected: Wm. F. Halsey, president; N. G. Agar, vice-president; Benj. C. Palmer, secretary; Julius W. King, treasurer; Frank H. Smith, financial secretary; Henry F. Herrick, Chas. E. Frankenhach, Walter L. Jagger, Martin McLaughlin, executive committee. W. G. Gomersall, of Nyack, a well-known and thoroughly practical gardener, was present and made an impromptu address on popular topics, which was most attentively listened to, after which the members present were ushered into an oyster supper prepared by the committee, where the good things were furnished in abundance.

B. C. P.

## Verbenas for Everybody....



Of the finest varieties that ever grew, 70c per 100; \$6.00 per 1000.

**Mums**, the good kind, \$1.25 per 100; \$10.00 per 1000. **Daisies**, white and yellow, \$1.00 per 100; \$8.00 per 1000. Our big double **Giant Alyssum**, 80c per 100; \$7.00 per 1000. **Feverfew**, \$1.25 per 100; \$10.00 per 1000. We prepay express charges on all rooted cuttings and guarantee satisfaction.

**C. HUMFELD, The Rooted Cutting Specialist, CLAY CENTER, KANS.**

Mention the American Florist when writing

## Well Rooted Carnation Cuttings

|                          | Per 100 | Per 1000 |
|--------------------------|---------|----------|
| Enchantress              | \$2 00  | \$18 00  |
| Sarah Hill, white        | 4 00    | 35 00    |
| Lawson Enchantress, pink | 2 50    | 20 00    |
| Lawson, pink             | 2 00    | 15 00    |
| W. H. Tait, red          | 4 50    | 40 00    |
| Beacon, red              | 2 00    | 25 00    |
| Victory, red             | 2 50    | 20 00    |
| Lawson, variegated       | 2 50    | 20 00    |

Cash with order or C. O. D.

**SCHIEDEN & SCHOOS, Evanston, Ill.**  
517 Asbury Ave.,  
Mention the American Florist when writing

**HODSON, MASS.**—The Middlesex Cooperative Garden Co. has incorporated. The capital stock is \$25,000.

**BRANDON, MAN.**—The annual meeting of the shareholders of the Spring Park Nursery Co. was held in the company's office January 20. The attendance was about equally divided between local and distant shareholders. The report submitted showed a satisfactory year's business and was adopted after a brief discussion. The retiring board of directors was re-elected without any change.



# WINNERS

— READ THEIR RECORD —

## Pittsburg, January 26, 1910

S. A. F. Silver Medal for best vase of 50 not yet disseminated—**Mrs. C. W. Ward.**

S. A. F. Bronze Medal for second best vase of 50 not yet disseminated—**Alma Ward.**

Best 100 light pink—**Mrs. C. W. Ward.**

Best 100 white—**Alma Ward.**

Special Sweepstake Prize for best vase of any color—**Alma Ward.**

### FORMER AWARDS

#### Mrs. C. W. Ward

American Florists' Society Silver Medal,.....Boston, 1906  
The Craig Cup for Best Seedling.....Philadelphia, 1906  
The Lawson Bronze Medal.....Washington, 1908  
The Horticultural Society of New York, Silver Medal,  
Sweepstake Prize for best 100 blooms, New York, 1909  
The Horticultural Society of New York, Diploma for  
Best New Variety .....New York, 1909

#### Alma Ward

The Lawson Silver Medal,.....Toronto, 1907  
(No Gold Medal having been awarded.)  
The Lawson Gold Medal,.....Washington, 1908  
The American Florists' Society, Silver Medal,  
Washington, 1908

#### Mrs. C. W. Ward

MRS. C. W. WARD is a perfectly formed flower with full center; color deep pink, several shades lighter than Lawson, deeper than Winsor; having strong, erect stems, 24 to 36 inches in length. A vigorous, healthy grower, and has never shown disease of any kind.

A very early and free bloomer, producing fine flowers as early as September 1, which bring from twenty-five to fifty per cent. more than any other variety on the market,

Rooted Cuttings, \$2.00 per 12, \$12.00 per 100,  
\$100.00 per 1000,

25 at the 100 rate. 250 at the 1000 rate.

**Delivery Feb. 20.**

#### INVITATION

We extend a cordial invitation to all those interested to visit our establishment, where they will have an opportunity to see these varieties growing and to compare their good points with other standard varieties grown under the same conditions.

#### Alma Ward

This beautiful Carnation is pure white, except during dark weather, when it shows delicate splashings of pink similar to the Cattleya, increasing its popularity.

ALMA WARD is the largest, most fragrant Carnation ever grown, producing perfect flowers 3½ to 4½ inches in diameter, on strong, erect stems, 36 to 42 inches in length.

Rooted Cuttings, \$3.00 per 12, \$5.00 per 25, \$9.00  
per 50, \$15.00 per 100, \$35.00 per 250,  
\$65.00 per 500, \$120.00 per 1000.

**Delivery March 1.**

**COTTAGE GARDENS CO., Inc.,**  
**QUEENS, LONG ISLAND, N. Y.**



**DBLE. PETUNIA**

2-in. \$2.00 per 100  
 Smilax, 2-in., \$1.25 per 100. Abutilons, 3 kinds.  
 2-inch, 2½-c. Cuphea, 2-in., 1½-c. Poinsettias, stock  
 plants, 5c. Geraniums, Double Grant, Castel-  
 laine, Nutt. Buchner, Gen Grant 2-in., 2c. Coleus  
 10 kinds, Ageratum, 3 kinds, \$1.50 per 100.

**PRIMULA**

Primula Obconica, 2-in., 2c; 4-in., in bud and  
 bloom, 8c.

Rooted Cuttings, prepaid per 100. Heliotrope,  
 \$1.00; Fuchsia, 8 kinds, \$1.00; Paris Daisy, yellow,  
 white, \$1.00; Cuphea, 75c. Vinca Variegata, 90c;  
 Coleus, 10 kinds 60c; Alternanthera, 3 kinds, 50c;  
 Ageratum, 3 kinds 60c; Swainsona alba, \$1.00;  
 Dbl. Petunias, 10 kinds, \$1.00. Flowering Bego-  
 nias, 8 kinds, \$1.25.

Cash with order.

BYER BROS., Chambersburg, Pa.

**Orchids..**

We have changed our domicile from Secau-  
 cus, N. J., to Mamaroneck, N. Y. We are  
 largest collectors and importers of Orchids  
 and are now booking orders for all the com-  
 mercial Cattleyas for delivery next spring

CARRILLO & BALDWIN, Mamaroneck, N. Y.

**BAY TREES.**

Standards, Pyramids and Columns.

**ORCHIDS**

DIRECT FROM THE WOODS Cattleya Trianae,  
 C. Gigas and other commercial varieties.

JULIUS ROEHRS CO., Rutherford, N. J.

**Orchids**

Arrived in fine condition: Cattleya War-  
 nerii, C. Harrisoniae, C. Gaskelliana and C.  
 Gigas (Hardyana type); also Dendrobium  
 Phalaenopsis Schroederianum and Odonto-  
 glossum luteo-purpureum.

Lager & Hurrell, Summit, N. J.

**Cincinnati.****GOOD CALL ON MCKINLEY DAY.**

A few days of sunshine have done  
 much to improve the quality of stock  
 but not much toward increasing the  
 quantity. There are liberal supplies  
 of carnations and it is possible to fill  
 all orders unless received so late in  
 the day that the grade or color want-  
 ed has been sold. The demand for red  
 carnations for McKinley day was  
 about 50 per cent better than last  
 year. This no doubt may be attrib-  
 uted to the fact that the Business Men's  
 club of this city seems to have taken  
 the matter in hand to advocate the  
 wearing of carnations on this day and  
 distributed several thousand blooms  
 which was instrumental in increasing  
 the demand. Roses are showing the  
 effects of the dark weather we experi-  
 enced the past month and a continua-  
 tion of the same would see us wholly  
 without any stock as receipts are  
 steadily on the down grade. There  
 are liberal receipts of double violets  
 which have been selling fairly well the  
 past two weeks, but there are not  
 enough of the singles to fill orders.  
 Paper White narcissus and Roman  
 hyacinths were none too plentiful,  
 while Easter lilies and callas are  
 scarce. Lily of the valley is in good  
 supply with a ready sale. A scarcity  
 of daffodils and tulips exists and the  
 receipts of Asparagus plumosus and  
 A. Sprengeri are rather light and all  
 received is cleaned up on sight.

**NOTES.**

Wm. Sunderbruch began clearing  
 up the Partridge greenhouses at  
 Lockland the past week. He reports  
 the woodwork in excellent condition  
 and, as soon as the glass is replaced  
 that was broken by the hail last sum-

**VAUGHAN'S LIST OF  
Dormant Stock**

| Crimson Ramblers.                                       |  | Per doz. | Per 100 |
|---------------------------------------------------------|--|----------|---------|
| 2 years old, 2 to 3 feet, well branched, own roots..... |  | \$2.00   | \$15.00 |
| 2 years old, 2 to 3 feet, well branched, budded.....    |  | 2.00     | 15.00   |
| 3 years old, 3 to 5 feet, well branched, budded.....    |  | 3.00     | 18.00   |
| 4-inch pots.....                                        |  |          | 10.00   |

| Tausendschon.                      | Per doz. | Per 100 |
|------------------------------------|----------|---------|
| 2-yr. old, dormant, grafted plants | \$3.50   | \$25.00 |

**Lady Gay.**

|                               |        |         |
|-------------------------------|--------|---------|
| 2-yr. old, dormant stock..... | \$3.00 | \$20.00 |
|-------------------------------|--------|---------|

**White Baby Rambler.**

|             |        |                |
|-------------|--------|----------------|
| 3-inch..... | \$ .15 |                |
| 4-inch..... | .25    | \$2.50 \$20.00 |

**Azalea Mollis**

|                    | Each   | Doz.    | 100     |
|--------------------|--------|---------|---------|
| 15 to 20 buds..... | \$0.50 | \$ 5.00 | \$40.00 |
| 40 to 50 buds..... | 1.00   | 10.00   |         |

**Baby Rambler.**

Dormant, field-grown.

|                                  | Per doz. | 100     | 1000     |
|----------------------------------|----------|---------|----------|
| 1st size, selected, budded.....  |          |         |          |
| 3 years.....                     | \$2.50   | \$16.00 | \$150.00 |
| 2nd size, selected, grafted..... |          |         |          |
| 2 years.....                     | 2.00     | 12.00   | 100.00   |
| Pot-grown.....                   |          |         |          |
| 2½-inch.....                     | .75      | 5.00    |          |
| 3-inch.....                      | 1.25     | 8.00    |          |
| 4-inch.....                      | 2.00     | 12.00   |          |

**Deutzia**

|                   | Each | Doz. | 100   |
|-------------------|------|------|-------|
| Lemoinei, 7-in. " | 25   | 2.50 | 20.00 |

Magnolia Soulangiana, 3 to 4-ft., \$1.50 each; \$14.00 doz.

All Plants F. O. B.  
 Western Springs, Ill.

**Vaughan's Seed Store,**

84-86 Randolph St., CHICAGO. 25 Barclay St., NEW YORK,  
 Greenhouses and Nurseries: Western Springs, Ill.

**White Killarney, My Maryland, Pink Killarney**

Rooted cuttings and 2½-in. plants. Booking orders now for future deliveries.

The Right Place—The Right Goods—The Right Prices—Come and See Them Grow.

|                     | R. C.  | 1000    | 2½-inch | 1000     |                     | R. C.  | 1000    | 2½-inch | 1000    |
|---------------------|--------|---------|---------|----------|---------------------|--------|---------|---------|---------|
| White Killarney ..  | \$6.50 | \$60.00 | \$ 8.50 | \$ 75.00 | Richmond.....       | \$3.50 | \$30.00 | \$ 5.50 | \$50.00 |
| Grafted.....        |        |         | 14.00   | 125.00   | Maids.....          | 3.00   | 25.00   | 5.00    | 45.00   |
| Pink Killarney..... | 4.00   | 35.00   | 6.00    | 55.00    | Brides.....         | 3.00   | 25.00   | 5.00    | 45.00   |
| Grafted.....        |        |         | 12.00   | 120.00   | Cardinal.....       | 3.50   | 30.00   | 5.50    | 50.00   |
| My Maryland.....    | 4.00   | 35.00   | 6.00    | 55.00    | American Beauties.. | 4.00   | 35.00   | 7.00    | 65.00   |
| Grafted.....        |        |         | 12.00   | 110.00   |                     |        |         |         |         |

3½-in. sizes will be offered, when ready, at 40% increase over 2½-in.  
 You cannot afford to buy poor stock at 50% less.

**POEHLMANN BROS. CO., Morton Grove, Ill.****Orchids**

Write for 1910  
 Catalogue \* \* \*

Commercial varieties in any quantity. Guaranteed direct from  
 collector. Advance orders insure good plants and prompt delivery.

G. L. FREEMAN, 388 Appleton St., Holyoke, Mass.

mer, this will be the finest range of  
 greenhouses around the city, as every-  
 thing on the place is in an excellent  
 state of preservation.

We understand our friend James B.  
 Allan of George & Allan is a candidate  
 for the position of superintendent of  
 the city nurseries and his many  
 friends are pushing his candidacy and  
 hope Jimmie lands the plum as he is  
 the right man for it.

Those of the craft who were for-  
 tunate enough to attend the meeting  
 of the American Carnation Society  
 at Pittsburg the past week have re-  
 turned and speak very highly of the  
 quality of stock on exhibition.

J. W. Rodgers left January 31 for  
 Los Angeles, Calif., to assume his new  
 duties as forester for the Southern  
 Pacific railroad.

The bowling club got together again  
 last Monday night at Wiebert's alleys  
 and had another good time. S.

OSHKOSH, WIS.—The Oshkosh Flor-  
 al Co. will open a retail store at 116  
 Main street around February 15. E.  
 P. Barnett, late of Chicago, is man-  
 ager of the company. The cut flowers  
 will be shipped from Chicago.

**ORCHIDS...**

Largest Importers, Exporters, Growers,  
 and Hybridists in the World.

SANDER, St. Albans, Eng.

NEW YORK OFFICE: T. MELLSTROM,  
 Room 1, 235 Broadway. Agent.

**Geraniums**

mixed, \$2.00 per 100. \$5.00 per 300. \$16.50  
 per 1000.

Cinerarias, Primula Obconica, Asparagus  
 Sprengeri, Ivy Geraniums, Double Petunias  
 (Dreer's), \$2.00 per 100; \$5.00 per 300.

J. C. SCHMIDT, Bristol, Pa.

**Geraniums**

All sold for February, orders booked for  
 March 7th and later delivery. Nutt at \$10.00  
 Poitevine and Ricard at \$12.50 per 1000.

PLUMOSUS, \$25.00 per 1000 } Ready Now.  
 SPRENGERI 15.00 per 1000 }

ALBERT M. HERR, Lancaster, Pa.



## Carnations Late Delivery Prices.

Ready to Ship About March 15.

White Perfection, Rose Pink, Afterglow, Enchantress and Victory at \$15.00 per 1000.

White Enchantress at \$17.50 per 1000.

Lawson Enchantress, Winona and Beacon at \$20.00 per 1000.

O. P. Bassett and Alvina at \$35.00 per 1000.

Lawson, Winsor and Harry Fenn at \$10.00 per 1000.

Hundreds supplied at thousand rates.

**Albert M. Herr, Lancaster, Pa.**

### Rooted Carnation Cuttings

For Immediate Delivery.

**ENCHANTRESS, PERFECTION, BEACON**, \$3.00 per 100; \$25.00 per 1000.

**ROSE PINK and WHITE ENCHANTRESS, WINSOR**, \$2.50 per 100; \$20.00 per 1000.

We can fill orders from 1000 to 100,000 and guarantee the stock.

**Thompson Carnation Co., JOLIET, ILL.**

## FUCHSIAS

There are none better than **Little Beauty**, **Lord Byron**, **Renan** and **White Beauty**. Strong 2½ inch plants ready \$4.00 per 100 New Heliotrope. Miss Bernice a sport of Mme. Bruant and a great improvement on the latter 2½-inch \$8.00 per 100.



Katalog for the Asking,  
**SKIDELSKY & IRWIN CO.,**  
1215 Betz Bldg.,  
**PHILADELPHIA, PA.**

## A Chance to Buy Right.

**BOSTON FERNS**, In order to make room I offer an extra fine lot of 4 and 5-inch plants at \$12.00 and \$20.00 per 100. **GERANIUMS**, transplanted in flats, extra strong R. C. S. A. Nutt, \$12.50 per 1000; 3-inch plants, \$4.00 per 100.

**F. C. RIEBE, Webster, Mass.**

## Ferns for Dishes...

Assorted varieties, 2¼-in. pots, \$3.50 per 100; \$30.00 per 1000. Cash with order.

**FRANK OECHSLIN**  
4911 Quincy St. **CHICAGO.**

Glen Cove, N. Y.

Over 60 members and guests of the Nassau County Horticultural Society assembled at the Oriental hotel January 25 to enjoy the annual dinner provided by the society. The decorations were not many, but they were superb. The centerpiece, two feet or more across, and composed of lily of the valley, was provided by Alexander Mackenzie. The vases of carnations, Mrs. Chas. Knopf and Winsor, were brought by J. Eccles from Norwood, Oyster Bay. A splendid dinner was served, interspersed with speechmaking, vocal music and story telling. Everybody at the table was required to say or do something, and nearly every responded. Among the guests were Arthur Boddington, the Burnett brothers, of New York; Chas. H. Totty, Madison, N. J.; John McNichol, of Cedarhurst, and many others.

# Dormant Cannas

Guaranteed True to Name. With from two to three eyes each.

### Bronze Leaved

|                   | Doz.   | 100    | 1000    |
|-------------------|--------|--------|---------|
| David Harum.....  | 50c    | \$3 00 | \$27 50 |
| Egandale .....    | 50c    | 3 00   | 27 50   |
| King Humbert..... | \$1 25 | 8 00   | 75 00   |

### Orchid Flowers

|                   | Doz. | 100    | 1000    |
|-------------------|------|--------|---------|
| Allemania.....    | 35c  | \$2 25 | \$20 00 |
| Austria.....      | 50c  | 3 00   | 27 50   |
| Burbank.....      | 30c  | 2 00   | 17 50   |
| Fred Benary.....  | 90c  | 6 00   | 55 00   |
| Italia.....       | 50c  | 3 00   | 27 50   |
| Kate Gray.....    | 40c  | 2 50   | 22 50   |
| Partenope.....    | 40c  | 2 50   | 22 50   |
| Pennsylvania..... | 40c  | 2 50   | 22 50   |

### Red Flowers—Green Leaves

|                            | Doz. | 100    | 1000    |
|----------------------------|------|--------|---------|
| Chas. Henderson.....       | 40c  | \$2 50 | \$22 50 |
| Chicago .....              | 40c  | 2 50   | 22 50   |
| Explorateur Crampbell..... | 50c  | 3 00   | 27 50   |

### Variegated Flowers

|                               | Doz. | 100    | 1000    |
|-------------------------------|------|--------|---------|
| Elizabeth Hoss .....          | 60c  | \$4 00 | \$35 00 |
| Florence Vaughan .....        | 50c  | 3 00   | 27 50   |
| Souvenir D'Antoine Crozy..... | 60c  | 4 00   | 35 00   |

### Yellow and Cream Flowers

|                | Doz. | 100    | 1000    |
|----------------|------|--------|---------|
| Alsace.....    | 50c  | \$3 00 | \$27 50 |
| Cornet.....    | 60c  | 4 00   | 37 50   |
| Buttercup..... | 90c  | 6 00   | 55 00   |

### Pink Flowers

|                   | Doz. | 100    | 1000    |
|-------------------|------|--------|---------|
| L. Patry.....     | 35c  | \$2 25 | \$20 00 |
| Mile. Berat ..... | 40c  | 2 50   | 22 50   |

|                        | Doz.   | 100    | 1000    |
|------------------------|--------|--------|---------|
| Hofgartner Hoppe.....  | 90c    | \$6 00 | \$50 00 |
| George Birdell .....   | \$1 25 | 8 00   | 75 00   |
| George Washington..... | 50c    | 3 00   | 27 50   |

Special Cash Discount of 10% on all February Orders.

## Mosbaek Greenhouse Co., Onarga, Ill.

Mention the American Florist when writing

# Mary Tolman

Deep flesh that does not fade in the strongest light; clean grower; rigid stem; perfectly formed flowers; good producer.

Cuttings ready now, \$12.00 per 100; \$100.00 per 1000. Guaranteed in every way.

**CHICAGO CARNATION CO., Joliet, Ill.**

**A. E. HUNT & CO., Evanston, Ill. HUNT BROS., Park Ridge, Ill.**

# Sangamo

**Brilliant Glistening Pink.**

Winner Wherever Shown.

The most prolific and fastest growing carnation of any; very clean, upright grower, long stiff stems; **never splits**; flowers nicely fringed and well rounded out.

The one real money-maker for you to grow. Orders booked now. \$12.00 per 100; \$100.00 per 1000. All cuttings guaranteed.

**A. C. BROWN,**  
Springfield, Ill.

**CHICAGO CARNATION CO.**  
Joliet, Ill.

# CONQUEST

Light pink overlaid with deep rose. The most valuable and attractive carnation on the market. Lawson habit; very free; long stiff stems; large well built flowers.

Winner of First prize wherever shown.

Rooted Cuttings Guaranteed

Ready now, \$12.00 per 100; \$100.00 per 1000.

**Chicago Carnation Co., A. T. PYFER, Manager, Joliet, Ill.**



## A New Fern NEPHROLEPIS GIATRASI

Awarded a Certificate of Merit by the Horticultural Society of New York.

**Prices:** In 2¼-inch pots, \$3.50 per dozen; \$25.00 per 100; \$200.00 per 1000. 25 plants at 100 rates; 500 plants at 1000 rates. Orders delivered in rotation as received. **Now Ready for delivery,**  
**GEORGE GIATRAS,**  
463 Summit Ave., West Hoboken, N. J.

Baltimore.

Winter does not let go its grip in this latitude, and we are having a succession of storms of snow and wind, interspersed with occasional thaws and freshets, which will make the season long remembered for solid and continued discomfort. In contrast with December, which was noteworthy for clear days, the month of January has had more than the average of dull and dark ones. These conditions would appear unfavorable for social festivities, but the season has been of more than usual gaiety and the demand has been more liberal than for several years. Assemblies, balls, receptions, etc., have had the call, and the pace does not seem likely to abate until Lent sets in. All this makes for business. On the other and more somber side the demand for funeral flowers keeps perhaps above customary calls. The trying alternations of temperature, the dampness and piercing winds, have had the effect of increasing the roll of the sick and the dead, and the hospital and cemetery trade has correspondingly enlarged. The supply of flowers, with the unfavorable incidents of sunless days and cold nights, keeps fairly up, and carnations are almost ahead of the daily requirements. Roses keep about even with the demand and bulbous stock and lilies are making larger factors in the daily offerings. Violets seem scarcer, and the local contributions do not figure as they did formerly. Valley comes in with regularity now and is absorbed. There were some evidences on the streets on Saturday that the McKinley carnation remembrance was not overlooked, but the day did not contribute much, apparently, to the sum of business. The approach of Lent, while it puts a stop to large functions, by no means ends the gaieties of social life, but the events are smaller in extent and perhaps more numerous than where the bigger ones absorb the attention and require the preparation of the fashionable circles. Receptions, lunches, teas, card parties and similar entertainments make a pretty steady decorative demand.

### NOTES.

James Hamilton, of Mt. Washington, gave an account some weeks ago before the Gardeners' Club of his method of heating his expensive plant, and so interested the growers by his narration of the efficiency and coal-saving virtues of his boiler that his place is becoming quite a Mecca for florists who are not quite satisfied with their own heating apparatus. Mr. Hamilton has a self-contained tubular boiler without brick setting, the builders of which ought to be making its qualities known through the advertising columns of the *FLORIST*, if the interest he has aroused is to bring them fruit, since the question of economy in fuel is the one which is coming closer every year to flower-growers.

Frederick C. Bauer, of Govans, whose success in growing seedling Harrisii lilies aroused considerable in-

## Palms and Other Seasonable Stock

We have an extra good stock of *Forsteriana*, made up, three plants in a pot or tub all clean perfect plants. (We need to reduce our palm stock, and are giving extra values.)

7-in. pots, 3 plants in pot, 40 to 44 in. high ..... \$4.00 each.  
8-in. pots, 3 plants in pot 44 to 48 in. high ..... 5.00 each.

Single plants *Kentia Forsteriana*, 7-in. pots, 6 to 7 leaves, 36 to 40 inches high, \$2.50 each; 8-in. pots, 6 to 7 leaves, 40 to 44 inches high, \$3.50 each.

(Full line of sizes of both *Forsteriana* and *Belmoreana* in price list No 5. just out. Send for it, if you do not receive it.)

**Genista Racemosa**, 5-in. pot plants bushy, \$3.50 per dozen; \$25.00 per 100.

**Rhododendrons**, 18-in. plants with 8 to 12 buds, \$9.00 per dozen.

**Rhododendrons**, 24-in. plants with 12 to 15 buds, \$12.00 per dozen.

**Azalea Mollis**, 12 to 15-in. high, full of buds, \$30.00 per 100.  
15 to 18 in. high, very bushy, full of buds, \$35.00 per 100.

**Bougainvillea Glabra Sanderiana**, 5 in., well shaped, bushy plants, \$3.00 per dozen.

**Asparagus Sprengeri**, 2-in. \$2.50 per 100; \$20.00 per 1000.

**Boxwood**, Fine bushy plants, 12-in. high \$3.00 per doz. \$20.00 per 100.

**Fuchsias**, Assorted in 6 best varieties \$3.00 per 100; \$25.00 per 1000

**The Storrs & Harrison Co., Painsville, O.**

## Rooted Cuttings

**Verbenas**, choice varieties, 70c per 100; \$6.00 per 1000. **Heliotropes**, \$1.00 per 100; \$8.00 per 1000. **Begonias**, \$1.50 per 100. **Daisies**, white and yellow, \$1.10 per 100. **Pelargoniums**, \$2.50 per 100. **Geraniums**, 2-in. pots, \$2.50 per 100. Express paid. Cash with orders.

**S. D. BRANT,** Clay Center, Kans.

## Neph. Whitmani

2¼-in ..... \$ 5.00 per 100  
**MAGNIFICA** (new), 2¼-in... 25.00 per 100

**Boston Ferns** 2¼-inch, \$3.00 per 100.

**Henry H. Barrows & Son, Whitman, Mass.**

## Small Ferns

Assorted varieties for fern dishes, \$3.50 100; \$30.00 per 1000. Cash with order.

**ERNEST OECHSLIN,**

188 Madison St., RIVER FOREST, ILL.

terest a few years ago, keeps up his practice, and finds that the resulting product of going back to the seed secures almost absolute exemption from disease. Of course there is no fixedness of type, but divergences are not as great as might be expected.

The great charity ball of the Bounci temple which takes place on Thursday night in the great Fifth Regiment armory is to have gorgeous setting, the decorations, which are furnished by Edwin A. Seidewitz, being described by the papers as the most elaborate of the season.

Martin Lohr, of the firm of Lohr & Fritze, Frederick road, has gone on a southern tour with Mrs. Lohr, and when last heard from was in Montgomery, Ala., headed for the orange groves of Florida.

Wm. J. Corse, nurseryman, of Gardenville, aged 63, married last week. S. B.

OAKLAND, CALIF. — The Alameda County Horticultural Society has been disbanded.

EL PASO, TEX.—The Potter Floral Co. has just finished two new greenhouses making their plant complete 12,000 feet of glass.

## Miscellaneous Plants.

|                                              | Per 100 |
|----------------------------------------------|---------|
| 2¼-in. <b>Bostons</b> .....                  | \$ 4 50 |
| 4-in. " .....                                | 15 00   |
| 5-in. " .....                                | 25 00   |
| 7-in. " .....                                | 60 00   |
| 2¼-in. <b>Whitmani</b> .....                 | 5 00    |
| 2-in. <b>Asparagus Plumosus Nanus</b> .....  | 3 00    |
| 4-in. " .....                                | 12 00   |
| 2-in. <b>Asparagus Sprengeri</b> .....       | 2 50    |
| 3-in. " .....                                | 6 00    |
| 2-in. <b>Assorted Ferns for Dishes</b> ..... | 3 00    |
| 4 in. <b>Araucaria Excelsa</b> .....         | 50 00   |
| 2-in. <b>Baby Primrose</b> .....             | 2 50    |
| 2-in. <b>Chinese Primrose</b> .....          | 2 50    |
| 3-in. <b>Cyclamen</b> .....                  | 7 00    |
| 4-in. " .....                                | 15 00   |
| 2-in. <b>Moonvines</b> , white .....         | 3 00    |

Also a full line of bedding stock and the best wire hanging baskets on the market. Write us.

**D. U. AUGSPURGER & SONS CO., PEORIA, ILL.**

## A FEW GOOD THINGS YOU WANT.

**Rex Begonia**, 2-in. \$5.00 per 100.  
**Asparagus Sprengeri**, 3-in. \$5.00 per 100.  
**Geraniums**, Nutt. Doyle, Perkins, Grant, La Favorite, R. C. \$1.25; 2-in. pots, \$2.00; 3-in., \$4.00 per 100; Vaud, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C. \$1.50; 2-in. pots, \$2.50; 3-in., \$5.00 per 100; Mme. Sallerol, 2-in., \$3.00 per 100.  
**Asparagus Plumosus**, 2-in., \$3.00 per 100; 3-in., \$5.00 per 100. Cut fronds 25c per bunch.  
**Boston Ferns**, 5-in 25c each, **Whitmani Ferns**, 4-in. 25c each.  
**Cycas Palms**, 4 to 5 leaves, \$1.00, \$1.50 and \$2.00, **Vinca Var.**, 2-in. \$2.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order

**GEO. M. EMMANS,** Newton, N. J.

— YOU ARE INTERESTED IN —

## Plants for Easter

We have **Azaleas**, **Hydrangeas** in all sizes. **Baby Ramblers**, **White Ramblers**, **Souperis**, **Lilies**, **Byacinths** and other bulb stock. Write us in regard to these.

We can furnish you now in bloom, **Azaleas**, **Cinerarias**, **Cyclamens** and **Primroses**.

**Young Rose Stock**. We have about 20,000 young rose plants that will be ready for a shift in February. If you are interested in them, ask for our list of varieties and prices.

**Ferns**. If you are interested in ferns of any kind or size, write and let us know what you will want.

**GEO. A. KUHL,**

**Wholesale Grower,** Pekin, Ill.



YOU cannot afford, if you grow Carnations and are looking for larger profits on your present capital, not to investigate Dorothy Gordon carefully before you complete your season's arrangements—for Dorothy Gordon has the other commercial Carnations excelled at every point, and it's simply a matter of justice to yourself to give it at

least a fair trial this year. We have asked our friends to visit our plant and see it growing, and a great many have done so. Have YOU? If not, we urge you to come now, for you will certainly be convinced, as others have been, after seeing it in our houses.

# Carnation Dorothy Gordon

Possesses all the points that you, a progressive grower, desire in the flowers you supply your trade. Large size (3 inches or more in diameter), fine uniform color (a shade darker than Pink Enchantress), long stiff stems, strong constitution and excellent keeping qualities, profusion of bloom—all these are big, important qualities in favor of our new Carnation—and best of all is the fact its buds command a price 50% higher than those of the ordinary commercial sorts.

If you want any Dorothy Gordon this year though, you'll need to get in your reservation at once, as our stock of rooted cuttings is being taken rapidly. Orders will be filled in strict rotation at these popular prices: \$10.00 per 100; \$75.00 per 1000.

Give us a chance to show what Dorothy Gordon will do. Come to Wyncote if you can; if not, write for further particulars—We'll gladly answer questions.

JOSEPH HEACOCK COMPANY, Disseminators,

Wyncote, Pennsylvania.

## 1/2 Million Roses

For February delivery in these and  
and 400 other sorts.

Summer grown, on own roots.

|                              | 2 1/2-inch         | 4-in.  |
|------------------------------|--------------------|--------|
| Doz. 100 1000 100            |                    |        |
| Anna de Diesbach.....        | 50c \$3 50 \$30 00 | \$8 00 |
| Anny Muller.....             | 50c 3 00 25 00     |        |
| Ball of Snow (Beule de       |                    |        |
| Neige.....                   | 50c 3 50 30 00     | 8 00   |
| Bridesmaid.....              | 50c 3 00 25 00     | 8 00   |
| Bougere.....                 | 50c 3 00 25 00     | 8 00   |
| Catherine Zeimet (White      |                    |        |
| Baby Rambler).....           | 50c 3 50 30 00     | 10 00  |
| Duchesse de Brabant.....     | 50c 3 00 25 00     | 7 00   |
| Etoile de Lyon.....          | 50c 3 00 27 50     | 8 00   |
| Gruss an Teplitz (Vir. R.    |                    |        |
| Coxe).....                   | 50c 3 00 27 50     | 8 00   |
| Helen Gould (Balduin).....   | 50c 3 00 27 50     | 8 00   |
| Madame Masson.....           | 50c 3 50 30 00     | 7 00   |
| Mlle. Francisca Kreuger..... | 50c 3 00 25 00     | 8 00   |
| Magna Charta.....            | 50c 3 50 30 00     | 7 00   |
| Maman Cochet, pink.....      | 50c 3 00 27 50     | 8 00   |
| Marechal Niel, (4-in, 10c.,  |                    |        |
| 12c., 15c).....              | 50c 3 50 30 00     | 15 00  |
| Marie van Houtte.....        | 50c 3 00 25 00     | 7 00   |
| Meteor.....                  | 50c 3 00 27 50     | 8 00   |
| Papa Gontier.....            | 50c 3 00 27 50     | 7 00   |
| Phyllis (Pink Baby Ram-      |                    |        |
| bler).....                   | 50c 3 50 30 00     |        |
| Queen's Scarlet.....         | 50c 3 00 25 00     | 8 00   |
| Reine Marie Henriette.....   | 50c 3 00 25 00     | 8 00   |
| Rhea Reid.....               | 60c 4 00 35 00     | 10 00  |
| The Bride.....               | 50c 3 00 25 00     | 8 00   |
| Wellsley.....                | 50c 3 50 30 00     | 9 00   |
| White Bougere.....           | 50c 3 00 25 00     | 8 00   |
| White Maman Cochet.....      | 50c 3 00 27 50     | 8 00   |

Let us know your entire wants in roses

THE LEEDLE FLORAL COMPANY,  
SPRINGFIELD, OHIO.

## Geraniums

|                                                          | 1000    | 100    |
|----------------------------------------------------------|---------|--------|
| S. A. Nutt and 8 other varieties,<br>2 1/2-in. pots..... | \$20 00 | \$2 50 |
| Alternantheras, yellow, rooted cut-                      |         |        |
| tings.....                                               |         | 50     |
| Vincas, Var. 2-in. pots.....                             |         | 2 00   |
| Asp. Sprenger seedlings.....                             | 7 00    | 1 00   |
| Pansy Plants.....                                        | 2 50    |        |
| Cash.....                                                |         |        |

Jos. H. Cunningham, Delaware, O.

Flora Dale, Pa.

At the recent meeting of the State Horticultural Association of Pennsylvania all officers were re-elected. The banquet on the first evening was a great success, short speeches by a great number, giving an opportunity of becoming acquainted. We had decidedly the largest fruit exhibits shown at any of our meetings, and, without question, it was the best exhibition ever given in the state,—freedom from defects and general good quality considered. There was an opportunity to compare some boxed apples from Bitter Root valley Montana and Oregon, with boxed apples from our own state, to the decided credit of the Pennsylvania apples.

## Rooted Carnation Cuttings.

New Carnations for 1910.

|                     | Per 100 | Per 1000 |
|---------------------|---------|----------|
| Dorothy Gordon..... | \$12 00 | \$120 00 |
| Shasta.....         | 12 00   | 120 00   |
| Scarlet Glow.....   | 12 00   | 120 00   |
| Sangamo.....        | 12 00   | 120 00   |

### Carnations of 1909.

|                       |      |                         |      |
|-----------------------|------|-------------------------|------|
| O. P. Bassett.....    | 6 00 | Ruby.....               | 6 00 |
| Pink Delight.....     | 6 00 | Mrs. J. C. Vaughan..... | 6 00 |
| Mrs. Chas. Knopf..... | 6 00 | Georgia.....            | 6 00 |

### Standard Varieties.

| WHITE VARIETIES.       | Per 100 | PINK VARIETIES.             | Per 100 |
|------------------------|---------|-----------------------------|---------|
| White Enchantress..... | \$3 00  | Winsor.....                 | \$3 00  |
| Lady Bountiful.....    | 3 00    | Afterglow.....              | 3 00    |
| White Perfection.....  | 3 00    | Splendor.....               | 3 00    |
| Queen Louise.....      | 2 00    | Pink Imperial.....          | 2 50    |
| The Queen.....         | 2 00    | Rose Pink Enchantress.....  | 2 50    |
| My Maryland.....       | 2 00    | Mrs. Thos. W. Lawson.....   | 2 00    |
| Sarah Hill.....        | 3 00    | Nelson Fisher.....          | 2 00    |
| Lloyd.....             | 3 00    | Mabelle.....                | 1 50    |
|                        |         | Variegated Enchantress..... | 2 50    |

| RED VARIETIES.      | Per 100 | YELLOW VARIETIES.  | Per 100 |
|---------------------|---------|--------------------|---------|
| Robert Craig.....   | \$3 00  | Eldorado.....      | \$2 00  |
| John E. Haines..... | 2 00    | Golden Beauty..... | 2 00    |
| Beacon.....         | 3 50    |                    |         |
| Flamingo.....       | 3 00    |                    |         |
| Victory.....        | 3 00    |                    |         |
| Roosevelt.....      | 3 00    |                    |         |
| Harlowarden.....    | 2 00    |                    |         |
| Cardinal.....       | 2 00    |                    |         |

Grafted and Own-Root Roses ready for Early Delivery. Send for Circular.

### Choice Varieties of Verbenas.

|                                            | Per 100 | 1000    |                                         | Per 100 | 1000    |
|--------------------------------------------|---------|---------|-----------------------------------------|---------|---------|
| Rooted Cuttings, our selection.....        | \$ 75   | \$ 6 00 | Rooted Cuttings, Purchasers select..... | \$ 90   | \$ 8 00 |
| Plants, 2 1/2-in. pots, our selection..... | 2 50    | 20 00   | Plants, 2 1/2-in. pots.....             | 3 00    | 25 00   |

Entirely sold out of Miss Wilmott cuttings and plants.

J. L. DILLON.

Bloomsburg, Pa.

## ROOTED CARNATION CUTTINGS

Ready for January delivery, clean, healthy and well rooted.

|                                                   | Per 100 | 1000    |
|---------------------------------------------------|---------|---------|
| "Miami Queen" Our new carnation, Cerise Pink..... | \$10 00 | \$85 00 |
| Enchantress.....                                  | 2 00    | 18 00   |
| "Rose Pink.....                                   | 3 50    | 30 00   |
| "White.....                                       | 3 50    | 30 00   |
| White Perfection.....                             | 2 50    | 20 00   |
| Beacon.....                                       | 3 00    | 25 00   |
| Victory.....                                      | 2 50    | 20 00   |

Cash with order or satisfactory references.

MIAMI FLORAL CO.,

George Bartholemew,  
Manager.

24 N. Main St., Dayton, O.

The Fruit Growers' Association of Adams County took first award for best display, with Wyoming county second. Notable in the former collection was the high color of practically all specimens, and their freedom from all defects of any kind. Notable in the latter was a collection of all varieties by Lewis Bros., of Pittston, which were very good, and a display of fancy Northern Spys by F. H. Fassett, of Meshoppen.

C. J. T.

## Snow White Sport of Helen Frick Chrysanthemum

Special Certificate of Merit at Maryland Horticultural Society. Heavy stock plants, \$3.00 per dozen; small stock plants, \$2.00 per dozen.

HENRY EICHHOLZ,

Waynesboro, Pa

Always mention The American Florist  
when you order stock, : : : :



# The Ideal Red Carnation

# O. P. BASSETT

It has been the *Leading Red Carnation* in this market, bringing the highest price of any and selling the best. It has paid us more money per square foot of bench than any other variety. The flowers are 3 1-2 inches in diameter, a deep brilliant red, and borne on long stiff stems. Winner of First Prize everywhere. Rooted cuttings, \$50.00 per 1000; \$6.00 per 100.

Buy Direct From the Originators.

## Bassett & Washburn,

Office and Store, 76 Wabash Ave., Chicago. Greenhouses, Hinsdale, Ill.

### McMinnville, Ore.

Since the first rains came the weather has continued rather bad. November and December were unusually wet, but the first killing frost we had came November 15. The first snow came December 4, but was soon gone, and the storm was followed by a dozen fine days and then the good and bad sandwiched in until now we are hoping the worst has past. Business has been exceptionally good this winter and we are looking forward to a heavy spring trade. To be sure, the weather has been dark and the flowers came slow, but the crop is healthy, with a good stand of buds.

In conversation with G. S. Crego (the aster specialist) the other day, he said he was very much pleased with the general appearance of his seed crop this season, and even though the threshing proved a little shortage in the bulk of seed, yet he hopes to be able to fill most of his orders, except in the rose pink and purple, of which the roguing took so many. It seems Mr. Crego is very particular as to what he saves for seed.

Warren C. McIntire has completed a greenhouse in the northwest corner of town. The house is 18 by 60 feet, and at present he has it filled with lettuce.

### Louisville.

Business the past week was excellent, with roses scarce and carnations plentiful. There is a good demand at this season for pot plants, cyclamens, azaleas, etc. The trouble is to get good ones to sell.

A firm under the imposing title of American Forestry Co. took orders last summer for Christmas trees and failed to make any shipment. This firm promised more and did less than any one we have come across.

## SHASTA

We are now shipping fine strong cuttings of **Shasta** as fast as they are ready to come out of the cutting bench. We have enough orders booked to take all that will be ready up to Feb. 15. If you want late February delivery you should get your order in at once. Come and see it growing; once you see it, you will want to grow it.

\$12.00 per 100; \$100.00 per 1000.

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A New Carnation Seedling of wonderful merit will be offered to the Florists' Trade in February, 1910. Orders booked now. This Carnation

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## CANNAS

**Dahlias, Ferns, Asparagus, Ficus**

See classified department for prices.

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Rupert Rayner was seriously injured by being struck in the abdomen by a wagon tongue, the horses starting up suddenly. For a time it was feared he had received fatal internal injuries, but he is improving.

Ernst B. Kretschmer & Son have started in the growing of pot and decorative plants and cut flowers.

H. G. W.

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Roses, from 3-in pots. Chrysanthemums  
Carnations for fall delivery. Smilax, Violets  
IN BEST VARIETIES.

Prices low. Send for list.

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WALTER W. COLES,

Kokomo, Ind.



# THE PUBLIC Aphine Tests

Held in New York in December, and in Boston in January, have given such satisfactory results to the manufacturers of APHINE, that another test will be held in Philadelphia on Lincoln's birthday, February 12th, 1910.

**Further Particulars in  
Next Week's Issue.**

If you are not familiar with the new insecticide discovery, APHINE, send for descriptive circular.

If your supply house does not yet handle APHINE, write us for names of nearest selling agents.

**APHINE MANUFACTURING  
COMPANY, Madison, N. J.**

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**From Hot Water to Steam.**

ED. AMERICAN FLORIST:—

Having a hot water system heated by sectional cast iron boilers, with 2-inch radiating pipes, I desire to change to steam, displacing the present boilers with return flue tubulars, and would like to know, if the same pipes can be used for carrying the steam, what, if any, changes are necessary?

K.

While a smaller size than 2-inch pipe is generally preferred for the returns in a steam-heating system for greenhouses, very good results can be obtained with returns of that size, especially in long houses. Without knowing anything as to how the present system is arranged, it is, of course, impossible to tell just what changes would be necessary to adapt a hot water system for use with steam. In case it is of the ordinary down-hill construction, with over-head mains, very little change would be necessary. The house can be heated with about one half the radiation required with hot water and hence the piping should be reduced to this extent, and valves should be provided at both ends of one half of the remaining pipes so that they can be cut off in mild weather. The expansion tank should also be disconnected and air-valves placed at the lower end of each coil; a check valve should be placed in the return near the boiler. If the arrangement is such as to afford a free return for the condensed water to the boiler and for the escape of the air from the coils, there is not likely to be any difficulty in changing over the system, as proposed.

L. R. T.

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| 2 - 72x18 Tubular Boilers. | 3 - 42x12 Tubular Boilers.  | 1 - 36x12 Fire Box Boiler.  |
| 6 - 60x16 Tubular Boilers. | 2 - 36x10 Tubular Boilers.  | 1 - 36x10 Fire Box Boiler.  |
| 1 - 60x14 Tubular Boiler.  | 2 - 48x14 Fire Box Boilers. | 2 - 30x 8 Fire Box Boilers. |
| 2 - 54x16 Tubular Boilers. | 3 - 48x12 Fire Box Boilers. |                             |

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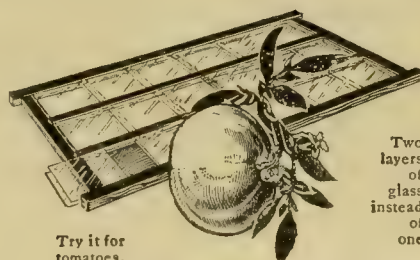
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POUGHKEEPSIE, N. Y.—Chas. Schaumburg, of the Haggerty Floral Co., has returned to business after a week's illness.

SAN ANTONIO, TEX.—Walter Schumann was thrown from his buggy January 20 sustaining several body bruises. Fortunately no bones were broken.

WILMINGTON, DEL.—The business of John J. Kuratie, whose death was announced in our issue of January 29, will be continued by Mrs. Kuratie, who has made arrangements to that effect. The Kuratie greenhouses are well known as being among the best cared for in this vicinity, and Mr. Kuratie had built up a good trade.



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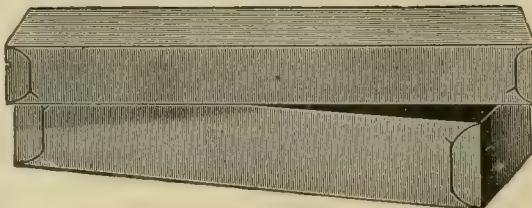
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Azaleas, Mme. Petrick, 75c to \$1.25. Deutsche Perle, Vervaeana, Simon Mardner, Apollo, 50c to \$1.50 each. Easter varieties: Niobe, Bernard Andreas Alba, \$1.25 to \$2.50. Empress of India, Mme. Van der Cruyssen, Helena Theilmann, Dr. Moore, Prof. Wolters, Schryveriana, Apollo, Vervaeana, Simon Mardner, D. Perle, 50c to \$2 each. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Azalea mollis, 15 to 20 buds, 50c each; \$5 per doz.; \$40 per 100; 40 to 50 buds, \$1 each; \$10 per doz. Vaughan's Seed Store, Chicago and New York.

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Pansy plants, \$2.50 per 1,000. Jos. H. Cunningham, Delaware, O.

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Pelargoniums, Mme. Vibert, Sandford's surprise, Linda, Dorothy, Mme. Thibaut, strong, 2-in., \$6 per 100. F. H. DeWitt & Co., Wooster, Ohio.

Pelargoniums, \$2.50 per 100. S. D. Brant, Clay Center, Kans.

**PEONIES.**

Peonies, all vars., Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars., W. & T. Smith Co., Geneva, N. Y.

Peonies only by the wholesale. Best 100 varieties. J. F. Rosenfeld, West Point, Neb.

Peonies, sixteen acres. Write for prices. Gilbert H. Wild, Sarcoux, Mo.

Peonies, a superb collection. Jackson & Perkins Co., Newark, N. Y.

**PETUNIAS.**

Petunias, dbl., mixed colors, \$3 per 100. R. Vincent, Jr., & Sons, White Marsh, Md.

Petunias, dbl. (Dreer's), \$2 per 100; \$5 per 300. J. C. Schmidt, Bristol, Pa.

Petunias, dbl., 2-in., \$2 per 100. Byer Bros., Chambersburg, Pa.

**PRIMULAS.**

Chinese primroses, 1400 4-in., large plants full of bud and bloom, mixed colors, double and single, \$7.50 per 100. 3000 Primula obconica, 4-in., large plants, mixed colors, full of bloom, fine stock for Easter, \$5 per 100. Try them. Alonzo J. Bryan, Washington, N. J.

Primroses, obconica, 3-in., \$6 per 100; Baby, 2-in., \$2.50 per 100. D. U. Augspurger & Sons Co., Box 778, Peoria, Ill.

Primula obconica, full of bloom in 4 and 5-in. pots, 35c each. Mosbaek Greenhouse Co., Onarga, Ill.

Primula obconica, 10c each. Mosbaek Greenhouse Co., Onarga, Ill.

Primula obconica. J. C. Schmidt, Bristol, Pa.

Primroses. Geo. A. Kuhl, Pekin, Ill.

**PRIVET.**

50,000 California privet and Ampelopsis Veitchii, field-grown. Benj. Connell, Merchantville, N. J.

California privet, 12 to 18 inches, branched, \$10 per 1,000. Larger sizes at low rates. E. Y. Teas, Centerville, Ind.

**RHODODENDRONS.**

Rhododendrons, 18 ins., 8 to 12 buds, \$9 per doz.; 24 ins., 12 to 15 buds, \$12. Storrs & Harrison Co., Painesville, O.

Rhododendrons, \$6, \$9, \$12, \$15, \$18 per doz. Bobbink & Atkins, Rutherford, N. J.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

**ROOTED CUTTINGS.**

Rooted Cuttings, prepaid: Heliotrope, \$1. Fuchsias, 8 kinds, \$1. Paris daisies, yellow and white, \$1. Cuphea, 75c. Vinca Var., 90c. Coleus, 10 kinds, 60c. Alternantheras, 3 kinds, 50c. Ageratums, 3 kinds, 60c. Swainsona alba, \$1. Dbl. petunias, 10 kinds, \$1. Feverfew Gem, \$1. Flowering begonias, 8 kinds, \$1.25. Byer Bros., Chambersburg, Pa.

Rooted Cuttings: Coleus, 10 varieties, 60c per 100; \$5 per 1,000. Salvias, 75c per 100; \$6 per 1,000. Double Petunias, \$1 per 100; \$9 per 1,000. Heliotrope, \$1 per 100; \$9 per 1,000. Ageratum, 50c per 100; \$4 per 1,000. Begonias (Gracilis), \$1 per 100; \$9 per 1,000. Birmingham Landscape and Nursery Co., P. O. Box 663, Birmingham, Ala.

Rooted cuttings: Verbenas, 70c per 100; \$6 per 1,000. Mums, \$1.25 per 100; \$10 per 1,000. Daisies, white and yellow, \$1 per 100; \$8 per 1,000. Alyssum, 50c per 100; \$7 per 1,000. Feverfew, \$1.25 per 100; \$10 per 1,000. Mmo. Sallerol, \$1.25 per 100; \$10 per 1,000. C. Humfeld, Clay Center, Kans.

**ROSES.**

Roses, White Killarney, R. C., \$6.50 per 100; \$60 per 1,000; 2½-in., \$8.50 per 100; \$75 per 1,000; grafted, \$14 per 100; \$125 per 1,000. Pink Killarney, R. C., \$4 per 100; \$35 per 1,000; 2½-in., \$6 per 100; \$55 per 1,000; grafted, \$12 per 100; \$120 per 1,000. My Maryland, R. C., \$4 per 100; \$35 per 1,000; 2½-in., \$6 per 100; \$55 per 1,000; grafted, \$12 per 100; \$110 per 1,000. Richmond, R. C., \$3.50 per 100; \$30 per 1,000; 2½-in., \$5.50 per 100; \$50 per 1,000. Maids, Brides, R. C., \$3 per 100; \$25 per 1,000; 2½-in., \$5 per 100; \$45 per 1,000. Cardinal, R. C., \$3.50 per 100; \$30 per 1,000; 2½-in., \$5.50 per 100; \$50 per 1,000. Am. Beauties, R. C., \$4 per 100; \$35 per 1,000; 2½-in., \$7 per 100; \$65 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, dormant stock. Crimson Rambler, 2-yr., branched, own roots, \$2 per doz.; \$15 per 100; 2-yr., budded, \$2 per doz.; \$15 per 100; 3-yr., budded, \$3 per doz.; \$18 per 100; 4-in. \$10 per 100. Tausendschon, 2 yr., grafted, \$3.50 per doz.; \$25 per 100. Lady Gay, 2-yr., \$3 per doz.; \$20 per 100. White Baby Rambler, 3-in., 15c each; 4-in., 25c each; \$2.50 per doz.; \$20 per 100. Baby Rambler, 1st size, budded, 3-yr., \$2.50 per doz.; \$16 per 100; \$150 per 1,000; 2nd size, grafted, 2-yr., \$2 per doz.; \$12 per 100; \$100 per 1,000; pot-grown, 2½-in., 75c per doz.; \$5 per 100; 3-in., \$1.25 per doz.; \$8 per 100; 4-in., \$2 per doz.; \$12 per 100. Vaughan's Seed Store, Chicago and New York.

Roses, dormant field-grown, own roots. Sweetheart, T. Blumschen, La Fiamma, Trier, D. Perkins, Lady Gay, Debutante, Hiawatha, 12c each. Tausendschon, Barbier, 20c. Dingee & Conard Co., West Grove, Pa.

Roses, for forcing, hybrid perpetuals and Ramblers. Jackson & Perkins Co., Newark, N. Y.

Roses, on own roots, budded, bedding, H. Ps., hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Taft rose, 2½-in., \$15 per 100. J. M. McCullough's Sons Co., 316 Walnut St., Cincinnati, O.

Roses, Crimson Ramblers, Souperets, Hermosa. Geo. A. Kuhl, Pekin, Ill.

Roses, Bride, Maid, Golden Gate, 3-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

Roses, Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.



Roses, leading varieties. Leedle Floral Co., Springfield, Ohio.

Rose Radiance, 2½-in., \$18 per 100. John Cook, 318 Charles St., Baltimore, Md.

Roses, 3-in. Wood Bros., Fishkill, N. Y.

### SALVIAS.

Salvia, good strong stock, 2½-in., \$2.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

### SEEDS.

Palm Seeds, Phoenix Canariensis, seed, \$1.50 per 1,000. Phoenix reclinata, \$2.25 per 1,000. Washingtonia robusta, 75c per 1,000. Washingtonia filifera, \$1 per 1,000. Chamaerops excelsa, 75c per 1,000. Smilax, 35c per oz., ½ lb., \$2. Sterculia diversifolia, Australian bottle tree, 35c per oz.; ½ lb., \$2. Schinus molle, pepper tree, 50c per lb. F. M. Warner, 1100 So. Flower St., Los Angeles, Calif.

Seeds, Alyssum Carpet Queen, \$5 per oz.; tr. pkt., 25c. Phlox Dwarf Fireball, oz., \$2.50; tr. pkt., 35c; Roseball, oz., \$2; tr. pkt., 30c; Snowball, oz., \$3; tr. pkt., 40c; Cicily, oz., \$2.50; tr. pkt., 35c; Salvia Fireball, oz., \$4; tr. pkt., 50c; King of Scarlets, oz., \$10; tr. pkt., 50c; Zurich, oz., \$8; tr. pkt., 50c. O. V. Zangen, Hoboken, N. J.

Vaughan's New Crop flower seeds. For varieties and prices see advertisement page 89 in this issue. Vaughan's Seed Store, Chicago and New York.

Seeds, Sprengeri, 75c per 1,000 seeds. Petunias dbl. fringed, trade pkt., \$1; single, 50c; California giants, 50c. Salvia Zurich, oz., \$5; Triumph, oz., \$5. Moon flower, white, 35c. W. C. Beckert, 103 Federal St., North Side, Pittsburg, Pa.

Seeds, Lobelia Crystal Palace compacta, Salvia, Splendens and Bonfire, Centaurea Gym., Cobaea scandens, Mignonette, N. Y. Market, Begonia Vernon, Dracena indivisa, Primula Chinensis, Schizanthus Wisetonensis, Onion Ailsa Craig, Tomato The Don. Weeber & Don, 114 Chambers St., New York.

Seeds, onion, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify, C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, Cauliflower and cabbage. Hjalmar Hartman & Co., 31 Barclay St., New York, and 12 Stormgade, Copenhagen.

Seeds, Phoenix Roebeleni. Sander, T. Mellstrom, Representative, 235 Broadway, New York.

Seeds, specialties: Stocks, pansies, cyclamens, etc. Pape & Bergemann, Quedlinburg, Germany.

Seeds for the market gardener. German Nurseries & Seed House, Box 245, Beatrice, Neb.

Seeds, sweet peas, Christmas Pink and Denzer, \$2 lb. Chas. H. Totty, Madison, N. J.

Seeds, flower. Frederick Roemer, Quedlinburg, Germany.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, asters. James Vick's Sons, Rochester, N. Y.

Seeds. Landreth Seed Establishment, Bloomsdale Farms, Bristol, Pa.

Seeds, Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Vegetable seeds, plants, sold direct. Catalogue free. Glick Seed Farms, Lancaster, Pa.

Seeds, garden, field and flower. S. D. Woodruff & Sons, 82-84 Dey St., New York.

### Contract Growers.

Seeds, peas, beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohnert, Gilroy, Calif.

Seeds, sweet peas. Anton Zvolanek, Boundbrook, N. J.

Seeds, growers for the wholesale trade only. Braslan Seed Growers' Co., San Jose, Calif.

California seed contracts. Kimberlin Seed Co., Santa Clara, Calif.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds, field, garden and flower. Rout-zahn Seed Co., Arroyo Grande, Calif.

### SMILAX.

Smilax plants, 2½-in., \$1.50 per 100; \$12 per 1,000. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia, Pa.

Smilax, 2-in., \$1.25 per 100. Byer Bros., Chambersburg, Pa.

Smilax. Wood Bros., Fishkill, N. Y.

### SPIREAS.

Spireas. J. Smits, Ltd., Naarden, Holland.

### VEGETABLE PLANTS.

Vegetable plants. Cabbage, Wakefield and Succession, \$1 per 1,000; \$8.50 per 10,000. Parsley, 25c per 100; \$1.25 per 1,000. Lettuce, Big Boston, Boston Market, Grand Rapids, \$1 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

### VERBENAS.

Verbenas, rooted cuttings, our selection, 75c per 100; \$6 per 1000; plants, 2½-in., our selection, \$2.50 per 100; \$20 per 1000; R. C., purchaser's selection, 90c per 100; \$8 per 1000; plants, 2½-in., \$3 per 100; \$25 per 1000. J. L. Dillon, Bloomsburg, Pa.

Verbenas, R. C., 70c per 100; \$6 per 1,000. S. D. Brant, Clay Center, Kans.

Lemon Verbena, 2-in., \$2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lemon Verbena, R. C., 75c per 100 prepaid, Cash. Chas. Frost, Kenilworth, N. J.

### VINCAS.

Vinca minor, the hardy vinca for cemetery planting and under trees, where grass will not grow; well rooted layers, \$1.50 per 100; \$10 per 1,000. E. Y. Teas, Centerville, Ind.

Vinca variegated, 2½-in., \$2.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Vinca var., 2-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Vinca Variegated, field, \$4 per 100. F. C. Riebe, Webster, Mass.

Vinca var., R. C., 75c per 100 prepaid, cash. Chas. Frost, Kenilworth, N. J.

### VIOLETS.

VIOLETS, Baronne A. de Rothschild is making good everywhere, as the most free and most fragrant single in cultivation. Size and stem equal to Princess, color a shade darker. Rooted runners or divisions, ready in April. Book your order now, at \$6 per 100; \$50 per 1,000. F. W. Fletcher Co., Auburndale, Mass.

Violets, Princess of Wales, 5 per 100. F. C. Riebe, Webster, Mass.

Violets. Wood Bros., Fishkill, N. Y.

### WHOLESALE CUT FLOWERS.

#### Commission Dealers.

Allen, J. K., 106 W. 28th St., New York.

Amling, E. C., 32-36 Randolph St., Chicago.

Berning, H. G., 1402 Pine St., St. Louis.

Deamud, J. B. Co., 51 Wabash Ave., Chicago.

Denver Wholesale Florist Co., 1433-35 California St., Denver, Colo.

Flower Growers' Market, 60 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., N. Y.

Guttman, Alex J., 34 W. 28th St., N. Y.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros. Co., 48-50 Wabash, Chicago.

Kessler Bros., 50 W. 28th St., New York.

Keuhn, C. A., 1122 Pine St., St. Louis, Mo.

Kruchten, John, 51 Wabash Ave., Chicago.

Kyle & Foerster, 51 Wabash Ave., Chicago.

Langjahr, Alfred H., 55 W. 28th St., N. Y.

McCallum Co., 937 Liberty Ave., Pittsburg.

McCullough's Sons Co., J. M., 316 Walnut St., Cincinnati, O.

McKellar, Chas. W., 51 Wabash, Chicago.

McKissick, W. E. & Bros., 1619-21 Ranstead St., Philadelphia.

Moore, Hentz & Nash, 55-57 W. 26th St., New York.

Michigan Cut Flower Exchange, 30-40 Broadway, Detroit, Mich.

Millang, Aug., 41 W. 28th St., New York.

Millang, Chas., 444 6th Ave., cor. 27th St., New York.

Murdoch & Co., J. B., 714 Penn Ave., Pittsburg, Pa.

Murphy, William, 311 Main St., Cincinnati.

Niessen Co., Leo, 1208 Arch St., Phila.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Pittsburg Cut Flower Co., 222 Oliver Ave., Pittsburg.

Pittsburg Florists' Exchange, 217-233 Diamond St., Pittsburg, Pa.

Pollworth, C. C. Co., Milwaukee, Wis.

Randall, A. L. Co., 19 Randolph St., Chicago.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

Raynor, John I., 49th and W. 23th St., New York.

Sheridan, Walter F., 39 W. 28th St., N. Y.

Slinn, B. S., 55-57 W. 26th St., New York.

Smith & Co., W. C., 1316 Pine St., St. Louis.

Traendly & Schenck, 44 W. 28th St., N. Y.

Vaughan & Sperry, 52-54 Wabash, Chicago.

Welch Bros., 226 Devonshire St., Boston.

Winterson, E. F. Co., 45-49 Wabash, Chicago.

Young, C. & Sons, 1406 Olive St., St. Louis.

Young & Nugent, 42 W. 28th St., New York.

Zech & Mann., 51 Wabash Ave., Chicago.

### Growers.

Bassett & Washburn, 76-78 Wabash Ave., Chicago.

Bruns, H. N., 1049-11 W. Madison, Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Chicago Rose Co., 56-58 Wabash Ave., Chicago.

Dayton Floral Co., Dayton, O.

Elliott, W. H., Brighton, Mass.

Hill, The E. G. Co., Richmond, Ind.

Krueger Bros., Toledo, O.

Poehlmann Bros., 35-37 Randolph, Chicago.

Reinberg, Geo., 51 Wabash Ave., Chicago.

Reinberg, Peter, 35 Randolph St., Chicago.

Weiland & Olinger, 128 E. 3d St., Cincinnati, O.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wittbold, Geo. Co., 1657 Buckingham Pl., Chicago.

### RETAIL CUT FLOWERS.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.

Anderson, S. C.—The Anderson Floral Co., 533 Marshall Ave.

Atlanta, Ga.—Atlanta Floral Co., 41 Peach-tree St.

Baltimore, Md.—Z. D. Blackstone, 1601 Eutaw Pl.

Boston, Mass.—Hoffman, florist, 59 Massachusetts Ave.

Brooklyn, N. Y.—Robt. G. Wilson, Fulton St. and Green Ave.

Buffalo, N. Y.—W. J. Palmer & Son, 304 Main St.

Chicago—Hauswirth, Florist, Auditorium Annex.

Chicago—Wittbold, Florist, 1657 Buckingham Pl.

Cincinnati, O.—Julius Baer, 138 E. 4th St.

Colorado Springs, Colo.—Frank F. Crump.

Dayton, O.—Matthews, 16 W. 3d St.

Denver, Colo.—Daniels & Fisher.

Denver, Colo.—The Park Floral Co.

Detroit, Mich.—John Breitmeyer's Sons, cor. Miami and Gratiot Aves.

Indianapolis, Ind.—Bertermann Bros. Co., 241 Mass. Ave.

Kansas City, Mo.—Geo. M. Kellogg Flower and Plant Co., 906 Grand Ave. Also Pleasant Hill, Mo.

Kansas City—S. Murray, 1017 Broadway.

Los Angeles, Calif.—J. W. Wolfskill, 218 W. 4th St.



Louisville, Ky.—J. Schultz, 644 4th Ave.  
 New Orleans, La.—U. J. Virgin, 833 Canal St.  
 New York—A. T. Bunyard Floral Co., 413 Madison Ave.  
 New York—David Clarke's Sons, 2139 Broadway.  
 Omaha, Neb.—Hess & Swoboda, 1416 Farman St.  
 Rochester, N. Y.—J. B. Keller Sons, 25 Clinton St.  
 San Francisco, Calif.—J. B. Boland, 60 Kearney St.  
 St. Louis, Mo.—Young's, 1406 Olive St.  
 St. Paul, Minn.—Holm & Olson.  
 Terre Haute, Ind.—John Heintz & Son, 129 So. 7th St.  
 Toronto, Ont.—Dunlop's, 96 Yonge St.  
 Washington, D. C.—Z. D. Blackstone, 14th and H Sts.  
 Washington, D. C.—A. Gude & Bros., 1214 F St.  
 Washington—Geo. C. Shaffer, 14th and I Sts., N. W.

### BUILDING MATERIAL.

Building material, hotbed sash, cypress, unglazed 95c each; in doz. lots, 90c; glazed, \$1.65 each; doz. lots, \$1.60. Pine sash, unglazed, 90c; doz. lots, 85c; glazed, \$1.60; doz. lots, \$1.55 each. Building hardware, wire and wire fencing, bolts, hatchets, hammers, etc. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building material, cypress sash bars, Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pipe fittings and all supplies needed in new or reconstruction work. Foley Mfg. Co., Western Ave., and 26th St., Chicago.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Deitsch Co., 2642 Sheffield Ave., Chicago.

Building material, Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Sunlight double glass sash for hotbeds and cold frames. Sunlight Double Glass Sash Co., 934 E. Broadway, Louisville, Ky.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

### FANS.

Fans. Sirocco. American Blower Co., Dept. A. F., Detroit, Mich.

### FERTILIZERS.

Wizard Shredded Cattle Manure, 100 lbs., \$1.20; 500 lbs., \$5; 1,000 lbs., \$8; 2,000 lbs., \$13. Pulverized Manure Co., 32 Exchange Ave., Union Stock Yards, Chicago.

Thomson's vine, plant and vegetable manure. Wm. Thomson & Sons, Ltd., Clovenfords, Scotland.

### GAS ENGINES.

Akron Gas Engines, 3 h. p., 5 h. p. and other sizes. The Akron Machine Co., Akron, O.

### GLASS.

Glass, Greenhouse glass a specialty; also window glass. Sprague, Smith & Co., 167-9 Randolph St., Chicago.

Glass. High grade, double thick greenhouse glass. Lord & Burnham, 1133 Broadway, N. Y.

Glass of all kinds and sizes. Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

Glass, greenhouse, all sizes. H. M. Hooker Co., 120-123 W. Washington St., Chicago.

### GLAZING POINTS.

Glazing points, Lord & Burnham special glazing nails (points), Lord & Burnham Co., 1133 Broadway, New York.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc never-rust glazing points, 2 sizes,  $\frac{1}{8}$  and  $\frac{1}{4}$ , 40c per lb.; 16c extra by mail; 7 lbs., \$2.50; 15 lbs., \$5, by express. Randolph & McClements, Baum & Beatty Sts., Pittsburg, Pa.

### GREENHOUSE CONSTRUCTION.

Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings & Co., 1170 Broadway, New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk, Chicago.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

Wittbold cement post moulds. E. H. Hunt, 76-78 Wabash Ave., Chicago.

### KNIVES.

Razor steel, hand forged, postpaid. Propagating, 50c; budding, 35c; grafting, 25c; pruning, 75c. Cat. free. Maher & Grosch Co., 91 A St., Toledo, Ohio.

### MISCELLANEOUS.

Meyer green silkaline, \$1.25 per lb., 8 spools to lb. Meyer violet thread for violets, \$1.25 per doz. spools of 500 yards each. John C. Meyer & Co., 1449 Middlesex St., Lowell, Mass.

Pansy and Verbena baskets, 9 ins. long, 6 ins. wide, 3 ins. deep, \$9 per 1,000; 13 ins. long, 7 $\frac{1}{2}$  ins. wide, 4 ins. deep, \$15 per 1,000. Detachable handles, \$2 per 1,000. Coles & Co., 109 Warren St., New York.

Rocking grate bar, saves 10 to 25 per cent coal. U. S. Rocking Grate Bar Co., 77 Jackson Blvd., Chicago.

Evergreen Brand Flower Fertilizer, \$2 per can of 12 lbs. D. D. Johnson Co., 64 Wabash Ave., Chicago.

Pillsbury's Carnation Staple, 50c per 1,000 postpaid. I. L. Pillsbury, Galesburg, Ill.

The Mastin Automatic Whitewash and Spraying machine. J. G. Mastin & Co., 3124 W. Lake St., Chicago.

Superior Carnation staple, 50c per 1,000, postpaid. L. J. Waite, 293 Main St., Springfield, Mass.

Ribbons and chiffons. M. Shattis & Co., 19 Wabash Ave., Chicago.

### PIPE, FITTINGS, ETC.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U-bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., Western and 26th, Chicago.

Pipes and fittings, cast iron and wrought pipe, valves, elbows, pipe hooks, automatic air headers, etc. Lord & Burnham Co., 1133 Broadway, New York.

Iron fittings, patent iron bench fittings and roof supports. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Pipe and fittings. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Pipe, valve fittings. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Ideal pipe clamps. Wm. Moll, 1664 Columbus Rd., Cleveland, O.

### POTS, PANS, ETC.

Pots, before buying write for prices. Geo. Keller & Sons, 2614-22 Herndon St., Chicago.

"NUFF SED." Best red pots are made by Geo. E. Feustel, Fairport, Iowa.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots, florist red. Peters & Reed Pottery Co., Zanesville, O.

Neponset waterproof paper flower pots. Vaughan's Seed Store, Chicago and New York.

Pots. Syracuse red. Syracuse Pottery Co., Syracuse, N. Y.

Pots. Standard, all sizes. A. F. Kohr, 2934-38 N. Leavitt St., Chicago.

Paper flower pots, 500,000. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

### STEAM TRAPS.

Steam traps, the Standard return steam trap has no equal for its simplicity of working. E. Hippard, Youngstown, O.

Morehead Return Steam Traps, Morehead Mfg. Co., 1047 Grand River Ave., Detroit.

Detroit return traps. American Blower Co., Dept. A. F., Detroit, Mich.

### STAKES.

Cane Stakes. Standard grade 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000.

Pipe Stems about 6 feet, per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

### WIRE DESIGNS.

Headquarters for wire work. Send for list. F. W. Ball, 31 E. 3rd St., Cincinnati, O.

## BOOKS FOR FLORISTS

The following books should be in every florist's and gardener's library. A good book on any subject in which you are specially interested is worth years of experience and should be kept convenient for reference at all times.

Send prices quoted and we send the books.

**PRACTICAL FLORICULTURE** (Peter Henderson).—A guide to the successful propagation and cultivation of florists' plants. Illustrated. 325 pages. \$1.50.

**THE HORTICULTURISTS' RULE-BOOK** (L. H. Bailey).—Contains information valuable to all those engaged in any branch of horticulture. Illustrated. 312 pages. 75 cents.

**HOW TO MAKE MONEY GROWING VIOLETS** (Saltford).—This is by a practical grower who has made a success of the business. No grower of violets can afford to be without it. 25 cents.

**OUTDOORS** (McGaffey).—A breezy little book of the woods, fields and marshlands. Interesting to the lover of outdoor sports, the fisherman, hunter or botanist. Readable from cover to cover.

**CHRYSANTHEMUM MANUAL** (Smith).—By an expert who has given his undivided attention for twenty years to the improvement of the chrysanthemum and its culture in detail. Profusely illustrated. 40 cents.

**HEATING AND VENTILATING BUILDINGS.** (Carpenter).—This book covers the entire subject most fully. In the preparation of heating and ventilating plans it will be found a most valuable guide. \$4.00.

**CABBAGES, CAULIFLOWER AND ALLIED VEGETABLES** (Allen).—The requirements of the important vegetables of the cabbage tribe are given here very fully. The book also contains interesting chapters on seed raising, insects, pests and fungus diseases common to these plants. 50 cents.

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Dobbs Ferry, N. Y.

The Horticultural Society held a dinner at Prucey's restaurant January 19, which was largely attended. An excellent menu was prepared by the restaurant management and the service was all that could be desired. The tables were handsomely decorated with carnations, roses, and other flowers. President Thomas Lea presided and, after coffee had been passed, introduced John Dunbar as toastmaster for the evening. His first call was on J. Smith, of Tarrytown Horticultural So-

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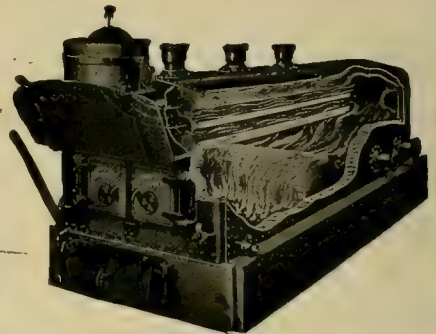
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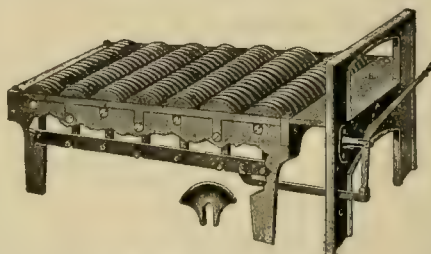
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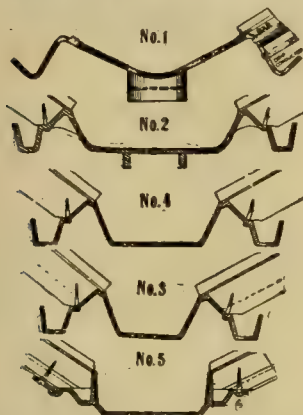
ciety, who gave a very able address on the good work being done by horticultural societies in general. W. Scott was the next speaker, who spoke on the good fellowship existing between Tarrytown and Dobbs Ferry societies. J. Scott delivered the real horticultural speech of the evening. J. Oths entertained with some of his reci-

tations. F. Walter, of Yonkers, and C. Kurkevich entertained by several selections on the violin. H. Kastberg, secretary, gave an insight to the good work of the society during the past nine years. B. Husted, T. Lea, P. Clinton and others made very entertaining remarks.

H. H.



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Steam Engineering Department,

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## Superior Crimped Invisible Carnation Staple

(PATENT APPLIED FOR.)

For repairing split carnations. 1000 for 50 cents  
Postpaid.

L. J. WAITE, 293 Main St., Springfield, Mass.

Syracuse, N. Y.

"This is positively the best season I have ever had," says Henry Morris, in speaking of the condition of trade during the past few weeks. Continuing, he said: "There have been more coming out parties here in two months than ever occurred before in the same length of time. And more varied bouquets were carried, including the old-fashioned stiff bouquets with bouquet papers. Other bouquets in demand were made of lily of the valley and orchids. The call has been for the more costly flowers. There has been lots of good funeral work, including wreaths and a broken column six feet high for the funeral of Edward B. Judson, president of the First National bank. The column was of white carnations and the base of white roses. For funerals there have been lots of orders for designs and bouquets, many of the latter being of valley, sweet peas and maidenhair ferns. I do not know that times were ever any better." Mr. Morris was also commissioned to trim Mr. Judson's desk and chair at

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The most durable white paint for this purpose.

Half barrels, (25 gallons), per gal. \$1.35. 5 gal. pails, per gal. \$1.40

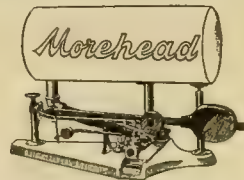
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Let us put your name on our list of "satisfied users." Our "Trap Book" sent on request.

**MOREHEAD M'F'G. CO.,**

Dept. N, Detroit, Mich.

the bank. Through an unauthorized announcement to "kindly omit flowers," orders amounting to hundreds of dollars were lost through being cancelled by the friends after the announcement. Some of the business was saved through friends advising the florists to the contrary. Mr. Judson

was a great admirer of flowers.

Hugh McCarthy, for many years a popular mail carrier attached to the post office, has become manager of one of P. R. Quinlan's retail stores. Mr. McCarthy is a son-in-law of Mr. Quinlan and has a wide circle of friends here.





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MISSOULA, MONT.—A. C. Anderson brought suit in the district court January 20 against his partner, Margaret Johnson, asking that a receiver be appointed for the greenhouse business in which they have been engaged. He also asks for a judgment of \$5,000, on the ground that he has not had an equal share of the firm's income.



## Wilson's Corsage-Bouquet HOLDER

Award of "Highly Commended" at the S. A. F. Trade Exhibition at Cincinnati.

Holds Corsage-Bouquet securely and gracefully.  
Prevents damage to apparel.

Adjustable to any diameter of bouquet stem.  
Adaptable to anything from Violets to Roses

Does away with Corsage Pins.  
A handsomely silver plated article and ornamental in itself.

Samples to trade. 25c each, by mail postage paid.  
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*green Flies and Black ones too*  
are easy to kill with  
**The Fumigating Kind Tobacco Powder**  
\$3.00 per bag 100 lbs.  
Satisfaction guaranteed or money back why try cheap substitutes that makers do not dare to guarantee?  
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**CUT FLOWER BOXES**  
**EDWARDS FOLDING BOX CO**  
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POT MAKERS FOR 140 YEARS

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FOR OUR

## Florists' Red Pots

Is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We ship over five lines of railroad by river or interurban. Write for catalogue showing all the articles we make for florists' use.

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## Standard Flower Pots!

Packed in small crates, easy to handle

| Price per crate              | Price per crate             |
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| 1500 2-in., in crate, \$4.88 | 144 6-in., in crate, \$3.16 |
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| 500 4 " 4.50                 | 48 9-in., in crate, \$3.60  |
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Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address

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Porosity and Strength  
Unsurpassed.

Write for prices.

**A. F. KOHR**

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Albany, N. Y.

Fred A. Danker has planned to increase largely the size of his store at 40 Maiden lane. He will lease from May 1 the store at 42 Maiden lane and will close up the entrance there, turning the same into a large show window. The plans also include the removal of certain partitions in the present store and improvements that will add both to the space and the utility of the establishment. Work will be begun about May 1. R. D.

HIGHLAND MILLS, N. Y.—G. A. Merritt and wife celebrated the silver anniversary of their wedding January 25, by inviting a number of friends to their home.

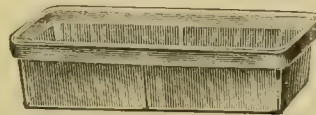
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8 spools to the lb.—16 oz actual weight  
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Manufacturers of  
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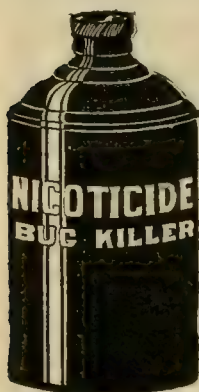


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INSECTICIDE AND FUNGICIDE

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Kills Green Fly, Aphides, Bark Lice,  
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goods in America.  
Send for catalogue.



PASADENA, CALIF.—The Gardeners' Association is planning to build a large hall to hold its flower shows in, also for holding meetings.



## Iron Frame House Built for Asher M. Coe, at North Olmsted, Ohio.

It is built with our No. 1908 gutter on this side, as he contemplates joining another house to it.

Here is a letter from Mr. Coe which makes interesting and convincing reading:

"Am very much pleased with the 30x100 Iron Frame House you sold me a year or so ago. Am just cutting an immense crop of Carnations—the biggest I ever saw and they are fine. The only thing I am sorry for, is that I didn't tear out the old house south of new one, and put in an Iron Frame House—it would have paid big—well, I will in a year or two."

(Signed) ASHER M. COE, Cuyahoga Co., North Olmsted, O.

P. S.—"Everybody who comes in is very much pleased with the new house. It is so very light and is much cooler in hot weather."

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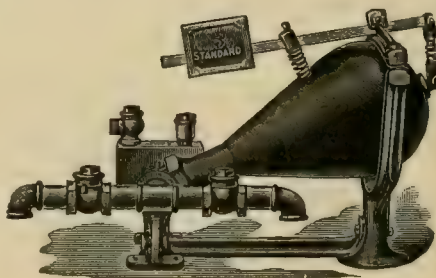
They are built in sections, 8-ft. 4-in. long, each one complete in itself, so that when the house is enlarged it isn't necessary to pull half the house down. Our

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Before you decide on your new house, it is up to you to find out all you can about how Hitchings & Co. build Hitchings houses. A personal talk, of course, is the best way; the next best is to look carefully through our printed matter which we will gladly send for the asking.

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Has established a record far above that of any other trap for florists; being very simple, durable and easily taken care of.

Catalogues of the Trap, Duplex Gutter, and Standard Ventilating Machinery, mailed free upon application.

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# THE AMERICAN FLORIST



*America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."*

Vol. XXXIV.

CHICAGO AND NEW YORK, FEBRUARY 12, 1910.

No. 1132

## THE AMERICAN FLORIST

TWENTY-FIFTH YEAR.

Copyright, 1910, by American Florist Company.  
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at the Post Office at Chicago, Illinois,  
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umes half yearly from August, 1901.

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OFFICERS—F. R. PIERSON, Tarrytown, N. Y.,  
Pres.; FRED W. VICK, Rochester, N. Y., Vice-  
Pres.; H. B. DORNER, Urbana, Ill., Sec'y;  
WM. F. KASTING, Buffalo, N. Y., Treas. Next  
meeting at Rochester, N. Y., August, 1910.

### THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at  
Boston, Mass., March, 1911. FRED. BURKIL,  
Pittsburg, Pa., President; A. F. J. BAUR, Thirty-  
eighth St. and Senate Ave., Indianapolis, Ind.,  
Secretary.

### AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at New  
York, March 16-18, 1910. AUG. POEHLMANN,  
Chicago, President; BENJAMIN HAMMOND, Fish-  
kill-on Hudson, N. Y., Secretary.

### AMERICAN PEONY SOCIETY.

Seventh annual meeting at Horticultural Hall,  
Boston, Mass., June 1910. B. H. FARR, Reading,  
Pa., Pres.; A. H. FRWKES, Newton Highlands,  
Mass. Sec'y.

## Our Supplements.

Subscribers should see that they get copies of  
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high grade design and decorative work. These  
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much to the retail florists in dealing with their  
customers, illustrating as they do the various  
kinds of work that the everyday florist is called  
upon to perform.

The papers in which the supplements appear  
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much valuable data with regard to these special  
illustrations. Subscribers should see that they  
get every issue as otherwise they may miss  
some of this high grade work.

## HALF HOUR CHAPTERS FOR PLANT GROWERS

### Azaleas.

Many growers think that azaleas  
are not worth carrying over after the  
first year and, if not sold when in  
flower, throw them away after flower-  
ing. If they do not intend to culti-  
vate them properly but just allow  
them to lie around the greenhouses  
without attention until they flower  
again next season then it would be  
better to throw them away at once  
for they will never do any good or be  
worth the room they take up. On the  
other hand, if given suitable treat-  
ment, there is no reason why they  
should not be as good, or even better,  
the second season as the first. The  
Indian azalea makes its growth direct-  
ly after flowering, the new leaves  
starting even while the flowers are  
opening in many cases. They should  
be encouraged during the growing  
time by a moist genial, growing tem-  
perature but not by strong heat as  
this only tends to soft growth and in-  
sects. By midsummer buds for next  
season's flowering can usually be felt  
forming in the new growth and when  
this occurs the plants may go out-  
doors, giving them a rather shady po-  
sition and watering carefully until  
September or the beginning of Octo-  
ber, when they can go under glass  
again for flowering in the usual way.

### Hydrangeas.

Probably fewer hydrangeas than  
usual will be prepared for Easter this  
year, the date being too early for  
these plants to be in their best form.  
Where they have been especially  
grown and were ripened up and start-  
ed early they can be had in time but  
they bring equally as good prices at  
Memorial day when they can be had  
with less expenditure for heat. Plants  
to stand hard forcing must be well  
established and, unless they are really  
forward, it will be better to let them  
come along slowly and both flowers  
and foliage will be finer than those  
produced in strong heat. A frequent  
mistake made in the culture of hy-  
drangeas is feeding too early. We do

not want big leaves like cabbage  
leaves and as long as they keep deep  
green and healthy this is all that need  
be expected. When the flowers begin  
to form is usually quite early enough  
to feed unless the plants are extra  
large in comparison with the size of  
the pots. A liberal addition of soot  
water to the liquid manure is of great  
assistance to the foliage, keeping the  
color good but if this is not at hand  
nitrate of soda used regularly but in  
small quantities in conjunction with  
good liquid manure is a very fair sub-  
stitute.

### Pot Chrysanthemums.

Experienced growers of pot chrys-  
anthemums for market find they get  
better results by propagating early and  
growing their plants on by slow de-  
grees, giving small shifts, than by  
striking the cuttings later and grow-  
ing them more quickly. The reason is  
that the growth becomes more con-  
solidated as it is produced and is  
harder and ripened more when flow-  
ering time comes around, producing  
flowers of better substance and more  
of them. The finest plants of Halli-  
day and Wm. H. Lincoln we saw last  
year, were from cuttings inserted at  
the end of February and grown and  
shifted on as described above. For  
pot culture one has to choose the  
varieties, but almost any kind is im-  
proved in habit by this method. It  
is less needed perhaps for the pomp-  
ous and singles than for the larger  
growers, but even with these natu-  
rally dwarf growers, moderately hard  
and well ripened wood produces finer  
and brighter colored flowers than that  
which is soft and green, and bright  
color is a great advantage for pot  
plants. In this kind of culture a great  
point to keep in mind is the avoid-  
ance of exciting conditions; these are  
harmful in every way. Plenty of air  
all through the early stages gives the  
plants a robust constitution and an  
ability to stand up against unavoid-  
able checks that is impossible with  
stock coddled and rushed along in  
close, heated houses or frames.



### Petunias.

Petunias of a good strain are among the most useful cheap bedding plants, keeping up a bright show all through the summer with a minimum expenditure of time or money. Seed of a good strain costs only a little more than the commonest and it is no more trouble to grow good varieties than poor. Sown now good plants in 2½-inch pots will be produced by planting out time at the end of May. The seed is very fine and must not be deeply covered when sowing but, if it is new and good, no seed is more to be depended upon for germinating. Sow very thinly or the young plants will become crowded and drawn before they have become large enough to handle for pricking out. It is surprising what a large number of plants can be raised from just a pinch of seed and how much ground it will cover if sown thinly. As soon as the plants are up grow them cool right along and pinch the point out of each as soon as they recover from the first transplanting, to induce a bushy habit.

### Treatment of Newly Potted Plants.

No matter how well plants might have been rooted in their pots before repotting, there is always a danger when they are moved to a larger size and have a lot of new soil around them that the roots will suffer, either from over watering or too little. The danger is less, of course, in the hands of an experienced grower who, by reason of long practice, has almost a second sight that tells him by the look of a plant and the soil whether it is in need of watering or not. This necessitates a knowledge of the soil and its peculiarities. The grower who has a good fibry loam, with plenty of substance, has a good deal the advantage over others with an extra light or brashy soil, for the roots produced in the former are stronger and less liable to injury from slight mistakes in treatment than the weaker, softer roots produced in loose unsubstantial soils. Supposing that the plants were well rooted before being repotted—and no plant should be given a larger pot until it has obtained a good hold on the soil in the pot in which it is growing—then it is safest to give one thorough watering directly after potting. Stand the plants on a level bench or floor, in order that the soil will not be washed out of place, and water until every inch of soil is wet, going over the plants two or three times. Besides insuring them against lack of moisture this also makes it certain that there are no air cavities around the roots, settling the soil around them. But after this first heavy watering considerable care is required and the grower must be sure that most of the moisture in the soil is used up by the roots before giving a fresh supply. As before noted an experienced grower can tell by the look of his plants whether they are dry enough to want water or not. This knowledge has to be gained by the beginner in the work, not by watering them "willy nilly" but by examining a plant here and there carefully, going so far, if doubtful about it, as to lift it and tell by the weight whether it is dry

or not. Very little practice along this line will aid the beginner considerably until, almost before he is aware of it, he has the hang of the thing and can go right along with his hose or watering can and feel confident that he is doing right.

Besides root treatment, that of the atmosphere is important. A plant or species that needs a moderately dry atmosphere when established will, when its roots have been disturbed, require more atmospheric moisture to enable the foliage to remain fresh and plump and to avoid wilting. Unless the leaves are kept in good order



Casket Spray of Callas.

By D. L. Vincent, Ionia, Mich.

the roots will remain inactive and the whole system of the plant fails. There must be a reciprocal action between roots and leaves, easy to maintain when the plants are well established but more difficult when the roots have been disturbed by the potting and are unable to send up the requisite moisture to the leaves. What is lacking then, through the ordinary root and leaf action must be supplied through the atmosphere to the foliage, either by absorption, as some authorities declare, or by a reduction in the amount given off by evaporation or by the principle of osmosis, a principle that all plant growers would find an interesting study and useful in their work. The supply of atmospheric moisture may be kept up by means of damping

between the pots and under the benches just as easily as by wetting the plants overhead, as this makes it difficult to decide whether or not the plants need root moisture. There are times, especially during hot summer weather, when a good washing from the syringe or hose does the plants a great deal of good, replenishing wasted moisture supplies and refreshing the plants greatly, but it is easily overdone, with almost any class of plant, especially in dull weather.

## THE RETAIL TRADE

### Casket Spray of Callas.

The spray or loose bunch of flowers of any kind as a funeral offering is much more popular of late than a set piece, where only a low price can be obtained. It is true there is not the scope for artistic arrangement in these small bunches that there is in more pretentious pieces, but they suit the retailer's customers and he has the chance to turn a few dollars this way which could not happen if only large and expensive designs were offered. The principal point to keep in mind in making up these sprays is to keep the flowers well apart and yet make a well finished bunch. Callas are always more or less stiff in appearance. This cannot be helped when no other flowers are used, but the picture herewith of a bunch by D. L. Vincent, Ionia, Mich., well illustrates the point in question.

### Wreath of Orchids and Valley.

SEE SUPPLEMENT WITH THIS ISSUE.

Where patrons are willing to pay the price there are few more exquisite wreaths than one made with orchids and lily of the valley. The valley sprays give a bright appearance and break up any flatness that may be caused by using cattleyas alone while their snowy whiteness helps the neutral tints of the orchids. A good decorator will get a better effect with a dozen orchids than a flower butcher will with fifty, for orchids are flowers that need to be properly displayed, so that their full beauty can be seen. There is an individuality about the flower of a cattleya when it is "looking out" of a bouquet, wreath or other floral piece that is entirely lost when the flowers are huddled together or placed in unnatural positions. With this provision anyone with an eye to a beautiful arrangement can so place orchids that they never fail to be satisfactory. The lily of the valley should be used as a foil to the orchids. Alone, this flower is not effective, unless it is in small sprays or bunches with its own foliage, but in connection with others it is a very beautiful foil to rich colors while retaining its own individuality more than do most small flowers. The sprays should not be put in just because there is a vacant space in the wreath but where they will have the best effect and where a little of their own foliage can be added, as they can when used with orchids, their appearance is greatly enhanced.

For a green to use with cattleyas nothing can approach *Adiantum Farleyense*. The broad flat pinnules of the fronds and their peculiar soft green





STANDING WREATH OF ORCHIDS AND LILY OF THE VALLEY, BASE OF GLADIOLI.







shade harmonizes well with the pinks, mauves and purples of the orchids and makes a delightful setting for them. As to the base of the wreath, almost any flower that stands up well and does not clash in color with the orchids will do well. *Gladiolus America* is frequently used and with good effect and there are other varieties of this flower that do equally well. One of the most satisfactory bases to a wreath of this kind was made with a snowy white *gladiolus* and its own foliage, a few sprays of *leucothoe* being introduced at the bottom to give a spreading appearance and good finish. Easter lilies too are fine for this purpose, callas, chrysanthemums of good shape and even good long-stemmed asters all being suitable. The idea is to have something bold and striking, something in strong contrast to the wreath above and if this is kept in mind and glaring incongruities of color avoided then a good result is almost certain.

#### Preparing for St. Valentine's Day.

St. Valentine's day is not exactly a big day for the retailer, but there is quite a little extra doing, and if he lays himself out to get the business by showing neat boxes, baskets and other arrangements of flowers dear to the feminine heart, then probably he will be well repaid. In Chicago the supply men have been busy shipping out violet boxes and hearts, ribbons and the hundred and one little trifles that go to make up an up-to-date display. The retailers are not behind hand and are making pretty and effective window shows with the great variety of flowers now on the market.

Fleischman is showing some novel and pretty baskets of flowers, such as sweet peas, orchids and violets which can hardly fail to attract. The neat yet attractive way in which these are put up and their surroundings in this well appointed store have more to do with the success of the thing than even the quality of the flowers, though this is excellent. We do not see any of the cheap, trashy material here; everything is good and well displayed. Chas. A. Samuelson, being so near the Coliseum, has introduced an automobile for the auto show at this hall, the model being very well worked out in immortelles. But he has not forgotten St. Valentine and the pretty little trifles around the store are put up in his own inimitable style.

John Mangel has a very attractive store and is laying himself out to catch the St. Valentine's Day trade. In his Monroe street window, in addition to fine stock of all kinds, violets and violet boxes and many little things to tempt the eye there is a quaint and pretty conceit consisting of a table with an immense open red flower and a cupid rising from the center. All around are pretty little red shades and ornaments, hearts and others, the table cloth being similarly decorated. It causes quite a little crowd to gather all the time and will doubtless prove a good drawing card. Elegant bulb stock in pans is shown as well as azaleas, cyclamens in Delwood gilt boxes, and other good plants. Harry Rowe is going strong on violets and expects a heavy demand. He is well prepared with pretty and attractive

boxes and hampers and the usual paraphernalia of St. Valentine's day.

H. R. Hughes at West Van Buren street has celebrated St. Valentine's day by putting out one of his illustrated stories, this time addressed to the "West Side Bachelors" with a subtitle "and married men." It is illustrated with a cut of an attractive girl holding a rose which is a little on the fashion plate order and a happy looking individual taking one of Hughes' valentine boxes of flowers to his wife—or sweetheart—it is not quite clear which. Anyway, it is good advertising and Mr. Hughes deserves the greatest credit for the trouble and expense he goes to along this line. Incidentally we may mention his excellent window and store display for Lincoln's birthday, the old frame house and rail fence being well done. These shows are a never ending source of interest to passers-by and cause his store to be talked about, and this is what he wants.

#### An Open Letter.

ED. AMERICAN FLORIST:—

Having been a reader of the *AMERICAN FLORIST* for several years, keeping in touch with the advancement in the trade through such a valuable paper, I appreciate the widespread publication of opinion granted to its readers whereby all may benefit by some advice given through its columns.

During the past year, many new varieties of carnations have been originated and disseminated. Descriptions are given by the originators which naturally call attention to some special feature of flowers or the vigor of growth, their productiveness, etc. Every grower whose object is to advance, naturally desires to procure the variety which will yield the largest crop and the best quality under general conditions. As each season brings forth its new varieties many additions are required, but in the course of a year most of these are never heard from again. Many good varieties pass that are never heard of by the small grower who plants say 6,000 carnations as stock. He needs all the space available to devote to special varieties that his trade demands, consequently he never has a chance to try the new varieties that appear each year.

There is only one solution to the problem as it appears, one that guarantees absolute surety, and the advice received from such a source would be invaluable to the small as well as to the large grower. It is the experiment stations. They exist in every state and it is right here a variety test should be carried on to benefit every florist. They could judge for themselves the good qualities as well as the poor qualities of the many new kinds. It would not be one man's opinion but that of many, as the florists could see them growing at all times and judge for themselves in making a final decision.

The stations are established for the benefit of the florist as well as the farmer, yet how few ever seek the advice that would be beneficial to them. Most sit back after having paid their taxes and become pessimistic if an experiment station is mentioned. Some claim it cannot benefit them because

it does not pursue special lines in horticulture. This may be true, but we each pay a tax that demands the creation of a department in floriculture. Don't let this slip your minds. Meetings are held in many cities, but very seldom is an experiment station given consideration or seldom is news forthcoming that florists have visited them. It takes just a simple movement among the growers who are really interested in their own welfare to get together and have a talk with their representative in the legislature to bring about the necessary requirements to assist their interests.

We might ask, in concluding, "What does an experiment station really mean to us?" The answer is very simple: It is the best bureau of practical information we can get. Still there seems to be a misunderstanding among the growers who have had life experience in the business and who feel they need no advice. We are never too old to learn to accept advice that will correct an error that may mean great financial loss to us. Co-operation is needed and this we must have if our object is to advance. The experiment station would not only be the place to test varieties of plants, but to disseminate broadcast the knowledge of commercial fertilizers and their effects when applied under artificial heat. This alone would mean valuable service for a little time spent among us at our meetings, getting together to forward a petition to the legislature demanding a reasonable return for our taxes. We are falling behind each day we neglect this duty. How many of us have a peculiar soil to deal with in growing our stock year after year? The same poor results coming each season. Some will pay a chemist to analyze the soil to determine the cause of such hard luck. Right here is a loss of money even though it be a small consideration. What is our experiment station chemist for? He is paid to give us the same service as the farmer. How many use him? There are a great many other points that would be interesting that cannot be touched on at this time, but every florist owes it to himself and his own welfare to give this subject consideration before passing it up, for all it costs is a few names added to a petition to fill their needs. The assistance is waiting for the asking. What are we growers going to do about it?

D. MANLEY JOBBINS,

FRAMINGHAM, MASS.—During the last year S. J. Goddard added 10,000 square feet to his glass area.

ORANGE, N. J.—F. C. Read's greenhouses at Chapel street were damaged by fire, which started in the furnace January 30. There was no insurance.

PORTLAND, ORE.—The E. J. Harmon Co. has been incorporated, with capital stock \$10,000, "for producing and dealing in seeds, bulbs, plants, etc." E. J. Harmon is president, Mabel I. Hayes, treasurer.

FALL RIVER, MASS.—The G. L. Freeman Co. has been incorporated, to deal in flowers, with \$30,000 capital stock in 300 shares of \$100 each. The officers are G. L. Freeman, president, and Wm. E. Braley, treasurer, the directors being the president, treasurer and E. F. Hoffenreffer.



### National Association of Gardeners.

The preliminary premium list for the annual flower show and convention of the National Association of Gardeners to be held at Philadelphia, March 15-17, has just been issued. Numerous prizes are offered for carnations, roses, bulbs, tubers, orchids and miscellaneous, the donors including Robert Craig Co., Philadelphia, Pa.; F. R. Pierson Co., Tarrytown, N. Y.; Peter Henderson & Co., New York; Rickards Bros., New York; Benjamin Hammond, Fishkill, N. Y.; Bobbink & Atkins, Rutherford, N. J.; Hitchings & Co., New York; Ellwanger & Barry, Rochester, N. Y.; P. H. Goodsell, New York; Weathered Co., New York; Lager & Hurrell, Summit, N. J.; Julius Roehrs Co., Rutherford, N. J.; Joseph A. Manda, West Orange, N. J.; J. T. Withers, Jersey City, N. J.; Lord & Burnham Co., New York; Wilson Plant Oil & Fertilizer Co., Chatham, N. J.; W. Atlee Burpee, Philadelphia, Pa.; Burnett Bros., New York, and W. & T. Smith Co., Geneva, N. Y.

The exhibition will be held in connection with the spring show of the Pennsylvania Horticultural Society. Robt. Craig, Wm. Turner and Chas. H. Totty will officiate as judges. The officers of the society are as follows: Wm. Kleinheinz, Ogontz, Pa., president; James Bell, Garrison, N. Y., and A. J. Smith, Geneva, N. Y., vice presidents; Chas. Dumper, Bay Shore, L. I., N. Y., treasurer; W. E. Maynard, New York, secretary; Edwin Jas. Day, West Philadelphia, Pa., assistant secretary. The members of the executive committee are: Wm. Kleinheinz, Chas. Dumper, James Bell, John Shore and W. E. Maynard.

### New Water Lily Pond at Kew.

Outside Museum No. 2 and between that building and the melon ground a new water lily tank has been built in the open air on the site that for years has been devoted to medicinal plants at Kew. The pond itself is sunk two or three feet below the general level of the surrounding garden and is approached from several points by steps. The pond is severe in outline, with stone banking and a cement bottom. Hot water pipes run all around and through the pond so that the temperature of the water may be kept at a certain point if necessary. Only the choicest varieties of hardy or half-hardy water lilies are grown here and the fact that a government establishment like Kew has gone to the expense of constructing the pond, is in itself an indication of the popularity of these nymphæas.

Many of the large private gardens in England have had open air tanks constructed for the culture of these plants and during the summer months ingenious exhibits are made at many of the shows. Temporary tanks are improvised out of tarpaulins placed in shallow wooden tanks and when these are filled with six inches or one foot of water and planted with nymphæas and other aquatics they give a realistic effect to the herbaceous groups, or dwarf trees and shrubs planted on the artificial banks.

W.

## THE CARNATION.

"CAROLA, a deep crimson carnation, is in small supply in the Covent Garden Market, London, and will supersede Harlowarden and Roosevelt," says the Horticultural Advertiser.

HOOSIER LAD, Dorner's fine scarlet, winner of the gold medal at the Pittsburg convention of the American Carnation Society, does not bloom freely and on this account is not likely to be offered to the trade.

### Carnation Culture.

For use in funeral decorations and other display work, carnation flowers should be of good quality, and to produce such, the propagation and culture of the plants producing them and the gathering and care of the flowers after being grown, must be carefully and properly attended to,



Wm. Kleinheinz.

President National Association of Gardeners.

necessitating unflagging attention on the part of the grower. This is not alone the case with the carnation plants and flowers, said W. T. Bell in a paper read at the recent convention of the American Carnation Society, but applies as well to all the stock in the florist's domain, a fact which all plantsmen do not seem to appreciate. If eternal vigilance is the price of liberty, it is no less the price of good plants and flowers and the difference in the success of different florists may generally be ascribed to the continuous care bestowed on his stock by the successful grower, and the intermittent care and partial neglect in this respect of his less successful neighbor.

### PROPAGATION—OLD AND NEW METHODS.

There are different ways of propagating carnations, and the older English authorities seem to have preferred layering, which is necessarily a very slow method, and is practically unknown in this country. Another means that they practiced was propagation by pipings, which were practically the same as our cuttings, and the

directions for the operation are as follows: "Prepare as many pots as are wanted. Fill them nearly full of compost, and the remaining space with silver sand. Prepare the pipings, by cutting off a stem quite smooth at the third joint, then carefully split the joint just through and insert the pipings in the sand."

How would our growers, who propagate carnations by the million, like to be confined to the slow and tedious method just outlined? Undoubtedly their patience and their pots, with some of the other material mentioned, would soon become exhausted. Judging from the directions concerning many of the horticultural operations described in the English works on gardening, and especially those of an early date, silver sand was a very important substance in the gardener's equipment, and, while it is a very nice and cleanly material to work with, we have proved by long practice that it is not indispensable.

The best material from which to make carnation cuttings are the shoots springing from the sides of the flowering stems, but taken before they are old enough to have developed the three joints mentioned in the directions concerning pipings, just read. These will make better plants than the tips of terminal stems, such as are produced on young plants, and which are sometimes used. Cuttings should never be taken from plants showing any signs of disease, such as yellow or spotted foliage, notwithstanding the temptation to do so, in the case of varieties that it is desired to increase to the limit.

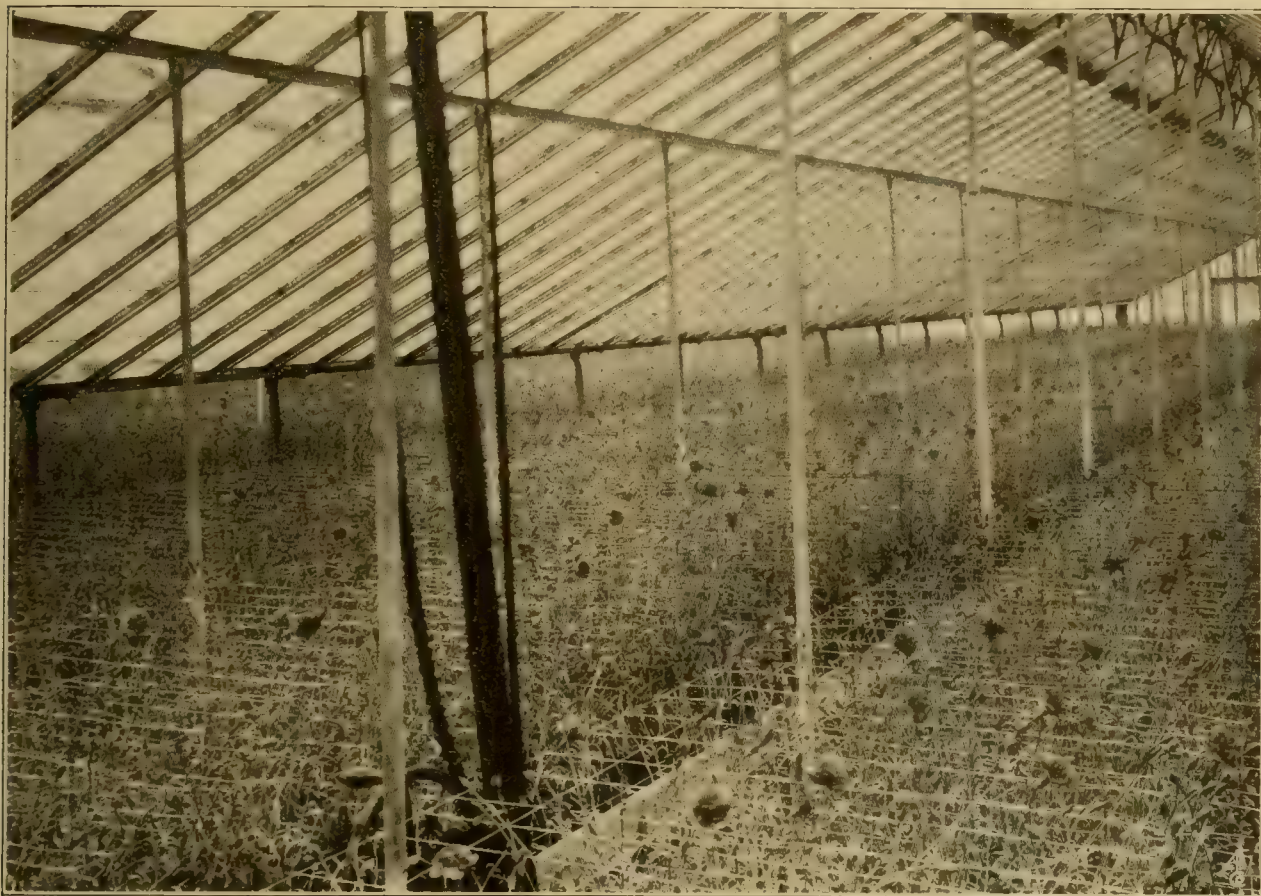
### PREPARATION OF THE CUTTINGS.

Only so many cuttings should be taken off at once as can be prepared before they show any symptoms of wilting. They should be handled at a distance from stoves or hot pipes, and not in bright sunshine, and it will do no harm to freshen them by a gentle spray of cold water, if it seems necessary. While some growers insert the cuttings in the sand almost in the condition in which they are taken from the plants, it is very much better to prepare them first by judicious pruning, as follows: Pull off two or three of the lowest leaves, but without removing too much of the substance of the stem of the cutting, then, with a sharp knife, shorten any of the remaining leaves that are long enough to require it, leaving from one to two inches of the base of each leaf.

### THE PROPAGATING BENCH.

The cutting bench should have been prepared in advance, with three or four inches of clean, sharp sand, free from loam, or any vegetable substance, and should be provided with some means of keeping up a gentle under heat. It is the practice of some of the best propagators, and a very good one, too, to renew the cutting bench with fresh sand after each lot of cuttings have been taken out, but it is a laborious operation, and is not absolutely necessary. If the sand is stirred and loosened and thoroughly soaked with boiling water, applied with a watering can having a spray hose on the spout, so as to destroy any fungoid growths it may be used for





BENCHES OF NEW CARNATION, BRIGHT SPOT, AT NIC. ZWEIFEL'S, NORTH MILWAUKEE, WIS.

A Fine Seedling of Lawson Habit But Brighter in Color and With Better Stem.

a number of times with safety, as has been proved by actual experiment.

#### INSERTING THE CUTTINGS.

In preparing the bench to receive the cuttings, the sand, which should have been thoroughly watered some time previously, should be firmed by using a clean brick, or something similar, and scored for each row of cuttings with a table knife. If the cuttings have been properly trimmed, the rows should be about two inches apart and the cuttings placed one-half or three-quarters of an inch apart in the rows. They should be inserted from one-half to one inch deep, depending somewhat on the condition of the sand and the character of the cuttings, and should be firmed by pressure of the finger and thumb on the sand during the operation of setting them, which may soon be learned.

As soon as a lot are set, they should be given a good watering, with a can as recommended for scalding the bench and should never be allowed to get so dry that the sand becomes light-colored and dry to the touch, or the cuttings show any signs of wilting. The watering should be done, if possible, during bright days and in the morning. While the bench should have all the light it will bear without injury to the cuttings by making them wilt, it will be necessary to shade it from bright sunlight, at least until the cuttings have become so thoroughly established that sunshine does not harm them.

#### POTTING.

As soon as the cuttings have formed roots half an inch in length, they should be potted in 2-inch pots, using a good quality of potting soil, with little or no fertilizer in it, and firming the plants well in the pots. This course is preferable to planting the cuttings in trays or boxes of soil, a plan followed by many growers. The plants should then be placed in a rather cool, well-lighted house, having about the same temperature as that in which the cuttings were rooted, and one in which top ventilation can be given when needed. For a short time at first they will require to be shaded from bright sunshine, but the shading should be dispensed with as soon as possible.

#### WATERING.

One of the most important things requiring attention at this stage of the growth of the plants is the watering. They should never be allowed to get quite dry, and, on the other hand, should never be watered while the soil is wet, as neglect or carelessness in this respect is likely to lay the foundation or sow the seeds of future stem rot. This operation should be in charge of the most experienced and careful person employed in the establishment, and if the watering is done with a hose, it should have a nozzle furnished with a spray rose, having a flat and not a convex surface, perforated with very small holes. To water plants as it should be done is one of the most difficult things to

teach a beginner, and should never be entrusted to any one who cannot do it properly. A careful and experienced man knows by looking at plants when they need water, and how much they need.

While probably a majority of plantmen use an open hose to water with, regulating the amount of the flow with the end of the finger, this is not nearly as good a plan as to use the spray nozzle, as recommended for the newly-potted carnation plants. The flat perforated surface of the rose concentrates the spray, while a convex surface would cause it to be too much scattered, so that it is difficult to apply the water just where it is needed, without wetting other plants standing near, that may not require irrigation at the time. For general greenhouse use, the perforations in the rose should not be very large.

#### WEEDING AND FUMIGATION.

Weeds should not be permitted to grow among the young carnation plants, and fumigation must be attended to regularly, to keep down aphids, while the under side of the foliage should be sprayed with a good force of water to keep the plants free from red spider. As soon as the stems attain the proper height, say five inches, they should be stopped, which will induce the formation of side shoots and when the pots are well filled with roots, the plants should be repotted into 3-inch pots and so on to 4-5 inch pots, for those that are to be benched from pots.



## THE ROSE.

### Cultural Notes.

The rose grower at this time should be very careful when taking cuttings not to strip the plants too closely, as they are likely to remain almost at a standstill if this occurs. If the plants are vigorous and making rapid growth, cuttings will be easy to take in some quantity, and very often to the advantage of the plants they are taken from, provided, some judgment is used when removing the wood, cutting off the growth at a joint that is likely to break into stronger growth through the pruning process.

It is too early to attempt anything in the way of a heavy mulch, although if the plants require a topdressing of some kind, a light dressing of fresh soil to which has been added some finely pulverized sheep or cow manure, about half and half, put on loosely, barely covering the soil. This will give the surface roots something to work on until later, when they will require a heavier mulch, and this will encourage new strong growth. Liquid manure should now be used at full strength on all vigorous plants. If there should be a house that has slowed down, or in a semi-dormant condition, showing a tendency to go to sleep—try running it a little drier and cooler for several weeks until they begin to break again. A house in this condition, often the result of cutting a heavy crop, will require frequent syringing. One cannot overdo the syringing on bright days at this season, using all the pressure obtainable and care in spraying up through the foliage to loosen up the red spider.

During a long spell of cloudy weather raise the ventilators daily as far as possible to prevent chilling the plants. The plants require as much fresh air or more on cloudy days to prevent them growing soft. In order to keep the plants free of spider and to get the full benefit of spraying, they must be kept tied back. Frequently, where a plant now and then hangs over the walks, or where they are overhanging a coil of hot steam pipes for the want of tying, red spider gets a strong foothold, and then it becomes almost an impossibility to dislodge it.

While we are waiting for the cuttings to root, it would be a good idea to have a bench prepared to receive them; remember, the best location in a bright, airy house is none too good for the young stock, for this will require full sunshine after the first week when potted. About an inch of screened coal ashes should be placed on the bench that is to receive them, and they should be given a good soaking and then packed firmly before placing the plants on them. Never plunge pot roses in the ashes, as they will dry out slowly enough without doing this. Then, as the plants will require shading for several days, or until they begin to make roots, a few shades (or as many as may be required) should be got in readiness. Button cloth (the cheapest grade) can be tacked to light frames and placed about a foot above the plants. A few laths tacked to the sides of table will make a handy support for the shades. And shading of this kind can be removed quickly at any time and they

will answer for shading for many other things that require it throughout the season.

The soil for potting the cuttings can be prepared now. It should be a good compost, fresh, good, heavy sod soil containing considerable fiber, to which has been added some good well-rotted cow manure. One part manure to three parts soil is about right, screened through half-inch mesh, rubbing the sod through the sieve carefully to get the fiber; 2½-inch pots will answer for most of the cuttings unless there may be some exceptionally strong stock in the sand of American Beauty. For these a 2½-inch pot is preferable. Do not let the cuttings stay too long in the sand, pot them off when the roots are about half an inch in length, and when potting them take plenty of time, keep the roots well up towards the top of the pot, and pot firmly. Water them in small lots to prevent them from becoming wilted before watering; also shade as soon as they are watered, downspraying them overhead on bright days until they are able to take another thorough watering. E.

### Rose Foliage Falling.

ED. AMERICAN FLORIST:—

I am sending you some leaves of Bride rose to determine the cause of their dropping heavily for the last four weeks. About a month ago we had a night fireman who was caught asleep three times during his two weeks' employ. Of course the houses went down to 48°. Would that sudden change cause the leaves to drop even one month after he left? The house is so situated that it does not get the sun until 10:30 a. m., and is shaded again about 3:30 p. m. I keep the beds rather on the dry side, syringe only on very bright days, on account of its early shadows, and the roses, as far as I know, are doing well. They had given me good crops ever since fall and have been budding and blooming pretty heavily before Christmas. Every plant is throwing up shoots from 2 to 2½ feet, sturdy, healthy looking canes, with good, dark green foliage on them, and fair sized blooms. Some are bull headed. Why? Is it the fault of the past treatment, the conditions of the house, or my ignorance? Either way I will try to improve it, if you will tell me what to do and determine the disease, if any. H. J. P.

We are inclined to blame the drop in the temperature for some of your trouble, for the leaves, with the exception of a little red spider on some of them, appear perfectly healthy and, considering the limited amount of sun the house receives, fairly well consolidated. Beyond spraying with a fine nozzle for the red spider, taking especial care of any dry corner near the heating pipes, we would advise very little overhead watering and certainly would never spray at all unless the leaves become quite dry by nightfall. To counteract the loss of sunshine at this time of year keep the glass perfectly clear and turn on sufficient heat to allow of some ventilation at least early in the morning without lowering the temperature below 58°-60° rising gradually until the sun reaches the house. Use considerable judgment in watering at the roots for with the

loss of foliage these are apt to be less active for a time until nature has restored the balance between root and branch. It is probably this lack of root action that is causing the bull-headed roses. If a house is at command that obtains a better share of sunlight we would advise its use for the roses at future plantings, growing ferns, asparagus, smilax or some other green crop in the one now devoted to Bride. But we think that with due care along the lines indicated the roses will grow out of their trouble and it will probably not occur again if a regular temperature and proper atmospheric conditions are maintained. G.

### New York and N. J. Plant Growers' Ass'n.

#### SECOND ANNUAL BANQUET.

On the night of February 2 a "merrie companie," members of the above association, with their wives, daughters and other friends, gathered in one of the fine banquet halls of the Hotel Astor. This hotel is noted for its good cheer and good living and the menu for this event was all that could be desired. There was excellent music and fine floral decorations. Julius Roehrs, Jr., president of the association, made a brief speech welcoming the guests and introducing Fred L. Atkins, of Bobbink & Atkins, as toastmaster. Mr. Atkins is a clever speaker and always talks interestingly. In opening he referred in a feeling manner to the deaths during the past year of John Scott, E. V. Hallock and Herman Dreyer, all members of that association.

Anton Schultheis, F. R. Pierson, president of the S. A. F. A. L. Miller, president of the New York Florists' Club, and President Roehrs of the association all talked interestingly on the advantages of organization and co-operation. Other interesting speakers were: Herman C. Steinhoff, treasurer of the association, John G. Esler, A. J. Guttman, W. J. Elliott, Louis Dupuy, Wm. H. Siebrecht, Sr., Wm. H. Siebrecht, Jr., secretary of the association, Louis Schmutz and Wm. J. Stewart of Boston. Mr. Stewart made an earnest appeal on behalf of the National Flower Show to be held next year. He mentioned some of the delights of Boston, but said nothing about the sacred codfish, which is their mascot over there. Briefly stated, the gathering was very enjoyable and very creditable to officers and members of the association. Plant growing has come to be recognized as a separate and distinct branch of horticulture and the fraternal spirit shown by the members of this association was good to see.

BRIDGEPORT, CONN.—Wm. Pinchbeck is building a store in connection with his greenhouses.

WHEELING, W. VA.—John Dieckmann intends building two large, modern greenhouses at his establishment at Park View.

SANTA ROSA, CALIF.—An explosion of the boiler at Rudolph Spreckel's greenhouses caused a fire which resulted in \$5,000 damage, January 29. Fred Renzone, the gardener, had only just left. Distillate was used for fuel and it is thought there was a leakage in the supply pipes.





BANQUET OF THE NEW YORK AND NEW JERSEY PLANT GROWERS' ASSOCIATION AT THE HOTEL ASTOR, NEW YORK, FEBRUARY 2.

BANQUET  
NEW YORK & NEW JERSEY PLANT GROWERS'  
ASSOCIATION

FEB. 2, 1910.

THE  
HOTEL  
ASTOR  
NEW YORK



**Illinois State Florists' Association.****THE CONVENTION PROGRAMME.**

Arrangements for the meeting of the Illinois Florists' Association at the University of Illinois, Champaign and Urbana, February 15 and 16, are practically completed and, according to C. E. Gullett, of Lincoln, president of the society, the convention this year is to be the best of the association. The sessions will be of unusual interest to local people, for the question of selecting the University of Illinois as the permanent meeting place will be vigorously contested. Then, too, the officers are making great arrange-

of the first day's session will be one by Prof. J. C. Blair, on 'The Value of the Experiment Station to the Florists, and the Duty of the Florists to the Station.' The banquet will follow at the Beardsley, with a programme of after dinner speeches to be arranged by the local committees of the twin cities.

"On Wednesday morning, the first address will be held in the interests of the newly organized Illinois Outdoor Improvement Association, and will be delivered by Prof. J. W. Garner of the department of political science of the university, and member of the board of directors of the Illi-

**OBJECTS OF THE ASSOCIATION.**

"The objects of this association are to promote in all possible ways the art of floriculture, ornamental horticulture, and gardening under glass, including educational and civic improvement benefits arising therefrom; and for making researches into diseases of ornamental plants and greenhouse vegetables, suggesting remedies, etc. The officers of the Illinois Florists' Association are: G. E. Gullett, Lincoln, president; George B. Franks, Champaign, vice-president; J. F. Ammann, Edwardsville, secretary; Frank L. Washburn, Bloomington, treasurer.

"The society was organized at Peoria in March, 1906, held its first convention at Bloomington, in February, 1907; its second and third conventions in Springfield, in February, 1908 and 1909, and will at the next session consider an amendment to the constitution to locate the convention permanently at the seat of the University of Illinois, on account of the value to the florists of an annual visit to the experiment station. It is known, however, that this resolution will be actively opposed."

**National Council of Horticulture.**

The National Council of Horticulture held a meeting at the Auditorium Annex, Chicago, January 17. There were present C. E. Kendel and C. Cropp from the American Seed Trade Association; E. D. Smith and W. N. Rudd from the Society of American Florists; J. H. Burdett of the Press Bureau service; J. C. Vaughan, chairman, and H. C. Irish, secretary. Letters or telegrams were read from J. Horace McFarland, J. Otto Thilow, F. R. Pierson and C. L. Watrous.

The term as delegates at large of Professors W. B. Alwood, S. A. Beach and S. B. Green having expired, Professors Alwood and Beach were elected to succeed themselves and Professor J. C. Blair of Urbana, Ill., was elected to succeed Professor Green. It was announced that C. Cropp and C. E. Kendel were the authorized representatives in the council from the American Seed Trade Association, J. Otto Thilow, E. D. Smith and W. N. Rudd from the Society of American Flor-



EXPERIMENT STATION GREENHOUSES, URBANA, ILL.

ments for a floral display such as has never been witnessed in this part of the state. President Gullett says:

"In common with the other officers I am putting forth exceptional efforts to make this the greatest convention in point of attendance and excellence of programme which our association has ever held. I think there are reasons why the florists of the state will back up our efforts and make it such. In the large and representative attendance of young men and women from all parts of Illinois and surrounding states, we recognize an opportunity of immense educational value to our business. For that reason we are urging the florists to send larger and better displays of cut flower stock than we have been able to stage in other years, and we feel very hopeful that they will respond. The exhibition will be held in the foyer of the beautiful auditorium on the campus. The sessions of the convention will be held in Morrow hall in the Agricultural building. Convention headquarters will be at the Beardsley hotel, where all florists will be asked to register during their stay in the twin cities, and where the banquet will be served on the evening of February 15.

**ADDRESS BY PRESIDENT JAMES.**

"The first day's session will be opened with an address by President Edmund J. James, of the University of Illinois, to which a response will be made on behalf of the florists by Phil. J. Foley of the Foley Manufacturing Co., Chicago. Mr. Foley designed the model greenhouses of the State Experiment Station, in the grounds of the horticultural department of the university. Reports of the various state officers will follow, supplemented by a report of the secretary of the advisory committee of the experiment station, Willis N. Rudd of Chicago. The last of the addresses

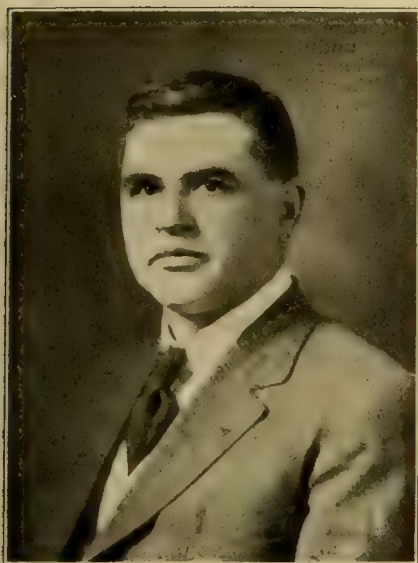
nois Outdoor Improvement Association. Following this an address on 'The Cut Flower Industry' will be delivered by C. L. Washburn of Chicago. It is expected that a fraternal address will be given by E. G. Hill of Richmond, Ind., but he has not been definitely heard from as yet. The closing formal address will be given by Prof. H. B. Dorner of the experiment station, who always has a helpful message on the practical side of the work to present to the florists. Routine work, including the report of the auditing committee, unfinished and new business, question box, election of officers, locating of next annual convention, etc., will complete the session. The exhibition will be open to the public and everybody will be welcome to attend from 7:00 p. m. to 10:00 p. m., Tuesday, February 15, and from 9:00 a. m. to 12:00 noon, Wednesday, February 16.



EXPERIMENT STATION GREENHOUSES, URBANA, ILL.

Interior of House No. 2 at the Floricultural Range.





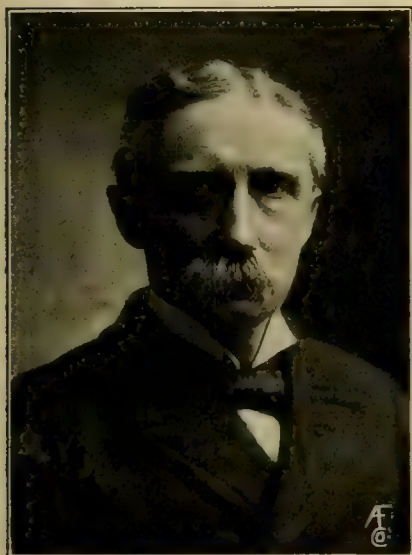
C. E. Gullett, President.



Geo. B. Franks, First Vice-President.



F. L. Washburn, Treasurer.



Dr. S. A. Forbes.



J. F. Ammann, Secretary.



A. C. Brown, Second Vice-President.



Prof. J. C. Blair.



Dean Davenport.



Prof. H. B. Dörner.

OFFICERS ILLINOIS STATE FLORISTS' ASSOCIATION AND EXPERIMENT STATION OFFICERS.



ists; C. L. Watrous and Guy A. Bryant from the American Association of Nurserymen; H. S. Watson and J. F. Wilson from the National Nut Growers' Association. The secretary reported \$183.22 on hand and \$200 available from the American Seed Trade Association or a total of \$383.22 for the current year's work.

J. H. Burdett made a report of the press bureau work in which he says: "By keeping faith with the newspapers of the country for several years, distributing articles which are interesting to the general reader, and at the same time free from suspicion of being advertising matter for any particular article, or firm, the Council of Horticulture has won a most valuable good will. The greatest newspapers in the country accept the articles with confidence in their freedom from that free advertising taint for which newspapers are always on the lookout. All the matter sent out by the council is printed in a great number of papers. The Chicago Daily News has printed every article sent out by the council in the last three years, and given each article a characteristic heading; crediting it to the council. The same method is followed by many other dailies. The service last spring was sent to 500 newspapers and news bureaus, and by the latter it was sent in the form of 'boiler plate' to several thousand country weeklies and small dailies. The position of authority which the council has obtained with these newspapers and bureaus should maintained by keeping up the press service. There is no room for doubt that the publicity given to horticulture by the bureau is worth many times its cost."

The possibility of instituting a paid service was suggested but after a further discussion it was thought inadvisable to do so at this time. After further discussion the secretary was instructed to ask the assistance of experts in the preparation of articles and to arrange a schedule for their distribution as soon as practicable. Some 60 subjects were suggested, one-half of which the members present pledged to prepare. It was arranged to send out at least 10 installments this spring beginning the latter part of February.

H. C. IRISH, Sec'y.

MARTINSVILLE, IND.—Chas. Trowbridge, an employee of the Martinsville Floral Co., and Miss Edna Opal Baker, were married January 28.

To Be Done Now.

IN THE GREENHOUSES.

Cover all seeds, directly they are sown, with paper or some other material. In nearly all cases they germinate more freely in total darkness than in light.

Soot water, clarified and used regularly in a dilute state, is about the best stimulant for foliage plants, improving the color of the leaves very rapidly.

Every bright day spray forcibly any plants that may be ever so slightly attacked by red spider and any doubtful places near the heating pipes in the rose house.

"Make haste slowly" is good advice for growers of tuberous rooted bego-



The Late Eugene Diemer.

nias at the beginning of the season.

Never pinch geraniums at the flowering joint—always one above or one below.

Spirea Japonica can be hastened at this time by the application of heat. See that the roots are kept always moist.

The spikes of Odontoglossum citrosmum will soon be showing in the tips of the new growth. When this occurs give the plants a through soaking of water but not before.

Geraniums are often injured at this time by being left in the small pots too long. Keep them in cultivation.

Pot the leaf cuttings of Begonia Gloire de Lorraine as soon as they begin to grow and insert a later batch.

OUTDOORS.

Look over the shrubs and trees in storage and see that they are not drying unduly.

Where rhubarb is wanted early without lifting or forcing a good thickness of strawy manure laid over the crowns will forward it some.

Burning is a good way of disposing of any weed infested soil and rubbish of a like nature. The resulting ashes form a most useful fertilizer.

Screening ashes and clinkers to various sizes for different use and throwing out any coal or half burned cinders makes good cold weather work for the help.

Where there are herbaceous plants in protectors look over them on mild days and remove anything of a decaying nature. From now on they must have air except during the very coldest weather.

Frequent turning for at least two weeks is necessary in the preparation of manure for hotbeds or mushroom growing. Manure hastily prepared soon loses its heat.

Concrete has so many uses now that all spare time in winter might well be spent in preparing it in its various forms. There seems to be no end to the various uses this material can be put to when properly reinforced.

Do not allow bulb flats to lay around after being emptied. Keep them piled up neatly where they can be got at easily and repair any that need it. Many of them will be wanted for seed before long.

OBITUARY.

Eugene Diemer.

We regret to announce the death of Eugene Diemer, of the Diemer Floral Co., St. Louis, Mo., after a lingering illness. He was in the prime of life—aged 39 years. Many floral offerings were sent to his funeral, including designs from the wholesale houses. The widow will carry on the business, as the trade is well established.

W. F.

Henry A. Stone.

Henry A. Stone, Kingston, N. Y., died January 29 at his home, he having suffered for the last five years with rheumatism and heart weakness. Mr. Stone was born in New York in 1837 and early became interested in gardening and kindred work. He started to build greenhouses in Kingston in 1867 and was the pioneer violet grower of the state. For some time he disposed of his own cut in the New York market as a wholesaler and was known as the "violet king." He is survived by his wife and four children.

NATIONAL FLOWER SHOW

To Be Held in Boston, Mass., March, 1911. Preliminary Premium List.

| Miscellaneous Flowering Plants.                    |         |         |      |                                                                |       |               |
|----------------------------------------------------|---------|---------|------|----------------------------------------------------------------|-------|---------------|
|                                                    | 1st     | 2nd     | 3rd  | 1st                                                            | 2nd   | 3rd           |
| Acacias—18 plants, not less than 4 varieties       | \$60.00 | \$40.00 | .... | Azalea Indica—6 plants, not less than 3 varieties              | 25.00 | 15.00 \$10.00 |
| 6 plants, not less than 3 varieties                | 30.00   | 20.00   | .... | Azalea Indica—3 plants, not less than 3 varieties              | 15.00 | 10.00 5.00    |
| 3 plants, one or more varieties                    | 20.00   | 15.00   | .... | Azalea Indica—Specimen plant, pink or rose                     | 15.00 | 10.00 5.00    |
| Acacia pubescens—Specimen plant                    | 25.00   | 15.00   | .... | Azalea Indica—Specimen plant, white                            | 15.00 | 10.00 5.00    |
| Acacia paradoxa—Specimen plant                     | 15.00   | 10.00   | .... | Azalea Indica—Specimen plant, any other color                  | 15.00 | 10.00 5.00    |
| Acacia—Any other species or variety, specimen      | 15.00   | 10.00   | .... | Azalea Mollis—12 plants, not less than 4 colors                | 25.00 | 15.00 ....    |
| Allamanda—Specimen plant, any variety              | 15.00   | 10.00   | .... | Azalea pontica or rustica—12 plants, not less than 4 varieties | 25.00 | 15.00 ....    |
| Amaryllis—36 plants, not less than 18 varieties    | 35.00   | 25.00   | .... | Begonia Gloire de Lorraine—6 plants                            | 15.00 | 10.00 ....    |
| Amaryllis—12 plants, not less than 9 varieties     | 15.00   | 10.00   | .... | Begonias, Flowering—6 plants, 6 varieties                      | 15.00 | 10.00 ....    |
| Anthurium—6 plants, not less than 3 varieties      | 25.00   | 15.00   | .... | Begonia—6 plants, not less than 2 varieties                    | 15.00 | 10.00 ....    |
| Anthurium—Specimen plant                           | 10.00   | 5.00    | .... | Bougainvillea—6 plants                                         | 25.00 | 15.00 ....    |
| Antirrhinum—12 plants in variety                   | 10.00   | 5.00    | .... | Specimen plant                                                 | 15.00 | 10.00 5.00    |
| Azalea Indica—24 plants, not less than 6 varieties | 75.00   | 50.00   | .... | Calceolaria, shrubby—6 plants                                  | 15.00 | 10.00 ....    |
| Azalea Indica—12 plants, not less than 6 varieties | 50.00   | 30.00   | .... | Calceolaria, hybrida—6 plants                                  | 15.00 | 10.00 ....    |



|                                                | 1st      | 2nd     | 3rd     |                                                                      | 1st      | 2nd      | 3rd     |
|------------------------------------------------|----------|---------|---------|----------------------------------------------------------------------|----------|----------|---------|
| Camellia—12 plants, not less than 6 var....    | 35.00    | 25.00   |         | Dendrobium nobile—Specimen plant.....                                | 10.00    | 5.00     |         |
| 6 plants, not less than 3 var....              | 25.00    | 15.00   | 10.00   | Dendrobium Wardianum—Specimen plant....                              | 10.00    | 5.00     |         |
| Specimen plant.....                            | 25.00    | 15.00   | 10.00   | Dendrobium—Specimen plant, any other                                 | 10.00    | 5.00     |         |
| Carnations—12 plants in pots.....              | 15.00    | 10.00   |         | variety.....                                                         | 10.00    | 5.00     |         |
| Cineraria hybrida—6 plants.....                | 15.00    | 10.00   | 5.00    | Hybrid Orchid—Specimen plant raised in                               | 15.00    | 10.00    |         |
| Cineraria stellata—6 plants.....               | 15.00    | 10.00   | 5.00    | this country.....                                                    | 15.00    | 10.00    |         |
| Clerodendron—Specimen plant.....               | 15.00    | 10.00   | 5.00    | Laelia anceps—Specimen plant.....                                    | 10.00    | 5.00     |         |
| Crassula Coccinea—3 plants.....                | 15.00    | 10.00   |         | Laelia anceps alba—Specimen plant.....                               | 10.00    | 5.00     |         |
| Cyclamen—6 plants.....                         | 50.00    | 30.00   |         | Laelia—Specimen plant, any other variety..                           | 10.00    | 5.00     |         |
| 12 plants.....                                 | 20.00    | 15.00   | 10.00   | Odontoglossum—Specimen plant, any variety                            | 10.00    | 5.00     |         |
| Chorozema—4 plants.....                        | 25.00    | 15.00   |         | Oncidium—Specimen plant, any variety....                             | 10.00    | 5.00     |         |
| Specimen plant.....                            | 15.00    | 10.00   |         | Phalaenopsis—Specimen plant, any variety..                           | 10.00    | 5.00     |         |
| Erica—24 plants, not less than 6 var....       | 50.00    | 30.00   |         | Vanda—Specimen plant, any variety.....                               | 10.00    | 5.00     |         |
| 6 plants, not less than 3 var....              | 20.00    | 15.00   |         |                                                                      |          |          |         |
| Erica melathra—6 plants.....                   | 20.00    | 15.00   |         | <b>Roses.</b>                                                        |          |          |         |
| Erica, any species—Specimen plant.....         | 15.00    | 10.00   |         |                                                                      | 1st      | 2nd      | 3rd     |
| Flowering Shrubs—12 plants, standard, or       |          |         |         | Roses—Display in pots or tubs, any or all                            |          |          |         |
| tree form, in not less than 6 varieties....    | 30.00    | 20.00   |         | classes to occupy not less than 300                                  |          |          |         |
| Fuchsia—6 plants, not less than 6 var....      | 15.00    | 10.00   |         | square feet, arranged for effect.....                                | \$200.00 | \$150.00 |         |
| Specimen plant.....                            | 10.00    | 5.00    |         | Roses—12 Climbing or Rambling, 6 or more                             |          |          |         |
| Gardenia—6 plants.....                         | 15.00    | 10.00   |         | varieties.....                                                       | 60.00    | 40.00    |         |
| Specimen plant.....                            | 10.00    | 5.00    |         | Roses—6 Climbing or Rambling, 3 or more                              |          |          |         |
| Genista—12 plants.....                         | 35.00    | 25.00   |         | varieties.....                                                       | 30.00    | 20.00    |         |
| 6 plants.....                                  | 20.00    | 15.00   | 10.00   |                                                                      | 1st      | 2nd      | 3rd     |
| Specimen plant.....                            | 15.00    | 10.00   | 5.00    | Roses—Crimson Rambler, Specimen plant..                              | \$10.00  | \$ 5.00  |         |
| Flowering Plants—Group arranged for ef-        |          |         |         | Lady Gay, specimen plant.....                                        | 10.00    | 5.00     |         |
| fect, with palms and other foliage             |          |         |         | Dorothy Perkins, specimen plant....                                  | 10.00    | 5.00     |         |
| plants, to cover not less than 200             |          |         |         | Tausendschon specimen plant.....                                     | 10.00    | 5.00     |         |
| square feet.....                               | 100.00   | 75.00   |         | Debutante, specimen plant.....                                       | 10.00    | 5.00     |         |
| Forced Shrubs—Group forced shrubs and          |          |         |         | Hiawatha, specimen plant.....                                        | 10.00    | 5.00     |         |
| herbaceous plants (hardy trees and             |          |         |         | Roses—Climbing, any other variety, speci-                            | 10.00    | 5.00     |         |
| vines admissible) arranged for effect, to      |          |         |         | men.....                                                             | 10.00    | 5.00     |         |
| cover not less than 300 square feet....        | 100.00   | 75.00   |         | Roses—Baby Rambler, Crimson, 6 plants..                              | 10.00    | 5.00     |         |
| Hydrangea—12 plants, not less than 3 var..     | 35.00    | 25.00   |         | Baby Rambler, Pink, 6 plants....                                     | 10.00    | 5.00     |         |
| 6 plants, not less than 2 var....              | 25.00    | 15.00   |         | Baby Rambler, White, 6 plants.....                                   | 10.00    | 5.00     |         |
| Specimen plant.....                            | 25.00    | 15.00   | 5.00    | Roses—Collection of Hybrid Perpetuals, not                           |          |          |         |
| Lilac—12 plants, not less than 3 var....       | 25.00    | 15.00   |         | less than 15 plants, not less than 6 va-                             | 25.00    | 15.00    |         |
| 3 plants, one or more vars.....                | 10.00    | 5.00    |         | rieties.....                                                         |          |          |         |
| Marguerite—6 plants, not less than 2 vars..    | 15.00    | 10.00   |         | Roses—Collection of Standard or Tree                                 |          |          |         |
| 3 plants.....                                  | 10.00    | 5.00    |         | Roses, 12 or more plants, 6 or more                                  | 25.00    | 15.00    |         |
| Specimen plant.....                            | 5.00     | 3.00    | 2.00    | varieties.....                                                       |          |          |         |
| Rhododendron—24 plants, not less than 6        | 60.00    | 40.00   |         | <b>Ferns.</b>                                                        |          |          |         |
| varieties.....                                 |          |         |         |                                                                      | 1st      | 2nd      | 3rd     |
| Rhododendron—12 plants, not less than 3        | 30.00    | 20.00   |         | Adiantum Farleyense—Specimen.....                                    | \$ 5.00  | \$ 3.00  | \$ 2.00 |
| varieties.....                                 |          |         |         | Adiantum cuneatum or its variety—Specimen                            | 5.00     | 3.00     | 2.00    |
| Rhododendron—Specimen plant, red or            | 25.00    | 15.00   | 10.00   | Adiantum—Specimen, any other variety....                             | 5.00     | 3.00     | 2.00    |
| crimson.....                                   |          |         |         | Aspidium—Specimen.....                                               | 10.00    | 6.00     | 4.00    |
| Rhododendron—Specimen plant, pink or           | 25.00    | 15.00   | 10.00   | Cibotium Schiedei—Specimen.....                                      | 20.00    | 15.00    | 10.00   |
| lavender.....                                  |          |         |         | Davallia—Specimen, any variety.....                                  | 15.00    | 10.00    | 5.00    |
| Rhododendron—Specimen plant, white or          | 25.00    | 15.00   | 10.00   | Gleichenia—Specimen.....                                             | 10.00    | 6.00     | 4.00    |
| nearly white.....                              |          |         |         | Nephrolepis exaltata and its varieties—Dis-                          |          |          |         |
| Rhynchospermum—Specimen plant.....             | 15.00    | 10.00   | 5.00    | play one of each, pots or pans not to                                | 25.00    | 15.00    | 10.00   |
| Spiraea (Astilbe)—12 plants, not less than 3   | 15.00    | 10.00   |         | exceed 8 inches in diameter.....                                     |          |          |         |
| varieties.....                                 |          |         |         | Nephrolepis Bostoniensis—Specimen.....                               | 10.00    | 6.00     | 4.00    |
| Wistaria—Specimen plant.....                   | 10.00    | 5.00    |         | Nephrolepis Scottii—Specimen.....                                    | 5.00     | 3.00     | 2.00    |
| Geranium (Zonal Pelargonium)—12 plants,        | 15.00    | 10.00   |         | Nephrolepis Piersoni—Specimen.....                                   | 10.00    | 6.00     | 4.00    |
| not less than 12 varieties.....                |          |         |         | Nephrolepis Piersoni elegantissima—Spec-                             |          |          |         |
|                                                | 1st      | 2nd     | 3rd     | men.....                                                             | 5.00     | 3.00     | 2.00    |
| Primula Kewensis—12 plants.....                | 10.00    | 6.00    | 4.00    | Nephrolepis Whitmani—Specimen.....                                   | 5.00     | 3.00     | 2.00    |
| Primula obconica—12 plants.....                | 10.00    | 6.00    | 4.00    | Nephrolepis—Specimen any other variety..                             | 5.00     | 3.00     | 2.00    |
| Primula—Collection of 24 plants, not less      | 15.00    | 10.00   |         | Polypodium, or Goniophlebium—Specimen..                              | 15.00    | 10.00    |         |
| than 6 species.....                            |          |         |         | Stag Horn Fern—6 plants, in variety.....                             | 15.00    | 10.00    | 5.00    |
| Schizanthus—6 plants.....                      | 10.00    | 5.00    |         | Specimen, any variety.....                                           | 5.00     | 3.00     | 2.00    |
|                                                |          |         |         | Tree Fern—Specimen.....                                              | 25.00    | 15.00    |         |
| <b>Bulbs.</b>                                  |          |         |         | Fern—Specimen, any other variety.....                                | 10.00    | 6.00     | 4.00    |
| Hyacinths—8 10-in. pans, distinct varieties..  | \$25.00  | \$15.00 | \$10.00 | Fern—Specimen, new variety, not yet in                               |          |          |         |
| 3 10-in. pans, white.....                      | 10.00    | 6.00    | 4.00    | commerce.....                                                        | Silver   | Bronze   |         |
| 3 10-in. pans, pink and red....                | 10.00    | 6.00    | 4.00    |                                                                      | Medal    | Medal    |         |
| 3 10-in. pans, light blue.....                 | 10.00    | 6.00    | 4.00    | <b>Palms and Foliage Plants.</b>                                     |          |          |         |
| 3 10-in. pans, dark blue.....                  | 10.00    | 6.00    | 4.00    |                                                                      |          |          |         |
| Hyacinths—50 single pots, not less than 12     | 25.00    | 15.00   | 10.00   | Areca—Pair.....                                                      | \$25.00  | \$15.00  |         |
| varieties.....                                 |          |         |         | Specimen.....                                                        | 15.00    | 10.00    |         |
| Lilies—Display, to cover not less than 100     |          |         |         | Cocos Australis or its varieties—Specimen..                          | 15.00    | 10.00    | \$5.00  |
| square feet. Foliage plants may be used        |          |         |         | Cocos plumosus—Specimen.....                                         | 15.00    | 10.00    | 5.00    |
| for effective arrangement.....                 | 50.00    | 30.00   |         | Kentia Belmoreana—Pair.....                                          | 25.00    | 15.00    | 10.00   |
| Narcissus, Large Trumpet—12 10-in. pans,       | 20.00    | 15.00   |         | Specimen.....                                                        | 15.00    | 10.00    | 5.00    |
| 12 varieties.....                              |          |         |         | Kentia Forsteriana—Pair.....                                         | 25.00    | 15.00    | 10.00   |
| Narcissus, Short or Medium Trumpet—12          | 15.00    | 10.00   | 5.00    | Specimen.....                                                        | 15.00    | 10.00    | 5.00    |
| 10-in. pans, 12 varieties.....                 |          |         |         | Phoenix Roebeleni—Pair.....                                          | 15.00    | 10.00    | 5.00    |
| Narcissus—3 10-in. pans, Glory of Leiden..     | 5.00     | 3.00    | 2.00    | Phoenix rupicola—Specimen.....                                       | 15.00    | 10.00    | 5.00    |
| 3 10-in. pans, Bicolor or Victoria.....        | 5.00     | 3.00    | 2.00    | Phoenix Canariensis—Pair.....                                        | 15.00    | 10.00    | 5.00    |
| 3 10-in. pans, Empress.....                    | 5.00     | 3.00    | 2.00    | Phoenix reclinata—Pair.....                                          | 15.00    | 10.00    | 5.00    |
| 3 10-in. pans, Emperor.....                    | 5.00     | 3.00    | 2.00    | Palms—Collection, other than above, 12                               |          |          |         |
| 3 10-in. pans, Golden Spur.....                | 5.00     | 3.00    | 2.00    | plants, 12 varieties.....                                            | 35.00    | 20.00    |         |
| 3 10-in. pans, Double Von Sion.....            | 5.00     | 3.00    | 2.00    | Bay Trees—Display.....                                               | 100.00   | 75.00    |         |
| 3 10-in. pans, Any other double.....           | 5.00     | 3.00    | 2.00    | Pair, pyramidal.....                                                 | 15.00    | 10.00    | 5.00    |
| Tulips, Early Single—15 10-in. pans, dis-      | 20.00    | 15.00   | 10.00   | Pair, standard.....                                                  | 15.00    | 10.00    | 5.00    |
| tinct varieties.....                           |          |         |         | Pair, columnar.....                                                  | 15.00    | 10.00    | 5.00    |
| Tulips, Early Single—8 10-in. pans, distinct   | 15.00    | 10.00   | 5.00    | Box Trees—Display.....                                               | 75.00    | 50.00    |         |
| varieties.....                                 |          |         |         | Pair, pyramidal.....                                                 | 15.00    | 10.00    |         |
| Tulips, Early Single—3 10-in. pans, white..    | 5.00     | 3.00    | 2.00    | Pair, standard.....                                                  | 10.00    | 5.00     |         |
| Tulips, Early Single—3 10-in. pans, pink..     | 5.00     | 3.00    | 2.00    | Pair, bush.....                                                      | 10.00    | 5.00     |         |
| Tulips, Early Single—3 10-in. pans, scarlet    | 5.00     | 3.00    | 2.00    | Araucaria—6 plants, 3 or more varieties....                          | 15.00    | 10.00    | 5.00    |
| or crimson.....                                |          |         |         | Croton—Display.....                                                  | 50.00    | 35.00    |         |
| Tulips, Early Single—3 10-in. pans, yellow..   | 5.00     | 3.00    | 2.00    | Croton—25 plants, 25 varieties, in not over                          |          |          |         |
| Tulips, Early Single—3 10-in. pans, any oth-   | 5.00     | 3.00    | 2.00    | 6-inch pots.....                                                     | 25.00    | 15.00    |         |
| er color or colors.....                        |          |         |         | Croton—6 plants, 6 varieties.....                                    | 15.00    | 10.00    |         |
| Tulips, Early Double—6 10-in. pans, not less   | 15.00    | 10.00   | 5.00    | Cycad—Specimen, any variety.....                                     | 20.00    | 15.00    |         |
| than 3 varieties.....                          |          |         |         | Dracaena—12 plants, 6 or more varieties....                          | 25.00    | 15.00    | 10.00   |
| Tulips, Darwin—12 10-in. pans, 12 varieties    | 20.00    | 15.00   | 10.00   | Specimen, green.....                                                 | 5.00     | 3.00     | 2.00    |
| Tulips, Cottage or Late, other than Dar-       |          |         |         | Specimen, red.....                                                   | 5.00     | 3.00     | 2.00    |
| win—12 10-in. pans, 12 varieties.....          | 15.00    | 10.00   | 5.00    | Specimen, any other color.....                                       | 5.00     | 3.00     | 2.00    |
| Miscellaneous collection, arranged for effect, | 50.00    | 30.00   |         | Ficus elastica or elastica variegata—Specmn                          | 10.00    | 6.00     | 4.00    |
| other foliage plants admissible, to cover      |          |         |         | Ficus pandurata—Specimen.....                                        | 10.00    | 6.00     | 4.00    |
| not less than 150 square feet.....             |          |         |         | Heliconia—4 plants in variety.....                                   | 25.00    | 15.00    |         |
| <b>Orchids.</b>                                |          |         |         | Nepenthes—3 plants, 3 varieties.....                                 | 15.00    | 10.00    |         |
|                                                | 1st      | 2nd     | 3rd     | Specimen.....                                                        | 10.00    | 5.00     |         |
| Orchids—Collection, to cover not less than     |          |         |         | Pandanus Veitchii—Specimen.....                                      | 5.00     | 3.00     | 2.00    |
| 100 square feet, arranged with foliage         |          |         |         | Pandanus—Specimen, any other variety....                             | 5.00     | 3.00     | 2.00    |
| plants for effect. For commercial grow-        | \$100.00 | \$75.00 | \$50.00 | Greenhouse or Stove Foliage Plants—6                                 |          |          |         |
| ers only.....                                  |          |         |         | plants, 6 varieties.....                                             | 25.00    | 15.00    |         |
| Orchids—Collection, to cover not less than     |          |         |         | Cacti and Other Succulent Plants—Collection,                         | 30.00    | 20.00    |         |
| 100 square feet, arranged with foliage         |          |         |         | not less than 50 varieties.....                                      |          |          |         |
| plants for effect. For non-commercial          |          |         |         | Economic Plants—Collection, not less than                            | 50.00    | 35.00    |         |
| growers only.....                              | 100.00   | 75.00   | 50.00   | 30 varieties.....                                                    |          |          |         |
| Orchids—Collection, 12 plants, 12 distinct     | 50.00    | 30.00   |         | Banana Tree—Specimen in fruit.....                                   | 10.00    | 5.00     |         |
| varieties.....                                 |          |         |         | Lemon Tree—Specimen in fruit.....                                    | 10.00    | 5.00     |         |
| Cattleya Trianae—Specimen plant.....           | 25.00    | 15.00   | 10.00   | Orange Tree—Specimen in fruit.....                                   | 10.00    | 5.00     |         |
| Cattleya Schroederiae—Specimen plant.....      | 25.00    | 15.00   | 10.00   | Conifers—Collection in pots or tubs, not                             |          |          |         |
| Cattleya, any other variety—Specimen plant     | 25.00    | 15.00   | 10.00   | less than 25 varieties.....                                          | 75.00    | 50.00    | 25.00   |
| Cypripedium—Collection, not less than 25       |          |         |         | Conifers—6 specimens.....                                            | 30.00    | 20.00    |         |
| varieties.....                                 | 50.00    | 30.00   |         | 3 specimens.....                                                     | 20.00    | 15.00    |         |
| Cypripedium—6 plants, 6 varieties.....         | 25.00    | 15.00   |         | 2 specimens.....                                                     | 15.00    | 10.00    |         |
| Cypripedium—Specimen, any variety.....         | 10.00    | 5.00    |         | Single specimen.....                                                 | 10.00    | 5.00     |         |
| Calanthe—6 plants in variety.....              | 15.00    | 10.00   |         |                                                                      |          |          |         |
| Coelogyne—6 plants.....                        | 25.00    | 15.00   |         | Any exhibit of merit not included in above schedule will be properly |          |          |         |
| Specimen plant.....                            | 15.00    | 10.00   |         | recognized, especially any new, rare or meritorious plants.          |          |          |         |
| Dendrobium—12 plants, 12 varieties.....        | 25.00    | 15.00   |         | Additions may be made to this schedule later on, if found ad-        |          |          |         |
|                                                |          |         |         | vailable.                                                            |          |          |         |
|                                                |          |         |         | Cut flower schedule will appear later.                               |          |          |         |



# THE AMERICAN FLORIST

1885 TWENTY-FIFTH YEAR 1910

Subscription, United States and Mexico \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

Eastern Representatives:

A. F. FAULKNER, 1133 Broadway, New York.

ROBT. KIPT, 1725 Chestnut St., Philadelphia, Pa.

**THE AMERICAN FLORIST,**

324 Dearborn St., CHICAGO.

**THIS ISSUE 56 PAGES WITH COVER.**

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FLORISTS' employes are now under the regulations of the factory act in England.

## Important to Subscribers.

The date on the yellow address label on your copy of THE AMERICAN FLORIST will show when your subscription expires. Please renew subscription promptly on expiration to make certain of receiving your copy of each issue.

COLD WEATHER, retarding the growth of nearly all stock, is prevalent in the Santa Barbara (Calif.) district.

CORPORATIONS who pay their taxes only under protest cannot get their money returned: it can be got back if the law is declared unconstitutional only when paid under stress.

GOOD soil and manure have a high market value in the large greenhouse centers and in some cases it is impossible to secure adequate supplies, growers being compelled to use inferior grades.

THE fertilizer needs of soil can not be determined by chemical analysis, that process leaving unanswered many questions as to the availability of the constituents. Careful experiment is still the best way to solve the problem.

REPLYING to "T. C." we may state that the difference in the old ad valorem and the new specific duties on some items, such as lilies, hyacinths, narcissi, lily of the valley, etc., is quite considerable. Some dealers, we understand, gave their customers the advantage of the new schedule last year, where the duty was lower, while others took the profits made by the changes in duty.

AN exhaustive study of the fauna and flora of South America will be made by the Swiss government. The expedition will be under the leadership of Dr. Fuhrmann, Neuchatel, and Dr. E. Mayer, an expert in medicine and botany of the same university. The explorers will leave Switzerland for South America on July 1 of this year. The expedition will last a year. It is stated that several English and American men of science intend to join the expedition at their own expense, and their offers have been accepted.

## American Carnation Society.

### CARNATION REGISTERED.

Niagara—A cross between The Belle and an unknown variety. Pure white, 3 to 3½ inches, a free grower, strong and healthy. A. F. J. BAUR, Sec'y.

## The American Rose Society.

The executive committee and other members have held two conferences in New York in regard to the details of the coming spring show at the American Museum of Natural History in that city, March 16-18. The total amount of prizes offered in the schedule reaches some \$1,500. In conjunction with the rose show the Horticultural Society of New York has a preliminary prize schedule, the total of which comes to \$700.

The S. S. Pennock-Meehan Co., of Philadelphia, offer a special prize of \$25, to be awarded at the discretion of the committee.

Moore, Hentz & Nash offer a solid silver cup, valued at \$50, for the best six roses, two to be white and four red, pink or yellow, American Beauty excepted.

Wm. F. Kasting Co. offers a prize of \$25 wherever it can be best used. The Toronto Horticultural Society offers one of its silver and bronze medals.

Arthur T. Boddington offers a cash prize of \$25.

Stumpp & Walter Co. offers a special prize, for private gardeners only, for 25 Richmond roses, of \$10 and \$5.

A valuable paper is being prepared by W. S. Sibson on "Northern Pacific Coast Roses."

The Horticultural Society of New York will issue, jointly with the American Rose Society, the preliminary prize list and rules within a few days. Joseph A. Manda has been appointed superintendent of exhibits. President Pöhlmann is urging the Chicago people to make fine exhibits in New York. The New England people will be present with the best that they can produce. This exhibition is regarded by some of the strong people in New York as one of public education, at which it is expected thousands will be present. Vice-President Pierson, ex-President Simpson and Treasurer May are at work like beavers to insure the practical success of the undertaking.

BENJAMIN HAMMOND, Sec'y.

## Dahlias for Forcing.

### ED. AMERICAN FLORIST:—

What are the best dahlias for forcing for cut flowers? When is the best time to start them? E. E.

Dahlias for forcing can be planted at any time provided the roots are in proper condition. However, the best results cannot be had if new roots are planted before December 1 with still better chances at December 15 to 25. Good, well-ripened roots, planted any time after January 1 and given a night temperature of 60° will give far better results than in the open ground. For Memorial day, roots can be planted as late as March 1 and will continue to bloom until outdoor dahlias flower. Planted in July they will come into bloom just at the best demand and will sell much better than outdoor flowers not to speak of injury done by early frosts and heavy storms. The following information, sent in reply to an Ohio correspondent, will probably be interesting to "E. E."

"Jack Rose is a dwarf short jointed variety of robust constitution, an early and persistent bloomer. Besides, it always comes perfectly full at the center. Therefore, pinch out the leading shoot or shoots, (if more than one), when three pairs of leaves have formed. Repeat on the branch or succeeding shoots. When as many shoots as are needed to the plant are produced, begin disbudding, leaving the terminal bud and taking out all lateral buds or shoots far enough down to give the length of stem desired. This system is very hard on both plant and soil, so give a top dressing of any good complete fertilizer to keep up size of flowers as needed.

"By this method the plants will bloom until frost. The stems will average 20 to 30 inches long, slender yet stiff and the flowers will be large. Another advantage, and a most important one, the flowers keep so much longer when cut. For forcing under glass pinch once only and when buds form remove the first two, allow the third to bloom and disbud succeeding or lateral shoots to give length of stem desired; about 18 inches long is usually most profitable. Roots planted now will be in full bloom long before Memorial day."

L. K. PEACOCK.



## Meetings Next Week.

Baltimore, Md., February 14, 8 p. m.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange Hall, St. Paul and Franklin streets.

Boston, Mass., February 15.—Gardeners' and Florists' Club of Boston, Horticultural Hall.

Cleveland, O., February 14, 7:30 p. m.—Cleveland Florists' Club, Progress Hall, 2610 Detroit street.

Lake Geneva, Wis., February 19, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.

New Orleans, La., February 13, 2 p. m.—Gardeners' Mutual Protective Association, 118 Exchange alley.

New Orleans, La., February 17, 8 p. m.—New Orleans Horticultural Society, Kolb's Hall, 127 St. Charles avenue.

Newport, R. I., February 16.—Newport Horticultural Society.

New York, February 14, 7:30 p. m.—New York Florists' Club, Grand Opera House building.

Pasadena, Calif., February 18, 8 p. m.—Pasadena Gardeners' Association, Board of Trade rooms, West Colorado street.

Rochester, N. Y., February 14, 8 p. m.—Commercial Florists' Association of Rochester, 416 Cutler building.

Salt Lake City, Utah, February 15.—Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South street.

Scranton, Pa., February 18, 7:30 p. m.—Scranton Florists' Club, Guernsey building.

Seattle, Wash., February 15.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia streets.

Springfield, O., February 14.—Springfield Florists' Club, office of the Good & Reese Co.

Toronto, Ont., February 15, 8 p. m.—Toronto Gardeners' and Florists' Association, St. George's Hall, Elm street.

St. Paul, Minn., February 15, 8 p. m.—Minnesota State Florists' Association, 510 Snelling avenue, North.

## Wants, For Sale, Etc

## One Cent Per Word, Cash with Adv.

## For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

**Situation Wanted**—By practical gardener and florist. life experience; middle aged; married; want a place where first-class stock is required.  
J. HODGE, 163 Foster St., Mansfield, O.

**Situation Wanted**—As gardener, private or public; experienced in all branches; trained in Scotland; special experience in chrysanthemums and pot plants; Canada preferred; married; abstainer; age 28. Address  
Key 434, care American Florist.

**Situation Wanted**—To take charge of the growing of cut flowers, flowering and bedding plants, also palms, ferns, etc.; 26 years' experience in those lines of the trade; middle-aged, single man, sober and honest; expect fair wages and steady work. Address  
E. H. Florist,  
General Delivery, Dubuque, Ia.

**Help Wanted**—Gardener, married man in private place near Chicago; permanent position.  
Key 439, care American Florist.

**Help Wanted**—A grower of greenhouse plants and vegetables who could invest \$1000 in limited company apply  
KOOTONIA NURSERY & GREENHOUSE CO., LTD.,  
Baynes Lake, British Columbia

**Help Wanted**—Florist and gardener; must be an experienced all-around man, sober and competent; good job if you want to work; married man preferred. Answer at once and send references.  
OTTO SCHWILL & Co.,  
Seedsman and Nurserymen, Memphis, Tenn.

**Help Wanted**—Assistant gardener for a private place; single man, age about 23; used to greenhouse work; Protestant and strictly temperate; English or Scotch preferred; wages, \$30.00 per month and board and room to start with. State full particulars to  
C. SIMPKINS, Peabody, Mass.

**Wanted**—Conrad (Bismark) Lingenfelt to write H. KRUEGER, Meadville, Pa., important.

**For Rent**—Six greenhouses, with steam boiler, well stocked with suitable stock for retail trade, with one and one-half acres of land for planting purposes. Party renting will be able to dispose of all first-class stock grown to owner of plant for retail store. For information address  
Letter M, Post Office, Louisville, Ky.

**Wanted to Rent**—Greenhouse establishment; 15,000 to 20,000 feet; must be in good repair, good location and good rose soil required; shipping distance of Chicago preferred.  
Key 438, care American Florist.

**Wanted**—Greenhouse, about 5000 ft. o glass, dwelling, one or more acres of land.  
Key 436, care American Florist.

**For Sale**—First class florist business in city of 30,000; reason for selling; other business.  
Key 999, care American Florist.

**For Sale**—Some 3-inch pipe guaranteed sound, 7c per foot. Also several good small boilers cheap.  
W. H. SALTER, Rochester, N. Y.

**For Sale**—A good florist retail business in growing city in western New York; 5.0 0 feet of modern, built glass, with work room and living rooms attached; best place in town; a good trade. A good place for the right man. Reasons for selling, other business. Price and details on application.  
Key 429, care American Florist.

## WANTED

At once, a competent rose and carnation grower; permanent position to sober, reliable man; wages \$18.00 per week. Address  
Key 941, care American Florist.

## Help Wanted.

A thoroughly competent plantsman well posted in trees, shrubs and all hardy planting material. A good promising position for the right man who knows his business and can handle men. State references and salary wanted.

"Practical Hustler," care American Florist.

## Ornamental Nurseryman Wanted

One familiar with varieties, propagation and growing of ornamental trees and decorative plants. Address  
THE SILVA-BERGHOLDT CO.  
Newcastle, California.

## Situation Wanted.

By first-class young Hollander, married, no children, four years' American experience and ten years' experience in different countries in Europe and East Indies; private situation preferred; experienced in landscape gardening and managing a private estate; also capable of managing an ornamental nursery; eastern states preferred; age 30.

Key 426, care American Florist.

## TO RENT.

A very rare opportunity of one of the most modern and up-to-date florist establishments of about 15,000 sq. ft. glass; hot water heat; Superior tubular boiler; entire place equipped with electric lights, cement walks and floors; work building 20x115 two stories 8-room modern flat; good established business; the conveniences and accommodations to all transportation, etc. are too numerous to mention; they cannot be excelled; if interested an investigation will convince.

RICHARD F. GLOEDE,  
1405-1407 Central St., Evanston, Ill.

## FOR RENT.

Greenhouse, 12,000 feet of glass; stocked with sweet peas, carnations, bedding plants; good house; 10 acres of land; near Chicago; \$50.00 per month.

Key 425, care American Florist.

## Unexampled Chance

For a first-class grower with executive ability and capacity to take charge of 50,000 square feet of glass, most modern in construction and equipment, for growing cut flowers and plants, about to be erected in most progressive part of United States, where competition amounts to almost nothing. Can sell entire product now, and plant will have to be doubled in two or three years at most with right management. If you do not possess these requirements and have not got \$3,000 to \$5,000 to take stock in the \$50,000 corporation do not reply. But if you have and can produce the goods, you will get the chance of your life by addressing  
Key 440, care American Florist.

## Retail Store Man.

The advertiser, located in the south, wants a good man to take charge of the retail cut flower department. He must be fully competent to turn out high class design work and decorations. One who has a general knowledge of the seed business would be preferred, as the cut flower department is carried on in connection with a general seed business. A good salary to the right man. Address  
Key 431, care American Florist.

## FOR SALE.

About April 1st we begin tearing down a range of 85,000 feet of glass to make room for more modern houses.

We will have for sale ventilating machines (Hippard), ventilators, ready glazed sash bars in length 8 ft. to 14 ft., gutters and 4-in. cypress and cedar posts, glass in small sizes. Just the material for building small houses, lean-tos, partitions, etc. Will sell any part or all of it.

J. M. GASSER CO., Rocky River, Ohio.

## Greenhouse Construction

BY PROF. L. R. TAFT.

It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 210 pages and 118 illustrations. PRICE, \$1.50

## Greenhouse Management

By the same author. Covers the subject completely. 382 pages. PRICE, \$1.50.

American Florist Co.,  
324 Dearborn St.,  
Chicago.



# We are Strong on Roses and Carnations

## NONE BETTER TO BE HAD.

Can furnish you with the following roses in quantities  
**Mrs Jardine, My Maryland, Killarney, Richmond, Bride,  
 Bridesmaid, Perle, Kaiserin.**

**CARNATIONS** All the Leading Quality Unexcelled.  
 Sorts *\*\*\*\*\**

Plenty of spring stock, Tulips,  
 Jonquils, Daffodils, Narcissus,  
 Sweet Peas, Freesias, Violets,  
 Valley and Greens of all kinds.

# J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and  
 Carnations  
 A Specialty.....

WHOLESALE  
 GROWER of

# CUT FLOWERS

### Chicago.

#### ROSE SITUATION IMPROVING.

While there is by no means a full supply of roses on the market the situation is clearing a little. There were more roses at the end of last week and growers say that the few days of bright weather have had a good effect upon the plants. The growths are coming away in fine shape and in a week or two there will probably be good teas in the market in plenty. American Beauty is advancing for crop in several of the principal establishments but the fine weather of the late fall produced such an abundance of stock that the plants were cut about pretty badly and have not yet got over it. Carnations have probably never been better or more plentiful, yet the shortage in roses leads to so good a demand that everything of quality cleans up well. Winsor is in splendid shape and is one of the most popular in its color, if indeed there is anything else that can compare with it in this respect. The reds are also in good order, fine stems and large flowers. The culls and splits are all taken up for funeral work. Bulb stock continues to arrive in quantity and is good generally.

During the present week every day saw the rose situation improving. Killarney was among the short items for a time, also White Killarney. Richmond, Bride, Bridesmaid and others are coming better, but still scarce. Beauties are scarce in most places and difficult to obtain. Carnations are getting more plentiful right along, but wholesalers have been loosening up and giving retailers a chance. Telegraph quotations have been sent out and everything possible done to prevent anything like a glut, consequently the market has not suffered much. Easter lilies, lily of the valley and freesias have all been over-plentiful, one prominent grower describing the valley situation as a glut. The prices on all these have come down a little. Really good Paper White narcissus is scarce, but there is plenty of the other kind, also tulips which are coming in elegant shape. Violets are plentiful, but clean up fairly well. Good jonquils can now be had for \$3-\$4. Asparagus plumosus is very scarce, especially good tips in bunches. Galax, leucothoe and other greens are running along about even.

### THE COAL SITUATION.

It will not be safe for growers to neglect the signs of the times in the coal market. Although for the present the atmosphere seems to have cleared a little there is the possibility of a strike looming ahead, contracts are running out and there are several months yet during which large quan-



John Orseske.

ties of coal are used. Careful business men apprehend a shortage of coal in March and are keeping the bunkers full. This seems a pretty good lead to follow.

### NOTES.

Quite a gloom was cast over the market on Thursday, February 3, when it was made known that John Orseske, who for seven years had worked for Wiator Bros. and, by his genial, pleasant manner had become a general favorite, was dead. "Whitey" was at the store as usual on the Sunday previous to his death but complained of pains in his side. He did not turn up on Monday and his doctor pronounced his trouble appendicitis and sent him to St. Bernard's

## Wiator Bros.,

Wholesale Growers of

..CUT FLOWERS..

51 Wabash Avenue, CHICAGO.

### Price List

| American Beauties,            | Per doz        |
|-------------------------------|----------------|
| Extra long .....              | \$ 6 00        |
| 36-inch stems .....           | 5 00           |
| 30-inch stems .....           | 4 00           |
| 24-inch stems .....           | 3 00           |
| 20-inch stems .....           | 2 50           |
| 18-inch stems .....           | 2 00           |
| 15 inch stems .....           | 1 50           |
| Short .....                   | 1 00           |
| Per 100                       |                |
| Killarney, extra .....        | \$12 00        |
| " fancy .....                 | 8 00           |
| " good .....                  | 5 00 to 6 00   |
| Richmond, extra .....         | 10 00          |
| " fancy .....                 | 8 00           |
| " good .....                  | 5 00 to 6 00   |
| Mrs. Jardine, extra .....     | 12 00          |
| " fancy .....                 | 8 00 to 10 00  |
| " good .....                  | 6 00           |
| White Killarney, fancy .....  | 10 00 to 12 00 |
| Brides and Maids, fancy ..... | 10 00 to 12 00 |
| " good .....                  | 6 00 to 8 00   |
| Uncle John, fancy .....       | 8 00 to 10 00  |
| " good .....                  | 5 00 to 6 00   |
| Perle, fancy .....            | 10 cents       |

**ROSES, our selection..... \$6 00**

Carnations, extra fancy..... 2 00 to 3 00

Easter Lilies, short \$2 00 per doz.

Valley .....

Asparagus Plumosus,  
 extra quality, per bunch .....

Fancy Ferns, per 1000.....\$2 00

All other stock at lowest market rates.

Prices subject to change without notice.  
 No charge for packing.

hospital where he died on Thursday before an operation could be performed. John was 22 years of age and single. The interment took place at St. Adelbert's cemetery on Monday and over 100 people were present at the funeral which was held at the home. One carriage was entirely filled with flowers and floral designs, showing the respect in which the deceased was held by his friends and business acquaintances.

At the A. L. Randall Co.'s supply department the Delwood gold boxes



# :: Easter Lilies ::

We are cutting an average of one thousand lilies per day, very choice stock, long stems, large flowers and fine foliage. They are the best flowers in the market and are in great demand during this shortage of Beauties and Roses. We are selling them at \$12.00 per 100 or \$1.50 per dozen. Buy direct of the grower and get fresh stock. **American Beauties, Roses, Fancy Carnations, Tulips, Daffodils, Lily of the Valley, Easter Lilies and Greens.**

Write us for our weekly price list if you are not receiving it. We keep you posted on the flower market

## Bassett & Washburn

Store and Office: 76 Wabash Ave.,

CHICAGO

Greenhouses: HINSDALE, ILL.

and baskets, for which this firm is special agent, are well shown. This is very tasty ware and sells on sight, many retailers stocking up on it just now. Persons interested in temperature alarms can also see here the excellent instruments manufactured by the National Clock & Electric Manufacturing Co., which we have already referred to in our columns. The cut flower end is being well taken care of and a big business is being done right along. A retailer would be hard to please who could not find what he wanted at this enterprising firm's establishment, for it is all there in quantity as well as quality.

Bassett & Washburn's roses are now arriving in larger quantities, the plants commencing to bloom more freely. Unlike those at some other firms the coal bunkers were kept well filled at Hinsdale during the scarcity and the temperatures maintained, the consequence being that the plants are pushing good growths and will be in full crop shortly. During January B. & W. bought and received delivery of 73 carloads of coal and they are keeping up at the same clip right along, for the danger point is not yet passed in the heating problem. Fine Easter lilies continue to be a leading feature at the store, grand blooms arriving by the hundreds, 1000 being the cut in one day this week.

At J. A. Budlong's we noted some extra fine Mrs. Jardine, this having proved itself an excellent winter rose. Killarney and My Maryland have also been of extra quality, indeed the whole of the stock is in excellent shape. Large quantities of carnations of magnificent color and substance have been arriving daily, also exceptionally good bulb stock, lily of the valley and extra fine sweet peas. Business here has been very brisk, stock moving in large quantities both out of town and to local retailers.

Kyle & Foerster are showing exceptionally good bulb stock and we noted the double tulip, Couronne d'Or, in better shape for thus early in the season than we ever remember seeing it. Lorraines are also in great order, as are all the other stocks offered. Carnations are a strong leader and great quantities are being handled daily. Business here is advancing by leaps and bounds and it takes some tall hustling to keep it all going.

A. Lange had the decorations at an important wedding at Ottawa on Tues-

## We Are Strong On CARNATIONS

Fine stock of exceptional quality in all the best varieties. We are also cutting large quantities of **Beauties, Roses** and other Seasonable Stock.

### PRICE LIST.

#### AMERICAN BEAUTIES Per doz.

|                       |        |
|-----------------------|--------|
| Extra long stems..... | \$6 00 |
| 36 inch stems.....    | 5 00   |
| 30 inch stems.....    | 4 00   |
| 24 inch stems.....    | 3 00   |
| 20 inch stems.....    | 2 50   |
| 18 inch stems.....    | 2 00   |
| 15 inch stems.....    | 1 50   |
| 12 inch stems.....    | 1 00   |

#### Richmond, Killarney, Mrs. Per 100

|                       |                   |
|-----------------------|-------------------|
| Field, Mme. Chatenay, |                   |
| My Maryland.....      | \$6 00 to \$12 00 |

#### Uncle John, Bride, Maid, Ivory, Sunrise, Golden Gate.....

|                           |               |
|---------------------------|---------------|
| Gate.....                 | 6 00 to 12 00 |
| Perle.....                | 5 00 to 10 00 |
| Roses, our selection..... | 5 00          |
| Carnations.....           | 2 00 to 3 00  |
| Harrisil.....             | 15 00         |
| Valley.....               | 4 00          |
| Violets.....              | 1 00          |
| Adiantum.....             | 1 00          |
| Asparagus, per bunch...   | 50            |
| Ferns, per 1000.....      | 2 00          |

**PETER REINBERG, 2,000,000 Feet of Modern Glass**  
**35 Randolph Street, Chicago.**

day, when Geo. D. Buckley, an advertising man of this city, married Miss Helen Catherine Moloney. Large quantities of fine stock were used, the bill footing up about \$500. Herbert Stone, the capable decorator for this firm, was in charge. Several other important decorations have been carried out, making a very busy week.

Vaughan & Sperry's American Beauties are still the talk of the market. They are grand flowers in every way, large, good stems and foliage and of fine form and color. They are coming in big quantities, too, 1,500 in one day, more than half of them of the first grade long stems, being the order of arrival. Violets are also a heavy lead, 30,000 being booked one day last week for a single order.

D. D. Johnson, of the D. D. Johnson Co., has been in Michigan the past week arranging for tests of the Evergreen brand fertilizer in various establishments. The Grand Rapids Greenhouse Co. is using this fertilizer largely, having tried it out last season with good results. Orders are coming in rapidly from all points and jobbers report an excellent demand.

The J. B. Deamud Co. reports an exceptionally busy week and plenty of good stock, especially in carnations. A big consignment from the Chicago Carnation Co., Joliet, which arrived on Thursday, and consisted of some of this firm's novelties as well as standard varieties, was snapped up by discriminating buyers almost before the boxes were opened.

The members of the Florists' Club have decided on the Illinois Central train leaving depot at Twelfth street and Michigan avenue at 9:40 a. m., February 15, arriving at 12:40 p. m. (a 3-hour run), for the annual convention of the Illinois Florists' Association to be held at Champaign, February 15-16. Fare, \$2.52 each way.

Stock at Wiator Bros. has been of the usual fine quality this week. Their growers appear to have got the hang of Rhea Reid, for the flowers coming to market now are excellent in every way, fine color, good substance, and on stems carrying healthy, vigorous leaves. In this form it is a magnificent rose.

Bassett & Washburn received a box of J. Whitcomb Riley carnations from



# Beauties in Full Crop

Daily Receipts 1,200 to 1,500 Long Fancy. Other sizes in Good Supply.  
Wire Us Your Wants.

St. Valentine's Day You will want VIOLETS, ORCHIDS and VALLEY. Let us have your order now for these.

**VAUGHAN & SPERRY,** Wholesale Florists,  
52-54 Wabash Ave., **Chicago.**

Bertermann Bros. Co., Indianapolis, on Tuesday with a request that they exhibit it at the Florists' Club meeting, the senders being evidently under the impression that the meeting was held this week.

At a meeting of the Flower Growers' Market, February 1, officers were elected as follows: Walter Tonner, president; Frank Beu, vice-president; Alex. Henderson, secretary; John Sinner, financial secretary; Miss Hertha Tonner, treasurer.

John Zech, of Zech & Mann, has been suffering from a severe cold and what appeared like a case of grip. The supply of Bride and Richmond roses and all classes of bulb stock has been large here this week and of excellent quality.

At Peter Reinberg's good carnations have been the leading feature, large quantities of elegant stock arriving daily. American Beauty roses arrived more freely early in the week but the plants are not yet in full crop.

Daniel Branch of Indiana avenue and Fifty-first street is opening the retail store at 523 East Forty-third street, formerly occupied by the Radke Floral Co.

Business has been brisk at E. H. Hunt's and large lots of fancy carnations are moving out daily. One often sees good stock of interesting novelties here.

Roy F. Wilcox, son of J. F. Wilcox of Council Bluffs, Ia., spent several days of his wedding tour in the city last week.

Conrad Frauenfelder, who has been sick for some time, is now able to be around again.

Visitors: F. Washburn, Bloomington; J. F. Ammann, Edwardsville; C. E. Gullett, Lincoln; A. C. Brown and G. W. Jack, Springfield; E. Amerpohl, Janesville, Wis.; H. D. Robinson and Wm. Penn, Boston, Mass.; B. Eschner, representing M. Rice & Co., Philadelphia; Roy F. Wilcox, Council Bluffs, Ia.; J. C. Blair and Dean Davenport, of the Urbana Experiment Station; J. Heini, Terre Haute, Ind.; Wm. Dykes representing Ed. Jansen, New York; H. B. Dorner, Urbana; Geo. A. Kuhl, Pekin.

## BOWLING.

Owing to the absence of a number of members on Thursday night each team rolled one man short. The Orchids won two games from the Carnations and are now close on the latter's heels, only one game separating the teams. The Roses took two from the Violets.

The J. B. Deamud Co.'s silver cup has been on exhibition during the week at the company's store, 51 Wabash avenue. This is to be given to the bowler who makes the high average individual score for the season 1909-

## "The Busiest House in Chicago"

**F**OR Valentine's Day and all other days we will have the finest stock that is now coming into this market. The better the day the better the stock. We can take care of you.

**J. B. DEAMUD CO.**

1910 and becomes his property at the first winning. It is a handsome cup finely wrought and with three horn handles and will be known as the Deamud cup. The scores and team standings will be found on page 159.

## Chicago Florists' Club.

The February meeting of the Chicago Florists' Club was held February 3 at the Union restaurant, with Presi-

Treasurer Winterson's report was submitted, showing a balance of \$1,066.76 on hand February 1. President Asmus called the attention of the members to the coming convention and exhibition of the Illinois State Florists' Association at Champaign, February 15-16, urging the importance of these events to all florists in the state and the desirability of taking advantage of the opportunity to visit the experiment station greenhouses, where Prof. H. B. Dorner has much good work in floriculture under way.

J. C. Vaughan, of the experiment station advisory board, said a good beginning had been made in work on floricultural problems and that much remained to be done. The authorities have done good work for the fruit growers of the state whose interests are not nearly so extensive as those of the plant and flower growers. The men who have this work in hand must be informed as to what is needed in the way of investigation and experiment and the florists could best aid the work by telling those in charge about their difficulties and requirements. Mr. Vaughan went on to say that there are many new perplexities in modern cold storage and that the new varieties of plants coming to us year after year have their own particular troubles.

Ladies' night has been scheduled for March 3 and the good of the club committee will be assisted in the preparatory work for this event by H. N. Bruns, A. C. Kohlbrand and D. A. Robertson.

The best train for the Illinois State Florists' convention at Champaign leaves the Illinois Central depot, Michigan avenue and Twelfth street, February 15 at 9:40 a. m., arriving at 12:40 p. m., a three-hour run.

Secretary Winterson was instructed to tender the hearty thanks of the club to the Florists' and Gardeners' Club of Pittsburg for the many courtesies



The Deamud Cup.

Individual Bowling Trophy for Highest Average Man, Season 1909-1910, Chicago Florists' League. The Actual Height of the Cup as Shown Here Without Pedestal is Nine Inches.

dent Asmus in the chair. There was a good attendance, the drawing card being the installation of officers for the ensuing year. E. J. Fichter, 1965 Summerdale avenue; J. F. Dumke, 7047 Wentworth avenue, and Wm. Graffe, 1332 Byron street, were elected members and Joseph Strauss, 5928 La Salle street, was proposed for membership.



# Cut Flowers E. H. HUNT

FOR ALL OCCASIONS.  
FLORISTS' SUPPLIES TOO.

—SEND FOR PRICE LIST.—  
76 Wabash Avenue, CHICAGO.

## KYLE & FOERSTER,

W. P. KYLE.

51 Wabash Ave.,

CONSIGNORS SOLICITED.

Wholesale Florists.

L. D. Phone  
Randolph 3619.

JOSEPH FOERSTER

CHICAGO.

## KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

46-50 Wabash Ave., Chicago  
L. D. Phone, Central 466.

We will have anything in the line of  
**CUT FLOWERS and GREENS**  
that you may want if anybody has it at  
Chicago market prices on day of shipment.

## CHAS. W. McKELLAR,

51 Wabash Ave.,  
CHICAGO.

### ORCHIDS

A Specialty

Fancy Stock in Peonies,  
Valley, Roses, Beauties,  
Carnations and a full line  
of all Cut Flowers, Greens,  
Wire-Work and Florists'  
Supplies.

Send for Complete  
Catalogue.

## POEHLMANN BROS CO.

Wholesale Growers of and Dealers in

### Cut Flowers

All telegraph and telephone orders  
given prompt attention.

Greenhouses 32-37 Randolph St.  
MORTON GROVE, ILL. CHICAGO.



received by its members during the recent meeting of the carnation society.

C. W. Johnson gave a talk on the new carnations at the Pittsburg show.

Those who like calliope ways must learn to dig.

#### EXPERIMENT STATION WORK.

The florists' advisory committee of the experiment station met at the Union restaurant, Friday evening, February 4 and, with the representatives of the university, discussed the experiment station work in floriculture and outlined plans for the future.

## E.C. AMLING

THE LARGEST,  
BEST EQUIPPED,  
MOST CENTRALLY LOCATED  
WHOLESALE  
CUT FLOWER HOUSE  
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,  
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

## Wholesale Flower Markets

| CHICAGO, Feb. 9.                 |                   |  |
|----------------------------------|-------------------|--|
| Roses, Beauty, extra select...   | 6 00              |  |
| " " 36 in .....                  | 5 00              |  |
| " " 30 in .....                  | 4 00              |  |
| " " 18 in .....                  | 2 50              |  |
| " " 15 in .....                  | 1 50              |  |
| " " Short .....                  | 1 00              |  |
| Per 100                          |                   |  |
| " Bride, Bridesmaid, select..    | 8 00@15 00        |  |
| " " medium .....                 | 4 00@ 6 00        |  |
| " Killarney, select ..           | 6 00@15 00        |  |
| " " medium and short ..          | 4 00              |  |
| " Mrs. Jardine .....             | 4 00@10 00        |  |
| " Mrs. Potter Palmer .....       | 8 00              |  |
| " My Maryland .....              | 8 00              |  |
| " Perle .....                    | 7 00              |  |
| " Richmond extra select...       | 4 00@12 00        |  |
| " Uncle John .....               | 6 00              |  |
| " White Killarney, select ..     | 8 00@15 00        |  |
| " " medium .....                 | 4 00@ 6 00        |  |
| Carnations, select fancy ..      | 3 00@ 4 00        |  |
| " common and splits ..           | 75@ 2 00          |  |
| Callas .....                     | 2 00              |  |
| Hyacinths, Roman .....           | 2 00@ 4 00        |  |
| Lilium Harrisii .....            | 1 50 12 00        |  |
| Lily of the Valley .....         | 3 00@ 4 00        |  |
| Mignonette .....                 | 4 00@ 6 00        |  |
| Narcissus .....                  | 3 00@ 4 00        |  |
| Orchids .....                    | 6 00@ 9 00        |  |
| Sweet Peas .....                 | 40@ 1 50          |  |
| Violets .....                    | 50@ 75            |  |
| Adiantum .....                   | 1 50              |  |
| Asparagus Plum, strings, each .. | 60@ 75            |  |
| " " sprays .....                 | 3 00@ 4 00        |  |
| " Sprengerii .....               | 3 00@ 4 00        |  |
| Boxwood, per bunch ..            | 35c per case 7 50 |  |
| Ferns .....                      | 2 00              |  |
| Smilax .....                     | 1 50              |  |

## GEO. REINBERG,

Wholesale  
Grower of **Cut Flowers**

CHOICE AMERICAN BEAUTIES.

We will take care of your orders at reasonable prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

The work already started pertains mainly to thrips, carnations and fertilizers and it is thought that some preliminary reports will be made on this work early in fall. Those in attendance included Dean Davenport, Prof. J. C. Blair, Prof. H. B. Dörner, C. E. Gullett, August Poehlmann, J. C.

BE YOUR OWN COMMISSION MAN  
—AT THE—

## Flower Growers' Market

60 Wabash Ave., CHICAGO.

A Few Desirable Stands For Rent.

See JOHN SINNER, Manager.

## Chicago Rose Co.,

JOSEPH ZISKA, Successor,

Cut Flowers, Florists' Supplies and Wire Work a Specialty.

Long Distance Phone Central 2487.

56-58 Wabash Ave., CHICAGO

## WIETOR BROS.

Wholesale  
Growers of **Cut Flowers**

All telegraph and telephone orders given  
prompt attention.

51 Wabash Ave., CHICAGO.

## Quality Counts.

Let us have your next order for  
**Roses and Carnations**  
and other Seasonable Flowers.

JOHN KRUCHTEN,

51 Wabash Ave., CHICAGO.

## HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 51 Wabash Avenue, CHICAGO

## Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO  
Telephone, Central 3284.

## A. L. Randall Co.

19-21 Randolph St.,  
CHICAGO.

L. D. Phone Central 1496. Private Exchange  
All Departments. If you do not receive our  
price list regularly send for it.

Vaughan, Geo. Asmus, W. N. Rudd,  
P. J. Foley, J. F. Ammann, F. L.  
Washburn, Albert T. Hey, Albert  
Erickson, M. Barker and F. Weissgerber.



## Philadelphia.

## STOCK COMING MORE FREELY.

The extreme scarcity that prevailed for the past few weeks is off for the season, as quantities of stock in all lines are increasing, with the exception of American Beauty roses, which are still shy and very uncertain. Amongst roses, Killarney is undoubtedly the leader. My Maryland has sold very well, but when flowers of equal grade are offered the choice is nearly always for the Irish maid. Of the old favorites, Bride appeared to hold its own, White Killarney not appearing to be very plentiful as yet. It has proved its worth, however, and will be grown more extensively the coming season. Carnations are selling very well, there seeming a good demand for all choice stock. Dorothy Gordon stands head and shoulders above all others in this market, all flowers offered bringing \$2 above other sorts of high grade. Sweet peas are very popular and fine flowers are seen daily from a number of shippers. Bulbous stock is now at its best. Daffodils, although coming in quite large quantities, hold well, \$4 being the price. Tulips are also in good demand. White and yellow double and single are the best sellers. Violets have been scarce, but the increased sunlight of the past week is having its effect and there promises plenty for St. Valentine's day, when they will be in big demand. New York doubles are now quite a factor in this market. Acacia is offered by two of the large houses and finds a ready sale; it has no rival in its field. White lilac has become a stock flower, three growers in this vicinity giving almost their entire attention to the forcing of this crop. A sudden cold snap last Monday night when the thermometer dropped to zero found several of the storekeepers unprepared, and resulted in considerable loss, the stock in the windows and front of the stores being badly frozen. Much of the stock arriving by express was also damaged, resulting from insecure packing. Too great care cannot be exercised in this respect during these severe changes.

## NOTES.

At the Harris establishment everything looks timed for the Easter trade. First, however, let us mention the shamrock, two houses nearly full, 70,000 pots in all, an immense stock which has all to be cleared out in about 10 days. Mark Mills says they never have enough and that the demand is constantly growing. The finest collection of azaleas they have ever had is being spread out and will be brought on slowly. An interesting exhibit is a table of the original stock of the Easter lily, all perfectly healthy. Could this be transferred to a suitable clime where it could be grown outdoors there would soon be a stock free of disease that would be a pleasure to handle. Baby Rambler rose will be a feature here for Easter, as it can be forced better than Crimson Rambler. The plants are all three years old.

The stores appear to be making quite a bid for St. Valentine day business. Pennock Bros. have a very pretty window. On a blue plush foundation was arranged gilt boxes and baskets of heart shape filled with violets. Large glass shelves suspended from the top of the window by gauze ribbon held vases of choice flowers, and hanging all about were small heart-shaped boxes with ribbon bows. The top of the window was festooned with gauze and other fancy ribbon. A large vase of lilac and Bridesmaid roses, together with choice pots of heather, were the other features of this attractive window display.

M. Rice & Co. are living up to their slogan, "Watch us grow," by growing. There is plenty of room at the top and as the roof was in the way it

# Aphine on Ferns

Two Millions of Ferns  
Grown Annually.

Five Hundred Varieties  
of Ferns in All Sizes.

**J. F. ANDERSON**

FERN SPECIALIST

Short Hills, N. J., Jan. 31, 1910.

APHINE MFG. CO., Madison, N. J.:

Gentlemen,—Kindly ship me at once, by U. S. Ex., two gallons of Aphine. The last gallon received from you has been thoroughly tested, and proved to be a most effective exterminator of all such insects to which ferns are subjected. If your preparations are of uniform strength, a solution of one to fifteen will be safe on the most delicate ferns.

Yours respectfully,

J. F. ANDERSON.

The manufacturers of **Aphine** guarantee a uniform product at all times, and, if directions are carefully followed, that it will do all we claim for it.

## A Public Aphine Test

Will be held in Philadelphia on Saturday, February 12th,  
1910 (Lincoln's birthday) from 2 to 5 p. m.,  
at the new seed store of

**HENRY F. MICHELL COMPANY, 1018 Market Street.**

You are cordially invited to be present and to submit any plants, shrubs or stock that may be infested with insects or disease, so that we may demonstrate to you the wonderful merits of this new insecticide discovery—**Aphine**.

**Aphine Manufacturing Company,**

**Madison, New Jersey**

was removed and almost over night another story was added, just grafted on, as it were. How they do grow, these enterprising supply men!

The Leo Niessen Co. is making a feature of all kinds of spring flowers. Acacia is a leader and is sent out as fast as it arrives.

Wm. McKissick has something extra fine in sweet peas, a large stock just in time for the lover's holiday.

K.

### Boston.

#### MORE STOCK COMING IN.

This has been a week of fair business; stock in most lines is coming in in increasing volume. Roses are showing a marked improvement both in quantity and quality, with the single exception of American Beauty. This still continues scarce and high priced. Richmond is improving somewhat in stem. Killarney and My Maryland are coming in rather freely in the small and medium grades, but are scarce in the larger sizes. There seems to be an increasing demand for Bon Silene and Safrano as grown by Elliott. The new rose, Mrs. Humphrey Ward, is popular, but is a little off crop and the supply is rather limited. Bulb stock is coming in plentifully and the demand holds up remarkably well. Golden Spur seems to be the favorite; Von Sion is coming much better than last week. Good

freesia is scarce and only the smaller, inferior varieties are procurable at present. There are plenty of good lilies. Cattleyas are more plentiful and are coming in in rather large numbers. Gardenias and lily of the valley are also coming in freely. The valley flowers are of good quality but the foliage is very scanty. Green stock is coming in more freely and the shortage of adiantum and Asparagus Sprengeri, so noticeable for the past two weeks, seems to be over. Violets are coming in rather heavy, both in the single and double. They are of good quality and sell well. The large amount of funeral work about town the past week has done much to keep the markets from being overloaded. There is a most attractive line of flowering plants to be seen at this time, including lilac, genista, acacia, cyclamen, primula, etc., and the growers report sales as being good.

#### NOTES.

Ed. Rogean is fortunate in securing regular shipments from A. N. Pierson, Cromwell, Conn. This gives him a fine assortment of stock that is always of the best quality and will be a great help to the local market at times of shortage.

Wm. Sim started on his first big crop of sweet peas this week. They are undoubtedly the finest in the market.

(OTHER BOSTON NOTES ON PAGE 146.)



## Bulbous Stock

Single Daffodils, Golden Spur and Princeps.  
Tulips, Pink, White, Red and Yellow.  
Valley, Very Choice, \$3.00 and \$4.00 per 100.

## Acacia Pubescens.

Long graceful sprays of small yellow, ball shaped flowers, beautiful foliage, a very choice novelty  
\$2.50 per bunch.

THE LEO NIESSEN CO., Business Hours, 7 a. m. to 8 p. m.  
Wholesale Florists 1209 Arch Street, Philadelphia, Pa.

## American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

## Asparagus Plumosus Nanus

Extra large heavy strings,  
50c each.

W. H. Elliott, Brighton, Mass

## Wholesale Flower Markets

| PHILADELPHIA, Feb. 9.     |    | Per 100  |
|---------------------------|----|----------|
| Roses, Beauty, extra..... | 40 | 00@75 00 |
| first.....                | 25 | 00@35 00 |
| Brides and Maids.....     | 6  | 00@10 00 |
| Tea.....                  | 6  | 00@10 00 |
| extra.....                | 12 | 00@25 00 |
| Carnations.....           | 4  | 00@ 6 00 |
| Cattleyas.....            | 50 | 00@75 00 |
| Lilium Harrisii.....      | 12 | 00@15 00 |
| Lily of the Valley.....   | 4  | 00@ 5 00 |
| Mignonette.....           | 5  | 00@ 6 00 |
| Sweet Peas.....           | 75 | @ 1 00   |
| Violets, single.....      | 75 | @ 1 00   |
| double.....               | 1  | 00@ 1 50 |
| Adiantum.....             | 75 | @ 1 00   |
| Asparagus, bunch.....     | 50 |          |
| Smilax.....               | 15 | 00@20 00 |

| BOSTON, Feb. 9.           |    | Per 100   |
|---------------------------|----|-----------|
| Roses, Beauty, best.....  | 25 | 00@ 50 00 |
| medium.....               | 15 | 00@25 00  |
| culls.....                | 5  | 00@10 00  |
| Bride Bridesmaid.....     | 4  | 00@ 6 00  |
| Extra.....                | 6  | 00@ 8 00  |
| Carnations.....           | 2  | 00@ 3 00  |
| selected.....             | 25 |           |
| Callas.....               | 8  | 00@16 00  |
| Cattleyas.....            | 50 | 00@75 00  |
| Gardenias, per dozen..... | 3  | 00@ 4 00  |
| Lilium Longiflorum.....   | 10 |           |
| Lily of the Valley.....   | 2  | 00@ 4 00  |
| Sweet Peas.....           | 1  | 00@ 1 50  |
| Adiantum.....             | 75 | @ 1 00    |
| Asparagus.....            | 35 | 00@50 00  |
| Smilax.....               | 12 | 00@16 00  |

| PITTSBURGH, Feb. 9.                 |    | Per 100  |
|-------------------------------------|----|----------|
| Roses, Beauty, special.....         | 25 | 00@40 00 |
| extra.....                          | 15 | 00@40 00 |
| No. 1.....                          | 8  | 00@12 00 |
| Bride Bridesmaid.....               | 4  | 00@ 8 00 |
| Chatenay.....                       | 4  | 00@ 8 00 |
| Killarney.....                      | 4  | 00@ 8 00 |
| My Maryland.....                    | 4  | 00@ 8 00 |
| Richmond.....                       | 4  | 00@ 8 00 |
| Carnations.....                     | 2  | 00@ 3 00 |
| Bouvardias.....                     | 2  | 50@ 3 00 |
| Callas.....                         | 10 |          |
| Cattleyas.....                      | 75 | @ 1 00   |
| Cypripediums.....                   | 15 |          |
| Daisies yellow.....                 | 2  |          |
| Freeseias.....                      | 3  |          |
| white.....                          | 2  |          |
| Gardenias.....                      | 35 | 00@50 00 |
| Hyacinths, Romans.....              | 2  |          |
| Lilac, white..... per bunch,        | 1  | 00@1 50  |
| Lilium Longiflorum.....             | 12 |          |
| Lily of the Valley.....             | 4  |          |
| Mignonette.....                     | 4  |          |
| Narcissus.....                      | 2  | 00@ 3 00 |
| Snapdragons.....                    | 4  | 00@ 6 00 |
| Sweet Peas.....                     | 50 | @ 1 00   |
| Violets, double.....                | 75 | @ 1 00   |
| single.....                         | 50 | @ 75     |
| Adiantum.....                       | 1  | 50       |
| Asparagus Sprengeri, per bunch..... | 50 |          |
| strings..... per string.....        | 50 |          |
| sprays..... per bunch.....          | 50 |          |
| Smilax.....                         | 15 | 00       |

East St. Louis, Ill.

Miss Mattie Schnell is doing so well that she has found it to her advantage to run an automobile for delivery, the first used here for that purpose.

Joseph Kaiser, Jr., formerly a florist of Belleville, has accepted the position of superintendent of parks here.

M.

## VIOLETS, VALLEY.

Quality best.  
Prices right.

### Carnations. VERY FANCY.

Get prices on quantities.

All other stock in quantity.

McCALLUM CO., Inc.,

Pittsburg

## Pittsburgh Cut Flower Co.,

Wholesale Florists and Growers,

The House that has and sells good goods at fair prices.

Salesrooms, 222 Oliver Ave.

PITTSBURGH, PA.

Choice Assortment of CUT FLOWERS will be found here.

WRITE FOR PRICES.

W. E. McKissick & Bros.

WHOLESALE FLORISTS.

Absolutely  
The Best Possible  
Service.

Business Hours 7 a. m. to 8 p. m. 1619-1621 Ranstead St., PHILADELPHIA, PA.

EVERYTHING A FLORIST USES.

## The Denver Wholesale Florist Co.

1433-35 California St.

## J. B. Murdoch & Co.

714 Penn Avenue

PITTSBURGH, PA.

All Flowers in Season. Send for list.

## RICE BROTHERS

Wholesale Florists and Supplies.

115 N. 6th St., MINNEAPOLIS, MINN.

Cut Flowers received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities.

## Weiland & Olinger,

128 E. Third St., CINCINNATI, OHIO.

## Wholesale Growers and Shippers of Cut Flowers.

Carnation Georgia \$12.00 per 100 \$100.00 per 100  
Greenhouses, NEW CASTLE IND.

—THE—

J.M. McCullough's Sons Co.,  
Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES  
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

## THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

## Pittsburg Florists' Exchange

Wholesale Cut Flowers

We have anything in the line of Cut Flowers and Greens that you may need at any time. A. C. S. Convention visitors are cordially invited to make their headquarters at our store

15 Diamond Square, PITTSBURGH, PA.



## New York.

## STOCK MORE PLENTIFUL.

The past week showed a large increase in the quantity of stock and a corresponding decline in the price of several stocks. Toward the last of the week the supply of carnations was particularly heavy and hard to move. American Beauty roses, lilies and other bulb stocks have also been affected. Lilies, which a few weeks ago were selling for 12 and 15 cents per flower, are now hard to move at half those figures. The supply of lily of the valley is more easily controlled and there are indications that it will soon regain the normal figures. There are plenty of orchids and gardenias on the market to supply all demands. Gardenias are now being used to some extent in funeral work by the larger stores. Freesias are plentiful and much of the stock is very attractive. Narcissi, of different varieties, are now arriving in quantity. Lent is looming large in the minds of dealers, though there are many who say that the effects of its observance is each year less noticeable in the trade.

February 7.—A cold wave, which, this morning, put the mercury down to zero, and lower in exposed sections, has practically demoralized the market. Considerable stock was frozen when it reached the wholesale district, but there was much more than enough to supply all demands. With the temperature near zero and a howling wind, it is not to be expected that there will be a great rush for flowers. There are twice as many carnations and three times as much bulb stock as there is any use for. The shorter grades of American Beauty roses are practically a glut.

February 8.—The condition of the wholesale cut flower market is very bad today. A few special American Beauty roses sold for 40 cents in the morning, but by noon they were being offered for 30 cents, with no buyers. The best carnations are being offered for two cents. Nearly every other stock is in a corresponding decline. Our market quotations are hardly a correct index to the situation, because prices are completely demoralized. The weather has moderated and conditions, so far as weather is concerned, are favorable for business, but it has not improved the situation.

## NOTES.

Herska's restaurant, 40 West Twenty-eighth street, much frequented by florists, was the scene of a serious accident February 7. During the night the pipes connecting with the hot water boiler of the range, froze up. When a fire was started in the range an explosion occurred, which seriously injured the proprietor and his wife, wrecked the kitchen and blew out the plate glass windows in front. Ex-president Traendly, of the S. A. F., had a very narrow escape from serious injury by flying glass. He had barely passed the place on his way to his store when things began to come out. Lindsey Nason, of A. L. Young Co., was in the restaurant eating breakfast. Though knocked to the floor and partially stunned, he got to his feet in time to save the proprietor's wife from being burned to death. The force of the explosion had thrown a mass of live coals on the woman's clothing. At the risk of serious injury to himself, Nason succeeded in extinguishing the fire.

Frank D. Hunter, for the past 25 years well and favorably known in the trade of this city, was knocked down and run over by an automobile just as he stepped off a Jerome avenue trolley car on the way to his home, 66 East One Hundred and Seventy-seventh street, on the evening of February 3. Mr. Hunter is 59 years old and was formerly in the wholesale

business, but for a number of years has held a confidential position with J. H. Small & Sons, the well-known retailers of this city and Washington, D. C. He is one of the many victims of a contemptible class of men and women that infest this city who manage to secure an automobile and being perfectly heartless or drunk, or both, are a menace to the lives of all who have to cross a street. Despite a long chase by the police in a taxi-cab the chauffeur managed to get away without being recognized and was last seen going in the direction of Yonkers.

Myer, of Fifty-eighth street and Madison avenue, had on February 3 the busiest day of this season, occasioned by orders from admirers of Mme. Fremstadt, a noted singer appearing at the Metropolitan opera house, for over 30 floral offerings, comprising baskets, wreaths, horse-shoes and bouquets. All the offerings were elaborately made up, gold and silver magnolia leaves being used in a number as borders. The American and Swedish colors were also prominent in the decorations. Much fine stock of orchids, gardenias and roses was used. The orders came in late and there was much hustling in the purchasing department to secure the necessary stock, but at the appointed hour Myer's automobile with a force of assistants was at the opera house door and delivered the goods.

The Greek-American Retail Association of this city gave a banquet on the night of February 3 at Healy's, Sixty-sixth street and Columbus avenue. It was in the nature of a fraternal event between the two retail associations of the city, the Greek-Americans on this occasion being the hosts. Over 100, comprising members of both associations, attended. The menu was both tempting and substantial and music was furnished by an excellent orchestra. The tables were handsomely decorated, Enchantress carnations being prominent. Much credit is due the officers and members of the Greek-American Association for the excellent management displayed.

David Clarke's Sons, 2139-2141 Broadway, executed several elaborate wedding decorations on February 2. The bridal bouquets were noteworthy features. The old-fashioned bouquet holders are again in use, but of finer workmanship than formerly. In the events mentioned the holders were of fine chiffon with lace borders; the bouquets were of White Killarney roses and forget-me-nots, with a shower. It is a very dull day when this firm has not something on hand in the way of a decoration.

Miss Elfrida S. Horn, for a number of years well known in the retail trade of this city as an expert designer, has formed a partnership with Miss Evelyn A. Hess and they have opened a retail store at the corner of Sixtieth street and Lexington avenue, opposite Bloomingdale's big department store. Though Miss Hess is not so well known in trade as Miss Horn, she is a clever and capable young woman and we predict that their venture will be successful.

Anton C. Zvolanek of Boundbrook, N. J., who has been in California for the past six weeks looking after his sweet pea interests, has returned and was in this market last week. He looks prosperous and robust and reports the sweet pea situation as very encouraging.

Mrs. A. Millang, mother of the well known Millang family of wholesalers, is in Flushing hospital under treatment for injuries received from a bad fall. Mrs. Millang is 80 years old, but it is believed that her robust consti-

tution will contribute to speedy recovery.

It is rumored that, on account of impending changes and improvements in Twenty-eighth street, several wholesalers have been served with notices to move by May 1. This is in line with previous announcements in these columns.

It is understood that the next meeting of the Florists' Club, February 14, ladies' night and carnation night, will be a very interesting event. John B. Nugent, Jr., says so, and he is reliable and a good entertainer.

John I. Raynor is receiving heavy shipments of good stock, but he is not particularly well pleased with this brand of weather.

Schloss Bros., dealers in ribbons, are manufacturing a fine line of the bouquet holders previously referred to.

## Buffalo.

## BUSINESS GOOD.

The weather has been fair and trade good the past week and all is activity preceding Lent. Weddings have been numerous with work for all. Several pre-lenten receptions have taken place. Stock is good and equal to all demands with the exception of Killarney and Bon Silene roses. For Sunday we had the coldest of any day this winter, which made it hard to deliver stock safely. Funeral work has kept all busy.

## NOTES.

The Florists' Club held its nomination for officers last Tuesday evening when the following were nominated: For president: W. J. Palmer, Jos. Streit, W. H. Grever. For vice-president: Geo. McClure, Jr., C. T. Guenther. For secretary: Wm. Legg. For financial secretary: Jerome Deutcher, who was highly recommended by E. C. Brucker, who could not longer accept the office, 10 years being his limit. For treasurer: Chas. Sandiford, Otto Gillis and Wallace Eiss.

S. A. Anderson, his wife and boys, are enjoying a trip down in North Carolina. S. A. has made extensive improvements by taking the upstairs in his building for an office, thereby giving considerable additional room in the store.

We are pleased to hear that R. A. Scott is about again after his illness.

## BISON

CUMBERLAND, MD.—Elmer Bendle formerly with John A. Bopps, has secured a position in Pittsburgh and left for that city January 31.

FAR ROCKAWAY, N. Y.—Wm. Scully, bookkeeper at John F. Marsden's greenhouses, fell through an open hatchway into the cellar recently. He received a bad shaking up but, fortunately escaped serious injury.

POUGHKEEPSIE, N. Y.—The Dutchess County Horticultural Society held its annual banquet at the Nelson house January 26. It was largely attended and was one of the most successful dinners in the history of the society.

WAYNESBORO, PA.—Peter Olson of the Chicago Carnation Co., Joliet, Ill., made a flying trip recently to Henry Eichholz's to inspect his new carnation, Washington, and the other seedlings.

PORTLAND, ORE.—A consignment of roses from Japan has arrived here. They are apresent from the people of Yokohama to the city and will be planted in the parks and squares on rose planting day, February 22. Many other nations have sent or will send trees through their individual consuls. Luther Burbank will be a guest at the festival.



1887

Telephone 167 Madison Square.

1910

**J. K. ALLEN,****Wholesale Commission Florist,**  
Established 1887.

106 West 28th Street,

NEW YORK CITY.

Open the year around to receive shipments of Cut Flowers.

Open Every Morning at 6 a. m.

Prompt Returns To Shippers

**Traendly & Schenck,**

WHOLESALE FLORISTS,

44 WEST 28th STREET.  
Phones, 798 and 799.

NEW YORK.

**CHARLES MILLANG** Wholesale  
FloristOn the ground floor of New York Cut Flower Co.  
and Cut Flower Exchange,26th Street and 6th Avenue and **NEW YORK**  
444 6th Avenue,

Open from 6 a.m. to 6 p.m. The "Hub" of the Wholesale District.

**Young & Nugent,**

Telephone 2065-2066 Madison Square.

42 West 28th Street,  
To out-of-town florists**New York**

We are in the Heart of

And give special attention to steamer and Theater orders. Prompt  
deliveries and best stock in the market.**Alexander J. Guttman,**  
**THE WHOLESALE FLORIST OF NEW YORK**  
34 WEST 28th STREET  
PHONES, 1664-1665 MADISON SQUARE  
**ENOUGH SAID****Moore, Hentz  
& Nash,**

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756  
Madison Square.

NEW YORK.

Mention the American Florist when writing

**Wholesale Flower Markets**

| NEW YORK, Feb. 9                  |             |
|-----------------------------------|-------------|
| Roses, Beauty, special.....       | 30 00@40 00 |
| "    fancy.....                   | 20 00@5 00  |
| Bride, Bridesmaid, special.....   | 10 00@12 00 |
| "    extra and fancy.....         | 6 00@8 00   |
| No 1 and No 2.....                | 3 00@5 00   |
| Killarney, special.....           | 12 00@15 00 |
| "    extra and fancy.....         | 8 00@10 00  |
| "    No.1 and No. 2.....          | 3 00@5 00   |
| My Maryland.....                  | 4 00@15 00  |
| Richmond.....                     | 3 00@15 00  |
| Carnations.....                   | 1 00@3 00   |
| Callas.....per doz., 1 00@1 25    |             |
| Cattleyas.....                    | 40 00@60 00 |
| Gardenias.....per doz., 2 00@4 00 |             |
| Hyacinths.....                    | 1 00@1 50   |
| Lilium Longiflorum.....           | 6 00@8 00   |
| Lily of the Valley.....           | 1 00@4 00   |
| Mignonette.....per doz., 50@1 00  |             |
| Narcissus Paper White.....        | 1 00@2 00   |
| "    Yellow.....                  | 1 50@4 00   |
| Sweet Peas, per doz, bunches..... | 75@1 50     |
| Tulips.....                       | 1 50@4 00   |
| Violets.....                      | 25@60       |

| BUFFALO, Feb. 9.                     |             |
|--------------------------------------|-------------|
| Roses, Beauty, special.....          | 5 00        |
| "    fancy.....                      | 4 00        |
| "    extra.....                      | 3 00        |
| Bride, Maid, Killarney.....          | 4 00@15 00  |
| Carnations.....                      | 2 00@4 00   |
| Daffodils.....                       | 3 00@5 00   |
| Daisies.....                         | 1 00@1 50   |
| Hyacinths, Romans.....               | 3 00@4 00   |
| Lilium Longiflorum.....              | 12 00@15 00 |
| Lily of the Valley.....              | 4 00@5 00   |
| Mignonette.....                      | 3 00@5 00   |
| Narcissus.....                       | 2 00@3 00   |
| Stevia.....                          | 1 00@1 25   |
| Sweet Peas.....                      | 5 00@1 00   |
| Tulips.....                          | 3 00@5 00   |
| Violets, double.....                 | 75@1 00     |
| Adiantum.....                        | 75@1 50     |
| Asparagus.....bunch.....             | 25 00@50 00 |
| Asp. Plumosus strings.....each.....  | 40@50       |
| Ferns.....per 1000.....              | 2 00        |
| Galax, Green or Bronze per 1000..... | 1 50        |
| Smilax strings.....                  | 15 00       |

**August Millang**

WHOLESALE FLORIST

41 W. 28th St., NEW YORK

**N. Y. Cut Flower Exchange**

Coogan Bldg., 6th Ave. &amp; W. 26th St., New York.

Open for Cut Flower Sales at 6  
o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

**V. S. DORVAL** Secretary.WESTBROOK, ME.—Nathaniel W.  
Hanford will discontinue his store at  
the west end of the city and locate in  
Portland street, Portland.**HORACE E. FROMENT**

WHOLESALE COMMISSION

American Beauty Roses a specialty. Roses,  
Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.

Mention the American Florist when writing

**Walter F. Sheridan**

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

39 West 28th St., NEW YORK.

Mention the American Florist when writing

—FLOWERS SHIPPED BY—

**JOHN I. RAYNOR**Are the best product of the best growers  
for the New York market.

Adiantum Croweanum sold here exclusively.

49 West 28th St., NEW YORK

Telephone 1998 Madison Square.

**KESSLER BROS.**

50 W. 28th St., NEW YORK.

CUT FLOWERS

Wholesale Plantmen and Florists.

Phone 2336 Madison Shipments Everywhere.

Prompt and satisfactory. Consignments solicited.

Mention the American Florist when writing

**FORD BROS.,**

Receivers and Shippers of

**Fresh Flowers**

48 West 28th St., NEW YORK.

Telephone 3870-3871 Madison Square.

**ALFRED H. LANGJAHR**

WHOLESALE FLORIST,

55 W. 28th Street, NEW YORK.

All flowers in season. Consignments of first-  
class stock solicited.

Telephones 4626 and 4627 Madison Square.

Give us a  
Trial.  
We can  
Please you.Roses, Carnations and all kinds of  
Seasonable Flowers in Stock.**WM. F. KASTING CO.** Wholesale  
Commission  
Florists.  
**BUFFALO, N. Y.**  
Florists' Supplies and Wire Designs.

Mention the American Florist when writing

**B. S. Slinn, Jr.**

WHOLESALE FLORIST

55 and 57 W. 26th St., NEW YORK

Telephones: 4620 4621 3864 Madison Sq.

**VIOLETS** CARNATIONS  
AND ROSES

Shipping Orders Receive Prompt Attention.

ELMHURST, N. Y.—Since the retire-  
ment of his father some two years  
ago, Gustave C. C. Schrader has had  
control of his glass and now has in  
all over 40,000 square feet, all devoted  
to high-class greens, such as smilax,  
asparagus and adiantum.



# Greens! Greens! Greens!

**Boxwood**, per case, 50 lbs., \$6.00; 100 lbs., \$11.00  
**Leucothoe Sprays**, per 100, 50c; per 1000, \$4.00.  
**Galax**, green and bronze, per 1000, 75c; per case 10 000, \$6.00.  
**Wild Smilax**, per 50-lb. case, \$5.00; 2 case lots, \$9.00. 4 case lots, \$16.  
**Smilax**, per dozen strings, \$1.50.  
**Fancy Eastern Ferns**, per 1000, \$1.75; 5,000 lots, \$8.00.  
**Green Sheet Moss**, per bundle, \$1.00.  
**Sphagnum Moss**, per bundle, \$1.00.

## William Murphy,

Wholesale Commission Florist.

L. D. Phone 311 Main St., Cincinnati, O.  
M 980.

## Galax and Leucothoe Sprays

Quality counts and we have it. A trial order will convince you. New field. No competition: 15 years' experience. Everything shipped under positive guarantee. Prices as follows: **Galax**, Green or Bronze, 50c per 1000 **Leucothoe Sprays**, Green, 2 feet and up, long, \$2.50 per 100 **Leucothoe Sprays**, Green, 16 inches and up to 2 feet, \$1.50 per 100. **Leucothoe Sprays**, Bronze, good lengths, \$4.00 per 1000. Reasonable discount on large orders.

## The Tuckaseegee Evergreen Co.

SYLVA, N. C.

## George Cotsonas & Co.

Wholesale and Retail Dealers  
in all kinds of  
**Evergreen**

Fancy and Dagger  
Ferns, Bronze and  
Green Galax,  
Phone 1202 Mad. Sq.

Main Store, 50 W. 28th St., NEW YORK.

## New Crop Ferns

**FANCY and DAGGER** ready May 1st.  
Special price for large orders  
Price \$1.25 per 1000.

**CALDWELL THE WOODSMAN CO.,**  
**Evergreen, Alabama**

Toronto.

TRADE FAIR.

With extremely cold weather, as low as 15° below zero, business holds up fairly well. There are a number of fairly good decorations around, but it is difficult to move plants in this weather without having more or less of them frost-bitten. The few days of sunshine we have had lately have had a good effect on stock, especially in the rose line, and, excepting American Beauties, all are more plentiful since the holidays. Richmond and Killarney are coming in fine shape and Mrs. Jardine is superb though not as plentiful as other varieties. Carnations are of exceptional quality and plentiful, the heavy supply of bulbous stock being noticeable on the sale of carnations. Violets and lily of the valley are plentiful and other varieties of flowers about equal to the demand.

NOTES.

We have been favored with a continual supply of cattleyas all season. Grobba & Wandrey have recently added an expert grower of these to their staff, and with an additional number of plants this section will soon be noted for orchids.

The bulb season is now on in full swing, with the different growers try-



FANCY.

## Henry M. Robinson & Co.

Wholesale Commission Florists.

### Cut Flowers of all kinds, Hardy Cut Evergreens and Florists' Supplies.

**Dagger and Fancy Ferns** ..... \$1.50 per 1000  
**Bronze and Green Galax** ..... \$1.00 per 1000; 8.50 per 10 000  
**Leucothoe Sprays** ..... \$1.00 per 100; \$7.50 per 1000

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays,

A large stock constantly on hand. Can fill orders at a moment's notice, Telephone or telegraph.

Telephones: 2617-2618 Main; Fort Hill 25290.  
15 Province Street and 9 Chapman Place,

**BOSTON, MASS.**



## FANCY FERNS, \$1.75 per 1000

**New Crop Galax**, Bronze or Green ..... \$1.25 per 1000; 10.000, \$7.80  
**Sphagnum Moss**, large bales ..... \$1.25; 6 bales, \$7.00. Extra fine  
**Leucothoe Sprays**, Green and Bronze ..... \$1.00 per 100; \$7.50 per 1000  
**Boxwood** ..... per bunch, 35c; 50-pound case, \$8.50

Florists in the Middle and Western States can save money by placing their orders with us, A trial order solicited.

### MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists and Florists' Supplies,

38-40 Broadway,

All phone connections.

DETROIT, MICH

## HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

### Wholesale Flower Markets

| St. Louis, Feb. 9.        |                |
|---------------------------|----------------|
| Roses, Beauty, long stems | 30 00@40 00    |
| " " medium stems          | 15 00@20 00    |
| " " short stems           | 6 00@10 00     |
| " " Bride, Bridesmaid     | 6 00@10 00     |
| " " Chatenay              | 6 00@10 00     |
| " " Killarney             | 6 00@10 00     |
| " " My Maryland           | 4 00@6 00      |
| " " Richmond              | 6 00@10 00     |
| Carnations                | 2 00           |
| " " fancy                 | 3 00@4 00      |
| Callas                    | 12 50@15 00    |
| Easter Lilies             | 12 50@15 00    |
| Hyacinths, Roman          | 1 50@2 00      |
| Jonquils                  | 3 00@4 00      |
| Narcissus                 | 2 00@2 50      |
| Sweet Peas                | 50@75          |
| Adiantum                  | 1 50           |
| Asparagus Sprengerii      | 2 00@3 00      |
| cut sprays                | 1 00@2 00      |
| Ferns, fancy              | per 1000, 2 00 |
| Smilax                    | 12 50@15 00    |

| CINCINNATI, Feb. 9.            |                |
|--------------------------------|----------------|
| Roses, Beauty                  | 2 00@6 00      |
| " " Bride, Bridesmaid          | 3 00@8 00      |
| " " Golden Gate                | 3 00@8 00      |
| " " Killarney                  | 4 00@10 00     |
| " " Killarney                  | 4 00@10 00     |
| " " Richmond                   | 4 00@10 00     |
| Carnations                     | 2 00@3 00      |
| Callas                         | 12 50          |
| Hyacinths, Roman               | 3 00           |
| Lilium Longiflorum             | 15 00          |
| Lily of the Valley             | 4 00           |
| Narcissus, Paper White         | 3 00           |
| Violets, single and double     | 1 00@1 50      |
| Adiantum                       | 1 00@1 50      |
| Asparagus Sprengerii, per bch. | 25             |
| Ferns, Eastern                 | per 1000, 1 50 |
| Galax, Bronze                  | per 1000, 1 25 |
| Smilax                         | 12 50@20 00    |

| MILWAUKEE, Feb. 9.     |                |
|------------------------|----------------|
| Roses, Beauty          | 1 50@6 00      |
| " " Bride Bridesmaid   | 5 00@12 00     |
| " " Killarney          | 5 00@15 00     |
| " " Liberty, Chatenay  | 2 00@8 00      |
| " " Perle              | 4 00@10 00     |
| " " Richmond           | 4 00@10 00     |
| Carnations             | 1 50@4 00      |
| Lilium Giganteum       | 15 00          |
| Lilium Longiflorum     | 15 00          |
| Lily of the Valley     | 3 00@4 00      |
| Narcissus, Paper White | 3 00           |
| " " Trumpet-Major      | 3 00@4 00      |
| Sweet Peas             | 75@1 00        |
| Violets                | 75@1 00        |
| Adiantum               | 1 50           |
| Asparagus              | per string, 50 |
| " Plumosus, per bunch  | 35             |
| " Sprengerii           | 35             |
| Ferns, Fancy           | per 1000 2 00  |

## C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Mention the American Florist when writing

## WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Both L. D. Phones.

Supplies and Everything in Season always on hand

Mention the American Florist when writing

## H. G. BERNING,

Wholesale Florist,

1402 Pine St. ST. LOUIS, MO.

Perpetuated and Natural Sheet

## MOSSSES

Southern Wild Smilax:

E. A. BEAVEN, Evergreen, Ala.

ing to undersell each other, which brings joy to the retailers. Daffodils are already being sold as low as 25 cents per dozen in the cheaper stores. The Steele-Briggs Seed Co. has had a nice lot of Lilium Harrisii which found a good sale; at the greenhouses they have a splendid lot of their seedling Primula obconica, which is finely flowered with very large trusses.

H. G. D.



# DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

**Alexander McConnell,**

571 Fifth Ave., Windsor Arcade,  
NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL  
Western Union Code.

Cleveland, O.

**The Cleveland Cut Flower Co.**

Will fill your orders for designs and cut flowers in  
NORTHERN OHIO.

Dayton, O.

**Matthews,**

—FLORIST—

16 W. 3rd Street.

Flowers in any arrangement for all occasions,  
for Dayton and vicinity. Long dis. Phones

St. Paul, Minn.

**HOLM & OLSON,  
ST. PAUL.**

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in  
MINNESOTA AND THE DAKOTAS.

Los Angeles, Calif.

**J. W. Wolfskill,  
FLORIST.**

Telegraph Orders  
A Specialty. 218 W. 4th St.

St. Paul, Minn.

**L. L. MAY & CO.**

Order your flowers for delivery  
in this section from the

Leading Florists of the Northwest

San Francisco, Calif.

**J. B. BOLAND**

Successor to Sievers and Boland  
FLORIST

60 KEARNEY STREET.

Atlanta, Ga.

**Atlanta Floral Co.**

41 Peachtree Street.

Pittsburg, Pa.

H. L. BLIND & BROS.,

Two Stores: Liberty Av. & 5th St., 5424 Center Av.  
Greenhouses: West View.

New York.

Established 1874.

**DARDS**

N. E. Corner 44th St.  
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

New York.

Established 1849

**David Clarke's Sons**

FLORAL DECORATORS

2139-2141 Broadway

Telephones: 1552-1553 Columbus. Choice Cut Flowers

Wichita, Kans.

Improved weather conditions for the past two weeks have made a noticeable improvement in the quality and quantity of stock produced locally. However, trade conditions have not shown so marked a change; while there is always something doing, the volume of business has not been out of the ordinary, except in a very few instances. Social functions have been modest in their demand and the usual stiff run of funeral work for January was hardly a reality this month. Still it is altogether likely that the total of business done will equal that of any past January. McKinley day was much more generally observed than last year and the demand for carnations thoroughly cleaned up the town by 4 p. m., even short stem culis selling for a nickel in the final clean-up. There was no advance in prices on regular grades, in fact, in order to have plenty for the popular demand for a five-cent flower for the coat, a good many were sold singly at that price that ordinarily bring 75 cents per dozen when boxed, furnished with extra green and delivered in the usual way. Hence there was no kicking on prices, and if McKinley day dies out it will not be because high prices killed the trade.

M. Sourdry, of Sourdry Bros., Girard, was visiting the florists and lettuce growers in this vicinity early last week. They have about 200,000 feet of glass devoted to carnations and lettuce. Mr. Sourdry states that the season so far has been very satisfactory, and that their entire output keeps cleaned up at wholesale.

A look at the various establishments around town shows Easter stock in fair quantity and condition. So far lilies are up to schedule and under favorable conditions should strike about right.

Chas. P. Mueller is cutting, on an average, about 500 carnations a day and the plants are in fine order.

W. I. CHITA.

GREENSPRING, O.—A fire, supposed to have originated from the heating apparatus, considerably damaged the Unser greenhouses and stock before being got under control by the fire department January 27. The greenhouses will be repaired at once. The loss is covered by insurance.

Detroit, Mich.

**John Breitmeyer's Sons**

Corner Miami and Gratiot Avenues.

Artistic Designs.  
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Kansas City, Mo.

Geo. M. Kellogg Flower and Plant Co.,  
906 GRAND AVE.

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

Terre Haute, Ind.

**John G. Heinel & Son,**

129 South Seventh St.

Telephone 247.

We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

Pittsburg, Pa.

**A. W. SMITH CO.**

KEENAN BLDG.

Largest Floral Establishment in America  
Established 1874. Incorporated 1909.

Rochester, N. Y.

**J.B. KELLER SONS,**

FLORISTS.

25 Clinton Avenue, N.

Rochester Phone 506. Long Dis. Bell Phone 3189

*M.A. Rowe*

IN HEART OF NEW YORK CITY

Phone 2270 38th St. 1294 Broadway  
Our Motto—THE GOLDEN RULE

Evansville, Ind.

—THE—

**Wm. Blackman Floral Co.**

402 MAIN STREET

Prompt attention given to all mail, telephone and telegraph orders.

Louisville, Ky.

Established 1880.

**M. D. REIMERS**

'Successor to Chas' W. Reimers.

.....329 Fourth Avenue



# DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

New York.

**The Flower Shop**

136 W. 42nd St. Phone 259 Bryant.  
Near Knickerbocker Hotel.

Finest quality of Roses, Orchids, Gardenias, etc.  
Particular attention paid to Steamer and Hotel orders.

Boston, Mass.

Send flower orders for delivery in

**Boston and all  
New England Points**

To THOS. F. GALVIN, Inc.,  
124 TREMONT ST.

THE J. M. GASSER COMPANY,

**CLEVELAND, O.**

We Cover All Points in Ohio.

St. Louis, Mo.

Write, Wire or Phone Your Orders to

**YOUNGS**

1406 Olive Street,

Regular discount allowed on all orders, either  
Plants or Cut Flowers,  
Phones Bell, Main 2306, Kinloch, Central 4981

Kansas City, Mo.

**Samuel Murray**

.... FLORIST.....

1017 Broadway

Coates House  
Conservatory

Both Phones 2670 Main.

Write, Telephone All orders given prompt  
or Telegraph attention

New York.

We Guarantee Satisfaction.

**A. J. Bunyard**

413 Madison Ave. cor. 48th St.

Colorado Springs, Colo.

**FRANK F. CRUMP,**

Wholesale and Retail Florist.

MICHIGAN.

Orders will be carefully  
cared for by

**HENRY SMITH,**

Wholesale and Retail Florist of GRAND RAPIDS

Oklahoma City, Okla.

Trade is fine here and promises to continue brisk owing to so many social functions. Cut flowers especially look promising and general business also. All the retailers sold out of carnations on McKinley day.

B. Angel now has charge of the flower department at Mellon's, the largest department store here.

Furrow & Co. of Guthrie have opened a nursery on West Main street.

A.

RED BANK, N. J.—Wm. Mears has enlarged his greenhouses and built a residence for his gardener.

Kansas City, Mo.

**WILLIAM L. ROCK,  
Flower Co.,**

Will carefully execute orders for  
Kansas City and any town in

Missouri, Kansas or Oklahoma.

Cincinnati.

STOCK STILL SCARCE.

Business is all that can be expected and a scarcity of stock prevails accordingly. Flowers of all kinds are bringing good prices and everything in the cut flower line is selling. Orders for roses have to be placed in advance, as everything in this line is bought up as soon as it reaches the wholesale houses. Carnations, however, are holding their own, as they usually do at this season of the year. There is just about enough bulbous stock to go around and tulips have been added to the list of offerings. Lily of the valley is in good demand and moves well at quoted prices. Violets, both single and double, are of exceptionally fine quality and prices are about the average for the season. Callas and Lilium Harrisii are taken freely when of good quality and the same may be said of green goods of all descriptions.

NOTES.

A well-attended meeting of the Florists' Society was held at the Sinton hotel on Monday evening, February 7. The committee on revision of by-laws brought in its report, which was adopted. Those who were fortunate enough to attend the meeting of the American Carnation Society gave a little talk on what they saw at Pittsburgh and all report having had a delightful time and praised the hospitality of the Pittsburgh florists.

The bowlers come together again next Monday night at Wielert's alleys. That 225 score has been tied but not broken, and Al. Heckman says he is going to beat it at the next meeting. Hope so, "Heck, old boy!" Henry Schwarz and Aleck Ostendorp say it takes Wurzbarger to make one roll a good score.

C. C. Murphy has decided to hold his new red carnation another year before sending it out to the trade. C. C. has a good thing in this new variety and when he gets ready to disseminate it carnation growers can buy liberally, for they can take it from the writer that they are not going to get stung.

J. A. Peterson is well satisfied with the way the trade is taking to his new begonia, Glory of Cincinnati. He has a pocketful of letters from the leading florists of the country who compliment him on his new acquisition.

F. W. Ball, the wire design man, has the sympathy of the craft in the death of his grandmother.

Visitors: F. J. Farney, representing M. Rice & Co., and Martin Reukauf, representing H. Bayersdorfer, of Philadelphia; M. Shattls, Chicago.

S.

BEVERLY, MASS.—The North Shore Ferneries Co. has been incorporated with a capital stock of \$5,000.

Brooklyn, New York.

**"WILSON"**

3 and 5 Greene Ave. and 339 to 347 Greene Ave.  
Greenhouses: Short Hills, N. J.

— Deliveries in —

NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

New York.

**MYER, FLORIST,**

609-611 Madison Ave.

Phone 5297 Plaza.

Indianapolis, Ind.

**Bertermann Bros. Co.**

**FLORISTS**

.....241 Massachusetts Ave.

Omaha, Neb.

**Hess & Swoboda,**

**FLORISTS,**

1415 Farnum St.

TELEPHONES  
1501 and L 1553

Denver, Colo.

**The Park  
....Floral Co.**

J. A. VALENTINE, President.

Denver, Colo.

**FLORAL DESIGNS AND FLOWERS**

Best Quality on Shortest Notice

**DANIELS & FISHER**

Order by mail, telephone, telegraph or  
cable. Cable address "Daniels, Denver"

Toronto, Can.

Canada's best known and most reliable florist

**Only  
the  
Best  
Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee  
safe arrival.



**Seattle,  
Wash.**

**L. W. McCOY**

**GEO. A. HEINL,** Leading Florist,  
TOLEDO, OHIO.  
All Orders Promptly Executed.



# DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place,  
L. D. Phone 558 Lake View.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Chicago.

## HAUSWIRTH FLORIST

Auditorium Annex.

Mail, Telegraph or Telephone Orders Filled  
Promptly in Best Style.

Cincinnati, O.

## JULIUS BAER,

138-140 E. Fourth St.  
Long Distance Phone.

New Orleans

### CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838—  
CANAL ST.

Savannah, Ga.

## JOHN WOLF,

Wholesale and Retail  
FLORIST.

Kalamazoo and  
Battle Creek, Mich.

## H. A. FISHER CO.

Wholesale and Retail Florists.

We Handle Everything in Season.

Norfolk, Va.

The establishment recently run by  
E. J. Newton is now under the control  
of his brother, Wm. J. Newton.

Grandy, the Florist, is moving to  
Tazewell street in the Colonial theater  
building.

Covey & Vansant found things too  
slow here and have moved back to  
Newport News. Since going back they  
have dissolved partnership and the  
business is run by Henry C. Vansant.  
L. G. B.

MIDDLETOWN, O.—On February 5,  
Henry Behrens and Mrs. Behrens (nee  
Vollman) celebrated their golden wedding,  
they having married on that  
date in 1860.

Washington,

D. C.

14th and N Streets.

*Blackstone*

Also

1601 Eutaw Place,

Baltimore, Md.

Lansing, Mich.

## Gurdon B. Smith

Covers all Points in Michigan. Best of  
Shipping Facilities in all Directions.  
Always has the best of Everything.

Buffalo, Niagara Falls, Lockport.

## S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled  
promptly with the choicest stock.

Anderson, S. C.

## THE ANDERSON FLORAL CO.

533 MARSHALL AVE.



February 15.

Hamburg, Ham.-Amer., 1 p. m., Hoboken  
Pier.

February 16.

Campania, Cunard, 9 a. m., Piers 51 and 52,  
North River.  
Cedric, White Star, 11 a. m., Pier 48, West  
11th St.

February 17.

La. Provence, French, 10 a. m., Pier 42,  
North River.

February 18.

FROM ST. JOHN, Tunisian, Allan.  
FROM PHILADELPHIA, Menominee, Red  
Star, 10 a. m.

February 19.

California, Anchor, 3 p. m., Pier 64, North  
River.  
St. Louis, American, 10 a. m., Piers 48 and  
49, North River.  
Caronia, Cunard, 12 noon, Piers 51 and 52,  
North River.  
Caroline, French, Pier 34, North River.  
La. Gascogne, French, Pier 42, North River.  
Baltic, White Star, 2 p. m., Pier 48, West  
11th St.  
Pennsylvania, Ham.-Amer., 2 p. m., Hobo-  
ken Pier.  
Martha Washington, Austro-Amer., 1 p. m.  
FROM PHILADELPHIA, Friesland, Ameri-  
can, 10 a. m., Pier 54.



WASHINGTON

D. C.

## Gude's

Washington, D. C.

## Geo. C. Shaffer,

== FLORIST ==

Phone 2416 Main 14th & Eye Sts., N. W.  
Write, Telegraph or Telephone.

Buffalo, N. Y.

*Palmer's* Flowers  
of Quality  
W. J. Palmer & Son,  
304 Main St.



Albany, N. Y.

## EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on  
Telegraphic Order.

11 NORTH PEARL STREET.

Milwaukee, Wis.

## C. C. Pollworth Co.

Will take proper  
care of your orders in Wisconsin.

Louisville, Ky.

## JACOB SCHULZ,

550 So. Fourth Avenue.

IF YOU SAW IT IN

## THE FLORIST

SAY SO IN YOUR NEXT ORDER.



## The Seed Trade.

### American Seed Trade Association.

J. C. Robinson, Waterloo, Neb., Pres.; M. H. Duryea, New York, First Vice Pres.; F. W. Bolgiano, Washington, D.C., Second Vice Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.; Leonard H. Vaughan, Chicago, Asst. Sec'y. Twenty-eighth annual convention, at Atlantic City, N. J. June 21, 1906.

**ASPARAGUS PLUMOSUS NANUS.**—The first early deliveries of new crop seed are now on hand.

**TUBEROSES.**—There are quite a few of these remaining in the hands of the growers in the North Carolina district.

**SENTIMENT** is divided as to whether the price of clover seed shall go up or down; but all agree as to the deep snow.

**THE Roamers' Club** of the Cannery Convention is expected to do a double turn this week at the Jewdolph hotel.

**THE** garden seed trade is good and it is more a question of where to get the supply than one of securing more orders.

**DROUGHT** exists in the southern France bulb-growing district (January 24) while in most other parts of the country there are terrible floods.

**A. BILL** has been introduced in the Ohio senate making it a misdemeanor to deliver any seed guaranteed, recommended or advertised as pure, unless the same is 98 per cent pure.

**CHICAGO.**—Contract prices on the board of trade February 9 for grass seed were noted as follows: Timothy, \$4.25. White clover, from 20 cents to 25 cents.—Visitors: L. W. Wheeler, growers' representative; L. M. Kimberlin, Santa Clara, Calif.

### The Proposed Pure Seed Act.

The proposed pure seed act, reproduced in **THE AMERICAN FLORIST** of January 29, page 31, was discussed at the La Salle hotel, Chicago, February 9, by representatives of the American Seed Trade Association, the Wholesale Seedsmen's League and the Wholesale Grass Seed Dealers' Association, including Chas. M. Dickinson, C. D. Boyles, Geo. S. Green, W. W. Barnard, S. F. Leonard and J. C. Vaughan, Chicago, J. Chas. McCullough and Albert McCullough, Cincinnati, O., J. C. Robinson, Waterloo, Neb., Chas. N. Page, Des Moines, Ia., C. F. Wood, Louisville, Ky., J. G.

Peppard, Jr., Kansas City, Mo., Kirby B. White, Detroit, Mich., D. I. Bushnell, St. Louis, Mo., and C. S. Burge, Toledo, O.

### Sweet Peas in California.

In answer to a request for a few particulars of his California trip, Anton C. Zvolanek, of Boundbrook, N. J., says: "You ask me what I have been doing on the Pacific coast at this time of year. I must say that I did not go there on a pleasure trip, but for earnest work. As you know, for many years our specialty has been winter-flowering sweet peas, which are sold exclusively by commercial seedsmen and florists in all parts of the civilized world. Many years ago we began to give out contracts for the growing of our seed, but the results were never satisfactory. Finally, we began to raise our own seed in small quantities, contracting for only a part. While the seed of our own raising had always proved satisfactory to our customers, we regret to state that we cannot say the same for much of what was grown for us on contract. Being finally disgusted with the methods of the 'seed trust,' we secured several large tracts of the best land in California and hereafter, in addition to our specialty of seed of winter-flowering sweet peas, we will be well equipped to grow practically all kinds of flower seeds.

"In less than two months, the time which I have spent in California, we have seeded down 186 acres in sweet peas. Of this area, 65 acres are for the seed of winter flowering varieties, the remainder for seed of the summer varieties, largely the Spencer and Union types. About 15 acres have been seeded with other varieties of flower seed. In California it is difficult to secure small lots of productive land, say 100 acres, in one lot, but there are many 1,000-acre tracts to be had at very reasonable rent, in plots of from five to 50 acres, therefore our fields are scattered over many miles of country. On the whole, I think this is a good thing for us. By seeding varieties, miles apart, we avoid the dangers of mixing seed. For instance: we have one 25-acre tract, miles from any other, seeded entirely to the variety Nora Unwin. I feel sure that these will remain true. Our California seed growing will be conducted by my sons, who thoroughly understand it and are anxious to do business on their own account.

From start to finish, my trip was very successful. I met many old

friends and made many new ones. William N. Campbell, formerly of Vaughan's Seed Store, now conducts a very attractive seed store in Pasadena. In his company we visited the famous farm of Rudolph Fischer, where many acres of the noted free-sia, Purity, are cultivated. We did not forget to visit our old friend Edwin Lonsdale, now in charge of the Burpee seed farm. The winter weather has been ideal, with only a few light frosts, the lowest temperature being 29°. Roses, carnations, sweet peas and poinsettias have been flowering in the open and in many places without any covering. In some instances cheese-cloth is sufficiently heavy for covering in the nights that are considered cold for southern California."

### New Kind of Corn From China.

A small lot of shelled corn, of a kind that is new to this country, was sent to the Department of Agriculture from Shanghai, China, in 1908, and tested the same season. It proved to have qualities that may make it valuable in breeding a corn adapted to the hot and dry conditions of the southwest. The plants raised in the test averaged less than six feet in height, with an average of 12 green leaves at the time of tasseling. The ears averaged 5½ inches in length and 4½ inches in greatest circumference, with 16 to 18 rows of small grains. On the upper part of the plant the leaves are all on one side of the stalk, instead of being arranged in two rows on opposite sides. Besides this, the upper leaves stand erect, instead of drooping, and the tips of the leaves are therefore above the top of the tassel. The silks of the ear are produced at the point where the leaf blade is joined to the leaf sheath, and they appear before there is any sign of an ear except a slight swelling.

This corn is very different from any that is now produced in America. Its peculiar value is that the erect arrangement of the leaves on one side of the stalk and the appearance of the silks in the angle where the leaf blade joins the sheath offer a protected place in which pollen can settle and fertilize the silks before the latter are exposed to the air. This is an excellent arrangement for preventing the drying out of the silks before pollination. While this corn may be of little value itself, it is likely that, by cross-breeding, these desirable qualities can be imparted to a larger corn, which will thus be better adapted to the southwest.

The discovery of this peculiar corn in China suggests anew the idea that, although America is the original home of corn, yet it may by some means have been taken to the eastern hemisphere long before the discovery of America by Columbus. From descriptions in Chinese literature corn is known to have been established in China within less than a century after the voyage of Columbus. But this seems a short time for any plant to have become widely known and used. Besides, this particular corn is so different from anything in the new world that is must have been developed in the old world, and for that to happen in a natural way would take a very long time. These ideas are brought out in Bulletin 161 of the Bureau of Plant Industry, which gives also an account of some cross-breeding experiments with the new corn and the changes which crossing produces in the grains the same season.

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**C A B B A G E**  
LILY OF THE VALLEY PIPS  
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### Soya Bean Utilization.

Oil millers of Liverpool are disposed to regard the products of the soya bean as additional articles of trade and not as competing to replace the manufactures of cotton seed, according to a report transmitted by Consul Horace Lee Washington, of that city. The consul adds: "The first complete cargo of soya beans that arrived in the United Kingdom reached Liverpool February 14, 1909, and the interest in this new industry has grown apace since then, experiments being made in various other parts of England as well as in Liverpool that range from a blend of soya flour, made by an expert Liverpool baker with flour and with meal, about one-fifth for mixing with flour and one-sixth for meal, to a soya dog biscuit.

"The blending of soya flour above referred to is desirable by reason of its demonstrated food value. In albuminoids soya beans are stated to be nearly three times as rich as oats and wheat and possessed of more fiber and ash. A few German millers are reported to have mixed soya and rye flour in experiments in the making of the black bread of that country, and local millers here are experimenting with a blend to improve their brown bread. A vegetable cheese is known to be produced from the caseine that the bean contains, but this has not advanced from the experimental to the commercial stage. It is reported that one or two important Liverpool merchants have sent their own investigators to Manchuria to study the products of that country, chiefly the soya bean. It is also stated that one of the large shipowners of Liverpool contemplates the introduction of the soya bean into west Africa, where soil and labor conditions are thought to be peculiarly favorable to the growth of good crops. This enterprise is cited as a parallel to the British cotton growing movement

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Also Beauty of Nice strains.  
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Bean, Cucumber, Tomato, Pea, Muskmelon,  
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176 First Prizes, the highest awards  
Chicago, Paris, London, Dusseldorf  
1000 seeds, finest mixed... 25c  
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Price list on application. Cash with order.

at its inception, and some measure of the same success is confidently predicted for it."—Consular Trade Reports.

### Imports.

During the week ending February 5 imports were received at New York as follows:

McHutchison & Co., 146 cases plants.  
P. Ouwerkerk, 80 pkgs. trees.  
Morris & Wellington, 7 cases trees.  
Schulz & Ruckgaber, 250 bags seed.  
P. Henderson & Co., 94 bags seed.  
H. F. Darrow, 165 bags, 2 cases seed.  
J. M. Thorburn & Co., 148 bags seed.  
J. Fuller, 20 bags seed.  
F. R. Pierson & Co., 20 cases valley.  
Vaughan Seed Store, three cases bulbs, one case seed.

To others, 295 cases plants, 76 cases trees, 50 cases valley, two cases bulbs, 2185 bags, 115 cases, 46 pkgs., 42 bls. seed, 1233 bags clover seed.

### Sugar Content of Sweet Corn.

Studies of sweet corn have shown that it makes little difference whether the corn is grown in a northern or a southern latitude, so far as the sugar content is concerned, although the northern-grown "roasting ears" may have greater tenderness and a longer season.—Dept. of Agriculture Report for 1909.

## ASPARAGUS

Sprengeri, per 1000 seeds ..... 75c

### PETUNIA

Large flowering, double fringed, trade pkt .. 1 00  
Large flowering, single fringed, trade pkt .. 50  
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**SALVIA Zurich**, oz..... 5 00  
**Triumph**, oz..... 5 00

**MOONFLOWER, White Seed** ..... 35

### FRESH TOBACCO STEMS.

Bale of 300 lbs., \$1.75; ton, \$9.00.

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Specialties: Stock, Pansies, Cyclamen, etc.,  
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## Fine Aster Seed

Catalogue Now Ready.

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### Catalogues Received.

Montarioso Nursery, Santa Barbara, Calif., nursery stock; Chase Nursery Co., Huntsville, Ala., nursery stock; F. A. Miller, Fruitvale, Calif., tree and shrub seeds; Holm & Olson, St. Paul, Minn., holiday price list; Geo. Wittbold Co., Chicago, holiday price list; Winterson's Seed Store, Chicago, holiday price list; Barteldes Seed Co., Denver, Colo., holiday price list.



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| New or Rare Varieties           | 2.00     | 15.00   |
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For the most complete list of Seasonable  
Bulbs, such as

**Tuberous Rooted Begonias, Etc.**

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### Disease Among Gladioli.

I never had any trouble with gladioli until this year, when I found that a good portion of the stock I obtained from the east (and this includes the "west" as far as Colorado, for they are all east of us), either entirely failed to start growth, or else died before reaching the blooming stage. I found that some succumbed even during the period of inflorescence. Where the plants were above ground, I noticed that the leaves or stalks, or both, would turn yellow and soon rot near the ground. Investigation below the surface of the soil revealed the fact that the bulb or corm, was in a bad state of decay. I am told that this is the "black rot," though I think it should be called the brown rot, as the color is more brown than black.

In one grower's stock I bought, I noticed that there were many corms more or less decayed; I did not think much of it at the time, though I discarded all corms that showed much deterioration. If I knew as much about the disease then as I do now, I should never have accepted the consignment. This was not the only lot I received in such condition; some of another lot were slightly affected too.

One corm seemed so bad when I received it that I at once planted it in a select situation, in hopes that I would save it. It grew well and flowered; toward the end it showed some yellow, but not enough to show that it was badly diseased. The fact is that it seemed to be affected in a different way from almost any other gladiolus I ever saw. The white spots do not occur in the others. It is probable that some white fungus growth developed. Whether this is beneficial or not I know not. Otherwise, the inroad of the disease is similar to those I found in all other corms.

Some state that it is best to refrain from planting gladioli in land that has been recently manured with fresh manure. Mine were not so planted;

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neither were they fertilized in any way. One eastern grower wrote me that he attributed the prevalence of this disease to the large amount of commercial fertilizers some growers use to produce large corms. I found that the large corms seemed to fare the worst. It is for this reason, and the further one of beating the outrageously high express charges we of this coast have to pay on goods we get from the east, that I am now getting nothing but very small-sized stock from eastern growers. Then, it is easier to try to stamp out disease germs in small bulbs than in the larger stock. We are told that the same solution that is used to destroy potato scab will kill the black-rot microbe, or whatever it is. I have not yet tried it, but I shall see that all stock hereafter is so treated before it goes into the ground. Last year some of my high-priced stock that I purchased in New York, Chicago, Philadelphia and elsewhere, never reached the blooming stage on account of the inroads of this scourge to the gladiolus grower.

I understand that the bureau of plant industry, at the station maintained in connection with the experiment station at Cornell University, Ithaca, is investigating the disease of the plant in question, and I hope it will not be long before a means is discovered to combat easily and successfully the further inroads of this enemy.—**W. A. Pryal, Oakland, Calif.,** in *Rural New Yorker*, November 20, 1909.

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The mind staggers at the suggestion of calculating the number of seeds there would be in these 29,890 sacks. Only scientists who count the germs in a drop of water or the microbes in a fly's track would be equal to it. Certainly if all the seeds were planted and germinated into crops there would be potatoes, beets, turnips and squash to make the tables of horticultural constituents groan with plenty, while morning glories would run riot over their porches, and their gardens would blaze with geraniums and smell swooningly of sweet williams, carnations and climbing roses. It would make a remarkable difference in the cost of living to everybody, of course, for not only would the seed growers supply and decorate their own tables, but constituents not favored with seeds would profit by the reduced demand for the stocks of the grocer and the florist.



### Reasons for Joining The Rose Society.

A paper read by Adolph Farenwald, Roslyn, Pa., before the Florists' Club of Philadelphia at its monthly meeting, February 1, 1910.

I have often wondered why so many small rose growers give the American Rose Society the cold shoulder while the large rose growers all seem to be members. Why should this be so? Have the small growers no benefit to expect as a member of the American Rose Society, or are they prejudiced against it? Surely there is no cause for either of these reasons. The most of them have not come near enough to see and understand. It is time then that they make an earnest effort to do so and, by doing so, they will soon recognize the value of this organization in the many tasks which it endeavors to fulfill, every one being of vital interest to every rose grower. As I said before, the large growers are all members. Did you ever stop to think why they are? Surely not for the fun of it. They are all too shrewd business men. The money they invest this way must bring them some interest. "Light your pipe," as they say, and think this over—it is worth while. It is high time that we, as rose growers, took notice that the carnation is pushing the rose into second place in the favor of the public.

It is impossible for me, in this short paper, to go into all the different subjects of usefulness of the American Rose Society, to pluck them apart and hold them up to the searchlight. I will merely confine myself to the yearly exhibition and convention, their value as an education and inspiration. On March 16, 1910, the yearly exhibition and convention will be held in New York. Now, fellow members: This gives you a fine opportunity to realize the value of such an exhibition as an education and inspiration. Most of us think we grow better roses than the other fellow. An exhibition will open our eyes. Roses that at home we thought wonderful often diminish decidedly in our estimation when placed in competition with others. Here is the education if we want to see it. We are in this business for money. If our roses are not up to the standard, we will not realize on them as we should. This may be a bitter pill to swallow, but it should be the inspiration for a greater and continued effort, which will easily pay in the future for the little time and money expended.

At the exhibition, we shall also have an opportunity to see, along side of the old standards, the new varieties. The originators of these new varieties are sure to be at hand, each man eager to explain the strong points of his particular favorite; his rival only too eager to point out the flaws. There, too, you will see many of the brightest lights in the rose growing profession, from whom you can get valuable pointers. You have also the great pleasure of meeting old friends. Besides, the social side of these gatherings have a charm which no one who has ever attended can forget.

While we can read, in our trade papers, the essays read at the convention meetings, yet we miss the after discussions and criticisms, which are a most important and essential part of such meetings. Then, too, the enthusiastic arguments of some mem-

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| RED-FLOWERING CANNAS.                      | 100    | 1000    | YELLOW SHADES.                         | 100    | 1000    |
|--------------------------------------------|--------|---------|----------------------------------------|--------|---------|
| Louisiana, 7 ft.....                       | \$1.75 | \$15.00 | Buttercup, 3 1/2 ft.....               | \$1.75 | \$15.00 |
| Alice Roosevelt, 4 ft.....                 | 3.00   | 25.00   | C. de Bouchard, 4 1/2 ft....           | 2.00   | 17.50   |
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| Black Prince, 3 to 4 ft....                | 2.25   | 20.00   | Richard Wallace, 4 1/2 ft....          | 2.75   | 25.00   |
| Chas. Henderson, 4 ft....                  | 1.75   | 15.00   | <b>WHITE AND CREAM SHADES.</b>         |        |         |
| Crimson Berrier, 3 ft.....                 | 2.00   | 17.50   | Alsace, 3 1/2 ft.....                  | 1.75   | 15.00   |
| D. of Marlborough, 4 1/2 ft.               | 1.75   | 15.00   | <b>BRONZE-LEAVED FLOWERING CANNAS.</b> |        |         |
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| Express, 2 to 2 1/2 ft.....                | 2.25   | 20.00   | David Harum, 3 1/2 ft.....             | 2.75   | 25.00   |
| Pres. McKinley, 2 1/2 to 3 ft.             | 1.50   | 14.00   | Egandale, 4 ft.....                    | 1.50   | 14.00   |
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| <b>RED, GOLD-EDGED AND SPOTTED SHADES.</b> |        |         | Leonard Vaughan, 4 1/2 ft....          | 1.75   | 15.00   |
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| Mad. Crozy, 5 1/2 ft.....                  | 2.25   | 20.00   | <b>ORCHID-FLOWERING CANNAS.</b>        |        |         |
| Premier, 2 1/2 ft.....                     | 2.00   | 17.50   | Allemania, 4 to 5 ft....               | 1.75   | 16.00   |
| S. de A. Crozy, 4 to 5 ft....              | 2.75   | 25.00   | Austria, 5 ft.....                     | 1.25   | 12.00   |
| <b>PINK SHADES.</b>                        |        |         | Italia, 4 1/2 ft.....                  | 1.75   | 15.00   |
| L. Patry, 4 1/2 ft.....                    | 1.75   | 15.00   | Kronus, 5 ft.....                      | 1.75   | 15.00   |
| Louise, 5 ft.....                          | 2.00   | 17.50   | Mrs. Kate Gray, 6 ft.....              | 1.75   | 15.00   |
| Mlle. Berat, 4 1/2 ft.....                 | 1.75   | 15.00   | Pennsylvania, 5 ft.....                | 1.75   | 15.00   |
| Tennyson, 5 1/2 ft.....                    | 2.75   | 25.00   | Wyoming, 7 ft.....                     | 2.75   | 25.00   |

Our Cannas are packed 250 in a box; two can be "cleated" together and shipped as one. One box of 250 sold at thousand rate; it is cheaper for you to buy a box than 200 at 100 rate.

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## SEEDSMAN,

342 West 14th Street. NEW YORK.

bers, the hair-splitting arguments of others, the sound advice of those who confine themselves strictly to business so that one fairly sees the dollars sticking out, all combine to make these meetings serve as food for thought for many a day thereafter. To make this Rose Society a success, it needs the interest and enthusiastic support of all rose growers, large and small, over the entire country.

Every one who grows roses for a living should feel it a sacred duty to belong to this society; in fact, every one interested in roses should belong and help bear out the motto of the society, "A rose for every home, a bush for every garden." Then, anyone growing roses for a living, who cannot, or will not, be interested in the work of this society will be the one who continuously kicks about bad times and prices, and howls about the

"good old times." He is a dead one—"Peace be to his ashes."

### Free Seeds Cause Amusement.

The annual discussion upon the free distribution of seeds by congressmen was precipitated in the house January 31 by Representative Moss of Indiana, who proposed an amendment to the agricultural bill increasing the appropriation for garden and flower seed from \$43,000 to \$100,000, with a provision that the seed should be distributed by the secretary of agriculture. This proposition was voted down. Amusement was created by Representative Kustermann of Wisconsin, who said his constituents criticized congressmen "because their arguments would not go down and their seed would not come up."—Washington Star.



## Market Gardeners

### Greenhouse Vegetable Growers and Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President;  
Franklin DeKleine, Grand Rapids, Mich.,  
Vice-President; S. W. Severance, 508 Illi-  
nois Life Building, Louisville, Ky., Secre-  
tary; M. L. Ruetenik, Cleveland, O., Treas.

CALIFORNIA asparagus is expected about the end of the month.

### The Mid-Winter Lettuce Crop.

At this time of the year any number of growers report their crops at a standstill, which is generally evidenced by a sharp rise in the market price. We know of at least one prominent grower who claims the midwinter crop never paid him, that is, it never came in a success. With modern greenhouses such a grower admits that he does not know his business, or is too economical with coal. The latter is often the case. At this time we wish to point out a few of the troubles in order to help those who are looking for relief.

The first and most serious set back is often given the young plants when moving them from a warm plant house into a cooler growing house. Some start their seedlings on an enclosed bench with high bottom heat. Their system is one of the checks; each move means a downward one in temperature, which is wrong. We practice the opposite; our plants are grown cooler than the growing houses, or, if in the same house, we select the coolest end or corner for the plant bed. Thus started the reset plants go right to work, which is a great aid towards success.

The second trouble is either lack of food, or an oversupply. Either is serious. Well decomposed manure is generally safe at any time, but we never add chemicals at planting time. If, after 10 days or two weeks, our plants are growing vigorously we begin to feed with chemicals, using nitrate of soda and sulphate of potash, dry, between the rows. Our rule is to cultivate, then topdress, then water. Thus in another 10 days or two weeks they will be ready for a second feeding of same material. Just before the leaves lock we feed the third time, this time using soda and phosphates, either fine bone, guano or rock phosphate. Our rule for mixing these ingredients is very simple, based on experience only. We use one-half the weight of soda in sulphate of potash, or to 100 pounds of pulverized soda add 50 pounds potash. To the phosphates it is the opposite, we add one-half the weight of soda, or to 100 pounds of bone add 50 pounds of nitrate of soda. Thus when the soil activities are low we can stimulate our crops to make good time. To illustrate: We are now cutting a fine crop of lettuce, running close to one-half pound each, which was sown November 1, the first being cut February 1, while the ground used was crude yellow clay which had never been manured; by adding horse manure and feeding as above good results were obtained in a new house.

## Simon's Hot Weather Lettuce

Is the best firm heading variety offered today to grow through the summer months, because it will not rot underneath

**IT WILL NOT BURN OR SCALD IN THE HEAD AND MAKES A FIRM HEAD IN HOT WEATHER.**

For full description and price send for 1910 Catalogue.

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Growers of Seed Specialties for  
Formerly Market Gardeners.

## SEEDS FOR THE MARKET GARDENER

are our specialty. Quality, our first consideration. We have a very large and complete stock of all kinds of seeds and everything in the line of fruit trees, berry bushes, etc.

Our new 112-page catalogue contains true description and no overdrawn illustrations. Our prices are right, quality considered. Market Gardeners are requested to write for our Market Garden Wholesale Catalogue, sent free on request.

**GERMAN NURSERIES & SEED HOUSE** BOX 245  
Established 1886 **BEATRICE, NEB.**

### Early Tomatoes In Concrete Plant Protectors.

A tried and proven success. Keep out frost and draw heat. Equal for forcing to the famous bell jars used in France. Field trials show four times the yield, ripening a month ahead of season and value increased 100 times. No blight or insects. Useful for lettuce, rhubarb, melons, etc. Hold water for irrigation. Patent just issued on protection; and line wire opens or closes 100 instantly. Illustrated treatise tells how to make them quickly at 2c each, how to make mold at 25c. Also full information about this method. Each purchaser of book has privilege to make mold and protector. Mention this paper and send \$1.00 for book. Money back if not satisfied.

**J. A. HALEY, Seed Grower, Munith, Mich.**

## Wanted

Contracts to grow all kinds of Vegetable Plants, transplanted or not. Also Geraniums, Coleus, Cannas, Salvia, Verbena, Pansies, etc., for spring delivery. All stock only. Correspondence solicited.

**Alonzo J. Bryan, Wholesale Florist, Washington, New Jersey.**

The third factor is lack of air. Growers must learn to fire with ventilators open whenever necessary. Thus, whenever the outside temperature comes above freezing, we put on some air and sustain the temperature by firing if the sun is not shining.

MARKETMAN.

### Prices of Indoor Fruits and Vegetables.

Chicago, February 9.—Mushrooms, 25 cents to 75 cents per pound; cucumbers, \$1.00 to \$1.25 per dozen; lettuce, 40 cents per box; tomatoes, 20 cents per pound; radishes, 50 cents per dozen; asparagus, 25 cents to 40 cents per bunch; grapes, Gros Colman, 75 cents per pound.

New York, February 5. — Mushrooms, 40 cents to 55 cents per pound; cucumbers, extra, \$1.75 per dozen; tomatoes, 25 cents per pound; radishes, 4 cents per bunch; asparagus, \$6 per dozen bunches; rhubarb, 75 cents per dozen bunches; grapes, Gros Colman, 65 cents to 70 cents per pound; peaches, \$3.50 per dozen.

MOLINE, ILL.—Peterson & Eckstam Bros. have opened a retail store at 1229 Fifth avenue. They have greenhouses at Tenth avenue west of Sixth street.

NEWARK, O.—Kent Bros. report a big demand for carnations on McKinley day and say they could have sold many more if they had been forthcoming.

## You Need This Paper if You Force Vegetables

The Weekly MARKET GROWERS' JOURNAL is the ONLY paper published exclusively for market gardeners and truck farmers. It carries a special department devoted to the greenhouse forcing of vegetables and is the official organ of the Greenhouse Vegetable Growers' and Market Gardeners' Association of America. Recognized by Department of Agriculture and Experiment Station officials as authority on vegetable forcing.

### What Eugene Davis Says

Eugene Davis, of Grand Rapids, Mich., originator of Grand Rapids Lettuce and Davis' Perfect Cucumber, writes:

"The articles on Growing Lettuce by Mr. Waid and Growing Cucumbers by 'Grower' are worth ten years' subscription to a beginner."

Subscription price, \$1.00 a year, 52 issues. Send us \$1.00 today. If you are not satisfied at the end of the year we will refund your money. Address

**MARKET GROWERS' JOURNAL,**  
531 Walker Bldg., Louisville, Ky.

## MUSHROOMS

### HOW TO GROW THEM

BY WM. FALCONER.

The Best American Book on the Subject.

170 Pages. 29 Illustrations.

—Price \$1.00.—

**AMERICAN FLORIST CO.**  
324 Dearborn St., CHICAGO.

## VEGETABLE PLANTS.

Cabbage, Wakefield and Succession, \$1.00 per 1000; \$3.50 per 10,000.  
Parsley, 25c per 100; \$1.25 per 1000.  
Lettuce, Big Boston, Boston Market, Grand Rapids, \$1.00 per 1000.

—Cash with order.—

**R. VINCENT, Jr. & SONS CO., White Marsh Md.**



Watch for our Trade Mark stamped on every brick of Lambert's

### Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn







## The Nursery Trade

American Association of Nurserymen.

F. H. Stannard, Ottawa, Kans., President;  
W. P. Stark, Louisiana, Mo., Vice-President;  
John Hall, Rochester, N. Y., Sec'y.

Thirty-fifth annual convention to be held  
at Denver, Colo., June 8-10, 1910.

SAMUEL C. MOON, Morrisville, Pa., has been re-elected president of the Pennsylvania Nurserymen's Association.

PROFESSOR SURFACE, state zoologist of Pennsylvania, is very optimistic about fruit planting in the state and has no use for the croakers who are talking about overproduction. Plant the right varieties, Mr. Surface says, in effect, and look after the trees so that good fruit is produced and there will be a market for it all right.

THE well-known Holland firm of Jacs Smits, Ltd., Naarden, will, in future, be known as Jacs Smits & Co. The firm consists of Jacs Smits and P. Dwars, who has bought all the stock of the late firm and will continue to send out the same first-class grades of stock that have been sent from this nursery for many years.

SUFFIELD, CONN.—Notwithstanding the aid of clever "tree surgeons" it has been found impossible to prolong the life of the Trumbull elm and this historic old tree had to be felled, which was done February 5. A large elm standing near the National bank of Suffield, which was doctored at the same time as the Trumbull elm last summer, and under which General Washington is said more than once to have eaten his lunch, fared better and by the aid of several barrels of cement was made solid enough to last for many more years.

### Seedling Phloxes.

Some plants as well as animals have a remarkable prepotency, that is the power of impressing themselves on their offspring. Some phloxes like Mme. Meuret will reproduce themselves. Cross of Honor never does this, the plant almost invariably producing flowers of a lilac tinge. Crepuscule does not always reproduce its own color but invariably gives a symmetrical head and a very large floret and continuous bloom. We find this the most satisfactory of all to breed from. Plant the best sorts in close proximity and let the bees do the rest.

Nature makes no mistakes in the blending of colors. A large bed of seedling phloxes in continuous bloom until November 1 is one of the finest spectacles of the flower garden. Out of 1,000 many of marvelous beauty may be selected. The Phlox Manual tells how to raise from seed. A little girl following directions has raised some as fine as those produced by European experts. A correspondent said that from some well bred seed we sent him he secured one that \$10 would not buy. Said he "I first saw it in the dark. It shone like a lamp." Another secured one with variegated foliage. In short we find ourselves in wonderland. Some of ours have richly variegated blooms. Seed must always

be sown in the fall. The next summer the plants bloom and you know in a short time just what you are doing.

C. S. HARRISON.

Experiment Station, York, Neb.

### Nashville.

The State Horticultural Society and the State Nurserymen's Association, two important organizations, with a community of interests, federated together for mutual benefit and improvement, held their fifth annual convention January 26-27, at the Tulane hotel assembly room. It was by far the most successful and well attended meeting yet held. An increased interest in these subjects and the organizations devoted to their welfare, is being taken all over the state, as was evidenced by the large attendance, there being more than 150 delegates present during the session. Every section of the state was represented by those who desired to get the benefit of the experience of expert fruit growers.

The Horticultural Society held its meeting on the first day, with President W. P. Wade, of Kenton, in the chair. The secretary and treasurer is Charles A. Keffer, of Knoxville. The address of welcome was delivered by Hon. John W. Thompson, state commissioner of agriculture, and many interesting papers were read. At the evening session the president gave a paper on "Spraying," which was so full of good suggestions and so instructive that many questions were asked and many facts absorbed by the delegates to take home with them.

The annual election put the following in office: J. D. Ellis, Dayton, president; I. C. Murphy, Columbia, vice-president for middle Tennessee; C. Pennington, Rutherford, vice-president for west Tennessee; J. C. Easterly, Cleveland, vice-president, east Tennessee; Charles A. Keffer, Knoxville, secretary and treasurer.

The society then adjourned to make way for the meeting of the Nurserymen's Association, which was opened by an address of welcome by Col. J. H. McDowell, after having been called to order by President J. C. Hale, of Winchester. I. C. Murphy, of Columbia, instructed those present in regard to the "Care of Young Trees in the Orchard." Mr. Murphy has specialized fruit raising, and his observations were of much value to those present. Aubrey Frank, of Winchester, in a paper on "Office Methods," told how fruit growers could be helped by system; A. I. Smith, of Knoxville, told the necessity of "Growing Better Nursery Stock"; J. N. Miller, of Winchester, and W. W. Twitty, of Blanche, participated in the above discussion, giving many valuable suggestions. "Grape Growing," a profitable industry in the state, was ably discussed by T. W. Sowell, of Columbia; J. H. Austin, of Antioch, urged "Nurserymen Pulling Together a Little More," while J. D. Ellis, of Dayton, thought there should be more "Co-operation of Nurserymen and Orchardists." It was the opinion of these gentlemen that by co-operation Tennessee would become one of the largest fruit producing states of the Union. "Pruning Nursery Stock" was discussed by R. O. Lamar, of Pulaski, and A. A. Newsom, of Knoxville.

The principal address of the afternoon session was delivered by Prof. G. M. Bentley on the "San Jose Scale"; W. A. Easterly, of Cleveland, read a paper on "Desirable New Fruits Which Should be Grown in Tennessee." "Landscape Gardening from a Nurseryman's Point of View" was ably discussed by A. J. Byrns, of Sylvia; E. N. Chattin, of Winchester, talked about "Pecans—Can They be Profitably Raised in Tennessee?" James Webb, of Smithville, spoke on the "Reliability of Nurserymen," while

Otto Henninger, of Memphis, discussed "Spraying Practices Which Pay"; Charles Pennington, of Rutherford, read a paper on "How Does Selling Better Fruit Help the Nurseryman?" W. H. Stark, of the firm of Stark Bros., of Louisiana, Mo., having the largest nursery and orchard company in the world, was the guest of honor of the convention. He made an interesting address, and at the close of the meeting presented each one present with a sample of his apples, the finest to be seen anywhere. The closing address, which was fine, was made by the retiring president, J. C. Hale, of Winchester, who spoke on the "Future Nursery Business."

The election of officers for the ensuing year resulted as follows: A. I. Smith, Knoxville, president; J. M. Miller, Winchester, vice-president of the state at large; A. J. Fletcher, Cleveland, vice-president, east Tennessee; R. O. Lamar, Pulaski, vice-president, middle Tennessee; W. W. Baird Humboldt, vice-president, west Tennessee; G. M. Bentley, of Knoxville, secretary and treasurer. A legislative committee to look after the interests of the organizations before the state legislature was appointed as follows: Col. John Thompson (chairman); Prof. H. M. Morgan, Prof. G. M. Bentley, Percy Brown, Hon. Geo. E. Parks, J. L. Jones and J. C. Hale. The adjournment marked the closing of one of the most successful and enthusiastic meetings in the history of the two associations.

M. C. D.

### Nut Notes.

As yet the pecan industry is young, very young; it has not yet reached its majority as a cosmopolitan horticultural industry in its possible range of cultivation, but already forces are at work, which augur well for the future. Among them, the attention which it is receiving from experiment station workers and the organization of the National Nut Growers' Association, are noteworthy.

J. B. Wight says "Briefly putting it, there is money in pecan growing, for the one who knows his business and takes care of his trees. The careless and ignorant man, who thinks a pecan tree should be set and cared for as a post, can find other methods for throwing away his money that are just as satisfactory."

## For Immediate Delivery ROSES

Dormant, field grown, own roots  
Sweetheart, Tansendschon, T. Blumschen, Barbier, 20c each.  
La Fiamma, Trier, Dorothy Perkins, Lady Gay, Debutante, Hiawatha, 12c each.

### Clematis Paniculata

Field Grown

1-year 6 cents. 2-year 10 cents

### Dutch Hyacinths.

Named varieties, single and double, 45 kinds, First size bulbs, \$6.00 per 100; extra large exhibition size, \$10.00 per 100.

### Chinese Sacred Lilies

\$3.00 per 100; \$25.00 per 1000.

Hydrangea Paniculata Grandiflora, 18 to 24 ins. .... 6c. 2 to 3 feet. .... 9c

### Viburnum Plicatum.

2 to 3 feet. .... 12c. 3 to 3½ feet. .... 15c

Write for our special prices on Hardy Shrubs.

THE DINGEE & CONARD CO.,  
West Grove, Penna.



## When Traveling in Europe

Do not forget to inspect our nurseries. We grow immense quantities of Rhododendrons, Azaleas, Magnolias, Boxwood, Conifers, Pot-grown plants for forcing, Lily of the Valley, Evergreens, etc. of high grade and quality. Our nurseries are on sandy soil from which trees transplant readily. From Amsterdam to our nurseries it is only 25 minutes by rail and a train runs every hour.

Catalogue Free on Application.

**JACS SMITS & CO.,**  
Naarden, Holland.

Long Distance Phone, Bussum 33.  
Cable Address, Smits-Naarden.



## Phoenix Nursery Company

**Nurserymen and Florists**  
BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for spring issued Feb. 1st

The choicest member of the Brazil nut group is the true butternut of the tropics, which is very seldom found outside that region. Its flavor is very delicate and delicious, but it does not keep well; and if it would bear shipment successfully the available supply is at present very small.

NEW ROCHELLE, N. Y.—The New York, Westchester and Boston Railway Co. has brought proceedings in the supreme court to condemn property owned by Henry Siebrecht, on North street. It needs a large section of the gardens and it will be necessary to move a number of Mr. Siebrecht's greenhouses in order to have room for its roadbed. This route is to be part of the branch road to White Plains. Several other tracts of land will also be condemned by the road in Rochelle Park and in the town of White Plains.

## BOBBINK & ATKINS

Nurserymen and Florists, RUTHERFORD, N. J.

**Choice Evergreens and Conifers,  
Shade and Ornamental Trees,  
Herbaceous Plants.**

Large collection of **DECORATIVE PLANTS**, such as

**Palms, Ferns, Bay Trees, Etc.**

ASK FOR WHOLESALE CATALOG



Beautiful! Novel! Valuable!

## The Newest Lilacs

Double and Single

**Extraordinary Offering**

The improvement in the Lilac, especially in the double sorts, is marvelous, and all lovers of this flower will be delighted with these novelties. In size, form and color they far surpass the old favorites and we confidently recommend them to our patrons. Nothing that has been introduced recently is likely to prove so popular as the new Lilacs.

A beautiful illustrated booklet on Lilacs will be mailed on request, also our Illustrated General Catalogue, which contains accurate and trustworthy descriptions of the best

**FRUIT AND ORNAMENTAL TREES,  
SHRUBS, ROSES and HARDY PLANTS**

Ellwanger & Barry, Mount Hope Nurseries, Rochester, N.Y.

## STOCK FOR FLORISTS

**ROSES for Forcing**—Hybrid Perpetuals and Ramblers, all the best ones; fine, strong stuff.

**Clematis, Ampelopsis, Tree Hydrangeas and Lilacs,  
Shrubs, Vines and Perennials.** Write for prices.

**JACKSON & PERKINS CO., Newark (near Rochester), New York**  
Nurserymen and Florists. Wholesale only. Use printed stationery.

## JOHN T. WITHERS, Inc.

**Landscape Architect and Forester**

1 Montgomery St., **JERSEY CITY, N. J.**

**Tree Renovation by Expert Operators.** Stereopticon lectures on Horticulture and Arboriculture. Mention the American Florist when writing

## LARGE TREES

**OAKS and MAPLES  
Pines and Hemlocks**

**ANDORRA NURSERIES,**

Wm. Warner Harper, Prop.  
Chestnut Hill, PHILA., PA.

## Peonies....

**Lucretia Dewberry**

In large quantities. If in need write

**GILBERT H. WILD,**

Sarcoxie, Mo.

## Wanted.

2000 Sweet Briar Roses for hedge, seedlings, 6 to 10 inches or more.

**WM. DEGNER,**

Coeur D'Alene, Idaho.



## Arbor Vitæ

(*Thuja Occidentalis*.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

**The Wm. H. Moon Co.,**  
MORRISVILLE, PA.

Mention the American Florist when writing

## DAHLIAS

Jack Rose and other best Cut Flower varieties. Write for list and prices.

**PEACOCK DAHLIA FARMS**

Williamstown Junction, N. J.

## New Berries

Send for our up-to-date tested Berry Plant Catalogue.

**Berrydale Experiment Gardens, Holland, Mich.**

**The Very Best GRAPE CUTTINGS** finest selected wood.

PURE STOCK.

1,000,000 XXX Cuttings.

**CHARLES C. NASH,** Kalamazoo, Mich.

**Eugene Pitou, Jr.** **CIVIL ENGINEER and Landscape Architect.**

Phone Barclay 6084—229 Broadway, New York  
Designs, Estimates, Construction of Grounds.



# CARNATION BAY STATE

~~~~~\$3.00 Per Hundred.~~~~~

HAVING bought a large stock of this new Variegated-Carnation last year, we can offer first-class rooted cuttings of this variety at \$3.00 per 100. Also rooted cuttings of **Beacon, Enchantress, Rose Pink Enchantress, Victory, White Enchantress, White Perfection, Winona, Winsor**, at \$3.00 per 100. Unrooted cuttings, \$2.00 per 100. Reduced prices made on large orders. Send orders as early as possible.

FRESH CUT FLOWERS shipped to all parts of New England and Canada. **High Grade Carnation Blooms** our specialty; shipped direct from the grower to the retailer at wholesale price.

SHEPARD'S GARDEN CARNATION CO. 292 Fairmont Street, LOWELL, MASS.

—HEADQUARTERS OF—

Azalea Indica for Easter

All well budded and as round as an apple.

In **Easter Varieties** we have the following in large sizes, well budded: Bernard Andreas Alba, white; Niobe, double white; Helena Thielman, rose; Empress of India, Apollo, red; De Schryveriana, double variegated; Dr. Moore, pink; Mme Van der Cruyssen, pink; Louis Van Houtte large double red; Simon Mardner, Veraneana and Deutsche Perle, white. Price, \$1.25, \$1.50, \$2.00 to \$2.50.

In smaller sizes we have Mme. Van der Cruyssen, Simon Mardner, Apollo, Niobe, Empress of India, Deutsche Perle, De Schryveriana, Veraneana, etc. Price, 50c, 75c, \$1.00, \$1.25.

Azaleas in bloom, in the following varieties: Mme. Petrick, pink; Simon Mardner, pink; Deutsche Perle, white; Apollo, red; and Veraneana 75c, \$1.00, \$1.25 to \$1.50.

Cinerarias, Aschmann's well known strain, in bud or without, 6-in. pots, 25c to 35c.

Kentia Forsteriana, 30-35 40-50 in. high, \$1.50 \$2.00, \$2.50 to \$3.00 each; 4-in., 20c, **Kentia**

Belmoreana, 4-in., 25c; 3-in., 10c.

Cocos Weddelliana, 3-in., 15c.

Latania Borbonica, 4-in., 20c.

Arcia Lutescens, 5-in. pots, made up 35c.

Begonia Flambeau, 4-in., 15c.

Ferns, Neph. Todeoides, 5½-6-7 in., 35c.

40c 50c 75c to \$1.00.

Asparagus Plumosus, 2½-in., 3c; 3-in. (large), 6c; 4-in., 10c. **Sprengeri**, 3-in., 5c; 4 in., 10c.

Pteris Victoria (silver-leaved fern), in 6-in. pans, 3 plants in a pan, very attractive, 30c per pan

Cash with order, please.

Please state if in or out of pots.

All plants must travel at purchaser's risk only

GODFREY ASCHMANN,

Importer and Wholesale Grower of Pot Plants,

1012 West Ontario St., **PHILADELPHIA, PA.**

St. Louis.

CARNATIONS PLENTIFUL.

The past week was the closing of the season. This week Lent starts and the first few days will cause a slight let up. During the past week carnations were more plentiful. There has been quite a demand for red carnations and anything good brought four cents. Quite a few split carnations are on the market. Tulips, jonquils and freesias are coming in, also some extra fine lily of the valley. The bright weather has brought out violets and they are selling from \$1.50 to \$3 per 1000. Sweet peas are coming in fine and with long stems.

NOTES.

The greenhouses and dwelling house of the Michel Plant & Bulb Co. were sold by Receiver Coleman to George Waldbart, for \$6,500. Jules Bourdet will have charge of the greenhouses. Mr. Waldbart has not decided what he intends to do with the greenhouses; probably he will grow for his retail trade and sell the surplus to the wholesale market.

We regret to announce the death of Martha Hentschel of Webster Grove,

Carnations

ROOTED CUTTINGS

| | Per 100 | Per 1000 |
|---|---------|----------|
| Mrs. C. W. Ward | \$12 00 | \$100 00 |
| Alma Ward | 15 00 | 125 00 |
| Mrs. J. C. Vaughan, Bay State, Georgia and O. P. Bassett | 6 00 | 50 00 |
| White Enchantress, Beacon, Robert Craig, Afterglow, Rose Pink Enchantress and Harlowarden | 3 50 | 30 00 |

New Crop Early Flowering Single Chrysanthemum Seed
and **Gold Medal Pentstemons**

at 25c and \$1.00 per package.

CHARLES H. TOTTY, Madison, N. J.

Chrysanthemums.

All orders booked now for
Early Delivery.

Write for Catalogue.

ELMER D. SMITH & CO.

ADRIAN, MICH.

Robert Craig Co...

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

wife of Ernest Hentschel. The funeral took place on Monday. Floral offerings were numerous. Her death was very sudden and the sympathy of the craft is with the bereaved family.

The Woodbine Floral Co. is bringing some extra fine sweet peas to the market. This firm has four houses 22x100 feet and expects to build a house 22x100 feet this summer with propagating house.

F. C. Weber has resigned from the executive committee of the Horticultural Society, also the treasurership. Harry Young of the firm of Young & Sons is now treasurer.

John Connon is under the weather. His brother Charlie is attending for

Verbenas for Everybody.....



Of the finest varieties that ever grew, 70c per 100; \$6.00 per 1000.

Mums, the good kind, \$1.25 per 100; \$10.00 per 1000.

Daisies, white and yellow, \$1.00 per 100; \$8.00 per 1000. Our big double **Giant**

Alyssum, 80c per 100

\$7.00 per 1000.

Feverfew, \$1.25 per 100; \$10.00 per 1000.

We prepay express charges on all rooted cuttings and guarantee satisfaction.

C. HUMFELD, The Rooted Cutting Specialist, CLAY CENTER, KANS.

Well Rooted Carnation Cuttings

| | Per 100 | Per 1000 |
|--------------------------------|---------|----------|
| Enchantress | \$2 00 | \$18 00 |
| Sarah Hill, white | 4 00 | 35 00 |
| Lawson Enchantress, pink | 2 50 | 20 00 |
| Lawson, pink | 2 00 | 15 00 |
| W. H. Taft, red | 4 50 | 40 00 |
| Beacon, red | 3 00 | 25 00 |
| Victory, red | 2 50 | 20 00 |
| Lawson, variegated | 2 50 | 20 00 |

Cash with order or C. O. D.
SCHEIDEN & SCHOOS,

517 Asbury Ave., **Evanston, Ill.**
Mention the American Florist when writing

him. They are shipping some fine jonquils and tulips to the market.

John Barnard, of the Grimm & Gorly Floral Co., has been seriously indisposed during the past week.

Charlie Beyer is laid up with the gout and unable to get around.

W. F.

GRAND RAPIDS, MICH.—Cukerski's new greenhouse at West Fulton street and Valley avenue, is completed.

Vincent Specials...

Double Lobelia, Kathleen Mallard; **Alyssum**, Giant and Dwarf Double; **Lemon Verbenas**; **Fuchsias**, 6 varieties; **Salvia Bonfire**; **Petunias**, double mixed; **Coleus**, Golden Bedder and Verschaffeltii; **Parlor Ivy**, 2-in. pots \$2.00 per 100; 3-in pots, \$3.00 per 100. **Hardy Chrysanthemums**: We have the largest collection in the country, \$2.00 per 100, from 2-in. pots not less than 5 of a kind.

R. Vincent, Jr., & Sons Co.
WHITE MARSH, MD.

CANNAS.

We have a surplus of the following varieties, true to name, and offer them at a remarkably low price until sold. **Alsace**, Chas. Henderson, Duke of Marlborough, Capt. Dragoon (one of the best yellows), Mile. Berat, Defender, Kate Gray, Pennsylvania, \$1.75 per 100; \$15.00 per 1000. **David Harum**, Florence Vaughan, \$2.25 per 100; \$20.00 per 1000. **Egandale**, \$2.50 per 100. **King Humbert**, \$6.00 per 100. The above varieties mixed, \$8.00 per 1000.

WALTER W. COLES,

Kokomo, Ind.

CANNAS

Dahlias, Ferns, Asparagus, Ficus

See classified department for prices.

Wagner Park Conservatories, Sidney, O.

SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL, New York.

Pittsburg.

TRADE GOOD.

Notwithstanding the high prices on foods, etc., the flower lovers manage to be quite liberal with the retailers. Combining this with the funeral work, which has been quite plentiful the past week, trade looks good. The cut flower market is still as full as can be expected, considering the extreme cold weather. Carnations are still very plentiful with a greater amount of dark pink. Prices are not as they should be. The street stands are selling good stock at 25 cents per dozen. Lily of the valley is a drug on the market, fancy stock is going at two and three cents; jonquils, lilies and roses are moving out nicely, with violets close. Lent is now very close, and we can figure on business lagging somewhat during these 40 days.

NOTES.

The Florists' and Gardeners' Club held its regular meeting February 1 and had a very enthusiastic evening; the various committees were discharged. A motion was made to decide at the next meeting what to do with the surplus funds unused at the convention. The subjects for the meeting were "Cyclamens," "Cypripediums" and "Cinerarias." The first prize was awarded to D. Frazier; second to Frank Crooks. Julius Roehrs Co., Rutherford, N. J., showed some very fine cyclamens.

Jos. Seaman Co., Washington, was sold out at receivers' sale; C. A. Dun of that place bought the store.

A. W. Smith Co. is showing a very pretty window in the way of a banquet table.

NEW

Carnations

The two prize-winning introductions of the Cottage Gardens.

MRS. C. W. WARD

MRS. C. W. WARD is a perfectly formed flower with full center; color deep pink, several shades lighter than Lawson, deeper than Winsor; having strong, erect stems, 24 to 36 inches in length. A vigorous, healthy grower, and has never shown disease of any kind.

AWARDS

Society of American Florists, Silver Medal, Boston, 1906; The Craig Cup for Best Seedling, Philadelphia, 1906; The Lawson Bronze Medal, Washington, 1908; The Horticultural Society of N. Y., Silver Medal Sweepstake prize for best 100 blooms, New York, 1909; The Horticultural Society of N. Y., Diploma for best new variety, New York, 1909.

PRICE: Rooted Cuttings, \$2.00 per 12, \$12.00 per 100, \$100.00 per 1000. 25 at the 100 rate; 250 at the 1000 rate. Delivery February 20th.

ALMA WARD

This beautiful Carnation is pure white except during dark weather when it shows delicate splashes of pink similar to the Cattleya Orchid, increasing its popularity.

ALMA WARD is the largest and most fragrant Carnation ever grown, producing perfect flowers, 3½ to 4½ inches in diameter, on strong, erect stems, 36 to 42 inches in length.

AWARDS

The Lawson Silver Medal, Toronto, 1907 (no Gold Medal having been awarded); The Lawson Gold Medal, Washington, 1908; The Society of American Florists' Silver Medal, Washington, 1908.

PRICE: Rooted Cuttings, \$3.00 per 12, \$5.00 per 25, \$9.00 per 50, \$15.00 per 100, \$35.00 per 250, \$65.00 per 500, \$120.00 per 1000.

Delivery March 1st.

These varieties bring from \$2.00 to \$4.00 per 100 more than any other carnation sold in the New York market.

Cottage Gardens Co., Inc.

QUEENS, LONG ISLAND, N. Y.

White Killarney, My Maryland, Pink Killarney

Rooted cuttings and 2½-in. plants. Booking orders now for future deliveries.

The Right Place—The Right Goods—The Right Prices—Come and See Them Grow.

| | R. C. | | 2½-inch | | | R. C. | | 2½-inch | |
|----------------------|--------|---------|---------|---------|---------------------|--------|---------|---------|---------|
| | 100 | 1000 | 100 | 1000 | | 100 | 1000 | 100 | 1000 |
| White Killarney..... | \$6 50 | \$60 00 | \$8 50 | \$75 00 | Richmond..... | \$3 50 | \$30 00 | \$5 50 | \$50 00 |
| Grafted..... | | | 14 00 | 125 00 | Maids..... | 3 00 | 25 00 | 5 00 | 45 00 |
| Pink Killarney..... | 4 00 | 35 00 | 6 00 | 55 00 | Brides | 3 00 | 25 00 | 5 00 | 45 00 |
| Grafted..... | | | 12 00 | 110 00 | American Beauties.. | 4 00 | 35 00 | 7 00 | 65 00 |
| My Maryland..... | 4 00 | 35 00 | 6 00 | 55 00 | | | | | |
| Grafted..... | | | 12 00 | 110 00 | | | | | |

Maids and Brides grown to order only.

3½-in. sizes will be offered, when ready, at 40% increase over 2½-in.

You cannot afford to buy poor stock at 50% less.

POEHLMANN BROS. CO., Morton Grove, Ill.

SHASTA

We are now shipping fine strong cuttings of **Shasta** as fast as they are ready to come out of the cutting bench. We have enough orders booked to take all that will be ready up to Feb. 15. If you want late February delivery you should get your order in at once. Come and see it growing; once you see it, you will want to grow it.

\$12.00 per 100; \$100.00 per 1000.

Send all orders to

BAUR & SMITH, Indianapolis, Ind.

Send Advertisements Early for Best Display.

Orchids..

We have changed our domicile from Secaucus, N. J., to Mamaroneck, N. Y. We are largest collectors and importers of Orchids and are now booking orders for all the commercial Cattleyas for delivery next spring

CARRILLO & BALDWIN, Mamaroneck, N. Y.

BAY TREES.

Standards, Pyramids and Columns.

ORCHIDS

DIRECT FROM THE WOODS Cattleya Trianae, C. Gigas and other commercial varieties.

JULIUS ROEHRS CO., Rutherford, N. J.

Orchids

Arrived in fine condition: Cattleya Warneri, C. Harrisoniae, C. Gaskelliana and C. Gigas (Hardyana type); also Dendrobium Phalaenopsis Schroederianum and Odontoglossum luteo-purpureum.

Lager & Hurrell, Summit, N. J.

Boston Notes.

The Draper funeral at Hopedale brought quantities of floral tributes from all over the country. It is only on rare occasions that we have the opportunity of inspecting the work of so many prominent artists and comparing the styles of workmanship. New York, Washington, Boston and other cities sent their best, a splendid illustration of the progress the designer has made in his art, not alone in one section but throughout the entire country.

There seems to be an unusual amount of trouble amongst the salesmen handling roses lately. Many bad cases of sore hands are reported, several cases requiring medical aid. One of the worst cases brought to our notice is that of one of Galvin's men. Both hands are badly punctured with thorns and in each instance this has caused considerable inconvenience for a long time owing to festering.

There is probably no more regular visitor to the market than Chas. R. Dane of Roxbury. Mr. Dane has always been an early bird and is generally on the way home before many of the other regulars get in.

The last assembly of the season on Friday evening at the Somerest proved to be the most brilliant of the series and the local market was thoroughly cleaned up on orchids, gardenias and lily of the valley.

John Jansky, who formerly confined himself to making florists' wire frames, has branched out and is now dealing in florists' supplies and green goods.

John Fee, for many years closely associated with the growing of good bulbous stock, is keeping up the usual high standard this season.

S. Hoffman is making elaborate preparations for Easter. He is growing a fine stock of flowering plants at Mount Auburn.

The Budlong Sons Co. is unusually strong on Mme. Chatenay and My Maryland roses just now.

E. MacMulkin reports business as good for this season, with an unusual amount of funeral work.

The Galvin stores report an unusual amount of funeral work.

R.

MONTPELIER, IND.—C. E. Stinson, of the Montpelier Greenhouses, had many more orders for carnations for McKinley day than he could fill.

VAUGHAN'S LIST OF Dormant Stock

| Crimson Ramblers. | | Per doz. | Per 100 |
|---|--|----------|---------|
| 2 years old, 2 to 3 feet, well branched, own roots..... | | \$2.00 | \$15.00 |
| 2 years old, 2 to 3 feet, well branched, budded..... | | 2.00 | 15.00 |
| 3 years old, 3 to 5 feet, well branched, budded..... | | 3.00 | 18.00 |
| 4-inch pots..... | | | 10.00 |

| Tausendschon. | Per doz. | Per 100 |
|------------------------------------|----------|---------|
| 2-yr. old, dormant, grafted plants | \$3.50 | \$25.00 |

| Lady Gay. | | |
|-------------------------------|--------|---------|
| 2-yr. old, dormant stock..... | \$3.00 | \$20.00 |

| White Baby Rambler. | | |
|---------------------|--------|----------------|
| 3-inch..... | \$.15 | |
| 4-inch..... | .25 | \$2.50 \$20.00 |

| Azalea Mollis | Each | Doz. | 100 |
|--------------------|--------|---------|---------|
| 15 to 20 buds..... | \$0.50 | \$ 5.00 | \$40.00 |
| 40 to 50 buds..... | 1.00 | 10.00 | |

| Baby Rambler. | | |
|------------------------------|--------|------------------|
| Dormant, field-grown. | | |
| Per doz. | 100 | 1000 |
| 1st size, selected, budded. | | |
| 3-years..... | \$2.50 | \$16.00 \$150.00 |
| 2nd size, selected, grafted. | | |
| 2-years..... | 2.00 | 12.00 100.00 |
| Pot-grown. | | |
| 2½-inch..... | \$.75 | 5.00 |
| 3-inch..... | 1.25 | 8.00 |
| 4-inch..... | 2.00 | 12.00 |

| Deutzia | Each | Doz. | 100 |
|-------------------|------|------|-------|
| Lemoinei, 7-in. " | 25 | 2 50 | 20 00 |

Magnolia Soulangiana, 3 to 4-ft., \$1.50 each; \$14.00 doz.

All Plants F. O. B.
Western Springs, Ill.

Vaughan's Seed Store,

84-86 Randolph St., CHICAGO.

25 Barclay St., NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

Orchids Write for 1910 Catalogue

Commercial varieties in any quantity. Guaranteed direct from collector. Advance orders insure good plants and prompt delivery.

G. L. FREEMAN, 388 Appleton St., Holyoke, Mass.

Cleveland.

BUSINESS FAIR.

There has been nothing out of the ordinary doing in the cut flower business. While wholesalers have been cleaning up fairly well it is due to small receipts of stock, rather than to an unusually heavy demand. Funeral work, with an occasional wedding thrown in, are the mainstays, nothing to brag about being done in the decorative line. Carnations are becoming more plentiful daily, the absence of a sufficient supply of roses to fill orders aiding the sale of carnations considerably. Roses of all grades are still short in supply. The demand for orchids and lily of the valley have been very slow. Violets are moving nicely and advance orders already booked for St. Valentine's day show that retailers expect a good business. Adiantum is in good demand. Asparagus plumosus and A. Sprengeri are a little short in supply, with a good demand.

NOTES.

Adam Graham, Jr., 13052 Euclid avenue, East Cleveland, captured a burglar in the home of his father at 12341 Euclid avenue at 7 a. m. Wednesday and turned him over to the police. Graham was unarmed, while the burglar had both a gun and knife on his person. Adam Graham, Sr., and wife left recently on a trip around the world and their home was unoccupied.

The wholesalers will play the retailers on the Schwartzburg alleys on Sheriff street, February 9.

Monday morning, February 7 trade opened up briskly, the funeral of H. R. Newcomb, one of the city's most prominent bankers, causing quite a stir in the flower market.

On February 15 Halle Bros. Co. will move to the new store, which ought to help considerable.

C. B.

DBLE. PETUNIA

2-in., \$2.00 per 100
Smilax, 2-in., \$1.25 per 100. Abutilons, 3 kinds. 2-inch, 2½-c. Cuphea, 2-in., 1½-c. Poinsettias, stock plants, 5c. Geraniums, Double Grant, Castellaine, Nutt, Buchner, Gen Grant 2-in., 2c. Coleus 10 kinds, Ageratum, 3 kinds, \$1.50 per 100.

PRIMULA

Primula Obconica, 2-in., 2c: 4-in., in bud and bloom, 8c.
Rooted Cuttings, prepaid per 100. Heliotrope, \$1.00; Fuchsia, 8 kinds, \$1.00; Paris Daisy, yellow, white, \$1.00; Cuphea, 75c. Vinca Variegata, 90c; Coleus, 10 kinds, 60c; Alternanthera, 3 kinds, 90c; Ageratum, 3 kinds, 60c; Swainsona alba, \$1.00; Dbl. Petunias, 10 kinds, \$1.00. Flowering Begonias, 8 kinds, \$1.25.

Cash with order.

BYER BROS.,

Chambersburg, Pa.

ORCHIDS...

Largest Importers, Exporters, Growers, and Hybridists in the World.

SANDER, St. Albans, Eng.

NEW YORK OFFICE: T. MELLSTROM, Agent.
Room 1, 235 Broadway.

300 for \$5.00

Ivy Geraniums, Cinerarias, Asp. Sprengeri, Primula Obconica, Alyssum, out of 2½-in. pots, \$2.00 per 100, 300 for \$5.00.

Pansies, Forget-me-nots and Daisies (Bellis), fine plants, \$2.00 per 1000.

J. C. SCHMIDT,

Bristol, Pa.

Geraniums

All sold for February, orders booked for March 7th and later delivery. Nutt at \$10.00 Poitevine and Ricard at \$12.50 per 1000. PLUMOSUS, \$25.00 per 1000 } Ready Now.
SPRENGERI 15.00 per 1000 }

ALBERT M. HERR,

Lancaster, Pa.

Carnations Late Delivery Prices.

Ready to Ship About March 15.

White Perfection, Rose Pink, Afterglow, Enchantress and Victory at \$15.00 per 1000.

White Enchantress at \$17.50 per 1000.

Lawson Enchantress, Winona and Beacon at \$20.00 per 1000.

O. P. Bassett and Alvina at \$35.00 per 1000.

Lawson, Winsor and Harry Fenn at \$10.00 per 1000.

Hundreds supplied at thousand rates.

Albert M. Herr, Lancaster, Pa.

Rooted Carnation Cuttings

For Immediate Delivery.

ENCHANTRESS, PERFECTION, BEACON, \$3.00 per 100; \$25.00 per 1000.

ROSE PINK and WHITE ENCHANTRESS, WINSOR, \$2.50 per 100; \$20.00 per 1000.

We can fill orders from 1000 to 100,000 and guarantee the stock.

Thompson Carnation Co., JOLIET, ILL.

FUCHSIAS

There are none better than Little Beauty, Lord Byron, Renan and White Beauty. Strong 2½ inch plants ready \$4.00 per 100 New Heliotrope. Miss Bernice a sport of Mme. Brunt and a great improvement on the latter 2½-inch \$8.00 per 100.



Katalog for the Asking.
SKIDELSKY & IRWIN CO.,
1215 Betz Bldg.,
PHILADELPHIA, PA.

A Chance to Buy Right.

BOSTON FERNS. In order to make room I offer an extra fine lot of 4 and 5-inch plants at \$12.00 and \$20.00 per 100. GERANIUMS, transplanted in flats, extra strong R. C. S. A. Nutt, \$12.50 per 1000, 3-inch plants, \$4.00 per 100.

F. C. RIEBE, Webster, Mass.

Ferns for Dishes...

Assorted varieties, 2½-in. pots, \$3.50 per 100; \$30.00 per 1000. Cash with order.

FRANK OECHSLIN

4911 Quincy St. CHICAGO.

ALLIANCE, O.—The Lamborn Floral Co. is considering the enlargement of its plant and other extensive improvements.

RANTOUL, ILL.—J. B. Meneley & Co. have sold the old Corlies greenhouse property to Jacob Hulla of Summer, Mo., for \$3,500.

MANCHESTER, MASS.—Chas. H. Totty, Madison, N. J., gave an excellent talk on "Chrysanthemum Growing" before the North Shore Horticultural Society recently. He gave the members much useful information. President Downs of the Boston Gardeners' and Florists' Club was also present and talked on the same topic. The charter of incorporation of the society has been received from the secretary of state and has been neatly framed and hung in a conspicuous place in the hall.

Dormant Cannas

Guaranteed True to Name. Fine plump stock with from two to three eyes each.

Bronze Leaved

| | Doz. | 100 | 1000 |
|-------------------|--------|--------|---------|
| David Harum..... | 50c | \$3 00 | \$25 00 |
| Egandale..... | 50c | 3 00 | 20 00 |
| King Humbert..... | \$1 25 | 8 00 | 60 00 |

Orchid Flowers

| | Doz. | 100 | 1000 |
|-------------------|------|--------|---------|
| Allemania..... | 35c | \$2 25 | \$18 00 |
| Austria..... | 50c | 3 00 | 20 00 |
| Burbank..... | 30c | 2 00 | 15 00 |
| Fred Benary..... | 90c | 6 00 | 55 00 |
| Italia..... | 50c | 3 00 | 20 00 |
| Kate Gray..... | 40c | 2 50 | 22 50 |
| Parthenope..... | 40c | 2 50 | 22 50 |
| Pennsylvania..... | 40c | 2 50 | 17 50 |

Red Flowers

| | Doz. | 100 | 1000 |
|----------------------------|------|--------|---------|
| Chas. Henderson..... | 40c | \$2 50 | \$17 50 |
| Chicago..... | 40c | 2 50 | 22 50 |
| Explorateur Crampbell..... | 50c | 3 00 | 22 50 |

Variegated Flowers

| | Doz. | 100 | 1000 |
|-------------------------------|------|--------|---------|
| Elizabeth Hoss..... | 60c | \$4 00 | \$30 00 |
| Florence Vaughan..... | 50c | 3 00 | 25 00 |
| M. Crozy..... | 50c | 3 00 | 25 00 |
| Souvenir D'Antoine Crozy..... | 60c | 4 00 | 30 00 |

Yellow and Cream Flowers

| | Doz. | 100 | 1000 |
|----------------|------|--------|---------|
| Buttercup..... | 90c | \$6 00 | \$50 00 |
| Alsace..... | 50c | 3 00 | 25 00 |
| Coronet..... | 60c | 4 00 | 35 00 |

Pink Flowers

| | Doz. | 100 | 1000 |
|------------------------|--------|--------|---------|
| L. Patry..... | 35c | \$2 25 | \$17 50 |
| Mile. Berat..... | 40c | 2 50 | 20 00 |
| Hofgartner Hoppe..... | 90c | \$6 00 | \$50 00 |
| George Birdell..... | \$1 25 | 8 00 | 70 00 |
| George Washington..... | 50c | 3 00 | 27 50 |

Mosbaek Greenhouse Co., Onarga, Ill.

Mary Tolman

Deep flesh that does not fade in the strongest light; clean grower; rigid stem; perfectly formed flowers; good producer.

Cuttings ready now, \$12.00 per 100; \$100.00 per 1000. Guaranteed in every way.

CHICAGO CARNATION CO., Joliet, Ill.

A. E. HUNT & CO., Evanston, Ill. HUNT BROS., Park Ridge, Ill

Sangamo

Brilliant
Glistening
Pink.

Winner Wherever Shown.

The most prolific and fastest growing carnation of any; very clean, upright grower, long stiff stems; **never splits**; flowers nicely fringed and well rounded out.

The one real money-maker for you to grow. Orders booked now.

\$12.00 per 100; \$100.00 per 1000. All cuttings guaranteed.

A. C. BROWN,

Springfield, Ill.

CHICAGO CARNATION CO.

Joliet, Ill.

CONQUEST

Light pink overlaid with deep rose. The most valuable and attractive carnation on the market. Lawson habit; very free; long stiff stems; large well built flowers.

Winner of First prize wherever shown.

Rooted Cuttings Guaranteed

Ready now, \$12.00 per 100; \$100.00 per 1000.

Chicago Carnation Co., A. T. PYFER, Joliet, Ill.
Manager.

A New Fern NEPHROLEPIS GIATRASH

Awarded a Certificate of
Merit by the Horticultural
Society of New York.

Prices: In 2½-inch pots, \$3.50 per dozen; \$25.00 per 100; \$200.00 per 1000. 25 plants at 100 rates; 500 plants at 1000 rates. Orders delivered in rotation as received. **Now Ready for delivery,**

GEORGE GIATRASH,
463 Summit Ave., West Hoboken, N. J.
Mention the American Florist when writing

Baltimore.

That the "cold will strengthen as the days lengthen" seems proved this winter in this area. Whilst we have had no markedly low extremes, there has been a continuous cold average far below the customary mean, and many snowstorms and high winds, which prove uncomfortable to mortals and more uncomfortable to flowers than when the mercury falls lower and there are no such untoward features. On Monday morning the thermometer nearly touched the zero mark and all night there were high winds, which made it hard to keep up the greenhouse temperature and fairly melted the coal away. The whole month of January was exceptionally cold, and most of the time the sky obscured by clouds, only eight of its 31 days being clear. Rain and snow together made a total precipitation of 4 2-3 inches, which was the greatest of any January for several years, and the mean temperature for the entire month was 34°, which is the lowest for five years. Fortunately the condition of the ground was such that most of the water penetrated into the lower strata and will replenish the depleted underground sources.

Trade has been exceptionally active, it seeming as though the approach of Lent was spurring everybody into entertaining their friends with the various forms of social diversions. Dinners, balls, assemblies, receptions, teas and functions perhaps designated by other titles have been so numerous that the stores have been fairly put to it at times for material for decorative purposes. One Charles street store last week had five or six dinners each day. Material has not been very abundant. Good roses, indeed, have been scarce. One of our largest concerns, which had a dinner order for a large lot of American Beauties, found it pretty hard work to secure them at all, and what they got did not allow of lying down that night with a soul full of contentment and peace over the job. The local supply of Beauties has come to be practically almost nil, but one would hardly have thought that our neighbor Quaker city would have needed to be gone over with a fine tooth comb to secure five or six dozen of this still popular variety, which nothing seems to displace. The season of grand opera seems to have done much to stimulate social activities, and there has been a more uninterrupted series of entertainments than for several years. Last week President and Mrs. Taft came over to hear the opera, and though their coming was unannounced to the public, some of the knowing ones had some bunches of flowers ready to present to the ladies of the party. All these things make for trade. Certainly if the ladies would adopt again the becoming fashion of wearing flowers for their personal adornment it would add to the volume of business.

S. B.

Palms and Other Seasonable Stock

We have an extra good stock of **Forsteriana**, made up, three plants in a pot or tub all clean perfect plants. (We need to reduce our palm stock, and are giving extra values.)

7-in. pots, 3 plants in pot, 40 to 44 in. high.....\$4.00 each.
8-in. pots, 3 plants in pot, 44 to 48 in. high.....5.00 each.

Single plants **Kentia Forsteriana**, 7-in. pots, 6 to 7 leaves, 36 to 40 inches high, \$2.50 each;
8-in. pots, 6 to 7 leaves, 40 to 44 inches high, \$3.50 each.

(Full line of sizes of both **Forsteriana** and **Belmoreana** in price list No 5. just out. Send for it, if you do not receive it.)

Genista Racemosa, 5-in. pot plants bushy, \$3.50
per dozen; \$25.00 per 100.

Rhododendrons, 18-in. plants with 8 to 12 buds, \$9.00
per dozen.

Rhododendrons, 24-in. plants with 12 to 15 buds, \$12.00
per dozen.

Azalea Mollis, 12 to 15-in. high, full of buds, \$30.00 per 100.
15 to 18 in. high, very bushy, full of buds, \$35.00 per 100.

Bougainvillea Glabra Sanderiana, 5 in., well shaped, bushy plants, \$3.00 per dozen.

Asparagus Sprengeri, 2-in. \$2.50 per 100;
\$20.00 per 1000.

Boxwood, Fine bushy plants, 12-in. high \$3.00 per doz. \$20.00 per 100.

Fuchsias, Assorted in 6 best varieties \$3.00 per 100; \$25.00 per 1000

The Storrs & Harrison Co., Painsville, O.

Rooted Cuttings

Verbenas, choice varieties 70c per 100; \$6.00 per 1000. **Heliotropes**, \$1.00 per 100; \$8.00 per 1000.

Daisies, white and yellow, \$1.00 per 100.
Express paid. Cash with orders.

S. D. BRANT, Clay Center, Kans.
Mention the American Florist when writing

Neph. Whitmani

2¼-in. \$5.00 per 100
MAGNIFICA (new), 2¼-in. 25.00 per 100

Boston Ferns 2¼-inch, \$3.00 per 100.

Henry H. Barrows & Son, Whitman, Mass.
Mention the American Florist when writing

Small Ferns

Assorted varieties for fern dishes, \$3.50
100; \$30.00 per 1000. Cash with order.

ERNEST OECHSLIN,

188 Madison St., RIVER FOREST, ILL.

LOCKLAND, O.—A meeting of the subscribers of the stock in the Bloom-hurst Floral Co. was held January 27 when it was decided to make the capital stock \$30,000, divided into shares of \$100 each. Wm. Sunderbruch's name has been mentioned as general manager. The capital stock of the new company has nearly all been subscribed by prominent business men of this city and active work on repairs to the greenhouses, formerly owned by W. K. Partridge, which have become the property of the new company, is to commence at once.

SAN FRANCISCO, CALIF.—The first annual banquet of the Pacific Coast Horticultural Society was held in the concert room of the Palace hotel, January 22, with 75 growers, decorators and florists present. Various matters were discussed as an aftermath of the banquet. V. Matraia, president of the society, acted as the toastmaster. John McLaren, superintendent of Golden Gate park; H. Plath, past president of the society; D. MacRorie, John R. Atkinson, C. Shellgrain, T. F. Taylor, A. G. Rossi and A. Baldocchi were among the speakers.

Miscellaneous Plants.

| | Per 100 |
|--|---------|
| 2¼-in. Bostons | \$ 4 50 |
| 4-in. | 15 00 |
| 5-in. | 25 00 |
| 7-in. | 60 00 |
| 2¼-in. Whitmani | 5 00 |
| 2-in. Asparagus Plumosus Nanus | 3 00 |
| 4-in. | 12 00 |
| 2-in. Asparagus Sprengeri | 2 50 |
| 3-in. | 6 00 |
| 2-in. Assorted Ferns for Dishes | 3 00 |
| 4 in. Aracaria Excelsa | 50 00 |
| 2 in. Baby Primrose | 2 50 |
| 2 in. Chinese Primrose | 2 50 |
| 3 in. Cyclamen | 7 00 |
| 4-in. | 15 00 |
| 2-in. Moonvines , white..... | 3 00 |

Also a full line of bedding stock and the best wire hanging baskets on the market. Write us.

D. U. AUGSPURGER & SONS CO., PEORIA, ILL.

A FEW GOOD THINGS YOU WANT.

Rex Begonia, 2-in. \$5.00 per 100.
Asparagus Sprengeri, 3-in. \$5.00 per 100
Geraniums, Nutt. Doyle, Perkins, Grant, La Favorite, R. C. \$1.25; 2-in. pots, \$2.00; 3-in., \$4.00 per 100; **Viaud**, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C. \$1.50; 2-in. pots, \$2.50; 3-in., \$5.00 per 100; **Mme. Sallerei**, 2-in., \$3.00 per 100
Asparagus Plumosus, 2-in. \$3.00 per 100; 3-in., \$5.00 per 100. Cut fronds 25c per bunch.
Boston Ferns, 5-in 25c each, **Whitmani Ferns**, 4-in. 25c each.
Cycas Palms, 4 to 5 leaves, \$1.00, \$1.50 and \$2.00.
Vinca Var., 2-in. \$2.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order

GEO. M. EMMANS, Newton, N. J.

— YOU ARE INTERESTED IN —

Plants for Easter

We have **Azaleas**, **Hydrangeas** in all sizes. **Baby Ramblers**, **White Ramblers**, **Souperis**, **Lilies**, **Hyacinths** and other bulb stock. Write us in regard to these.

We can furnish you now in bloom, **Azaleas**, **Cinerarias**, **Cyclamens** and **Primroses**.

Young Rose Stock. We have about 20,000 young rose plants that will be ready for a shift in February. If you are interested in them, ask for our list of varieties and prices.

Ferns. If you are interested in ferns of any kind or size, write and let us know what you will want.

GEO. A. KUHL,

Wholesale Grower, Pekin, Ill.

Carnation Dorothy Gordon at Pittsburg

You must have seen and admired our Carnation Dorothy Gordon at the Pittsburg meeting, if you were there; our exhibits of this superb new variety attracted a vast amount of attention and caused much favorable comment from the hundreds of visitors who saw it. If you missed the show, just notice the very flattering mention that "Dorothy Gordon" received in the reports appearing in your trade publications of last week.

Our exhibit of 100 "Dorothy Gordon" in section "A" won Second Prize; but more than any award we value the opportunity that many more of our friends had at that meeting for seeing this worthy new variety and passing on its merits at first hand.

We have already sold more than 100,000 rooted cuttings this season and the limit of our growing capacity has been reached. If planning to feature "Dorothy Gordon" this year you should get your order in at once. Not much time is left anyway—so write us now if you want any stock this spring. Don't delay. Prices remain as previously quoted:

— \$10.00 per 100; \$75.00 per 1000 —

Come and see it if you can, or write us for literature and full particulars—free. We'll gladly answer your questions.

JOSEPH HEACOCK COMPANY, Disseminators, Wyncote, Pa.

1/2 Million Roses

For February delivery in these and and 400 other sorts.

Summer grown, on own roots.

| | 2 1/2-inch | 4-in. |
|--|-----------------------|-------|
| | Doz. 100 1000 100 | |
| American Beauty..... | 85c \$6 00 \$50 00 | |
| Anna de Diesbach..... | 50c 3 50 30 00 \$8 00 | |
| Anny Muller..... | 50c 3 00 25 00 | |
| Ball of Snow (Boule de Neige)..... | 50c 3 50 30 00 8 00 | |
| Bridesmaid..... | 50c 3 00 25 00 8 00 | |
| Bougere..... | 50c 3 00 25 00 8 00 | |
| Catherine Zeimet (White Baby Rambler)..... | 50c 3 50 30 00 10 00 | |
| Duchesse de Brabant..... | 50c 3 00 25 00 7 00 | |
| Etoile de Lyon..... | 50c 3 00 27 50 8 00 | |
| Gruss an Teplitz (Vir. R. Coxe)..... | 50c 3 00 27 50 8 00 | |
| Helen Gould (Balduin)..... | 50c 3 00 27 50 8 00 | |
| Madame Masson..... | 50c 3 50 30 00 7 00 | |
| Mlle. Franzisca Kreuger..... | 50c 3 00 25 00 8 00 | |
| Magna Charta..... | 50c 3 50 30 00 7 00 | |
| Maman Cochet pink..... | 50c 3 00 27 50 8 00 | |
| Marechal Niel, (4-in. 10c., 12c., 15c.)..... | 50c 3 50 30 00 15 00 | |
| Marie van Houtte..... | 50c 3 00 25 00 7 00 | |
| Meteor..... | 50c 3 00 27 50 8 00 | |
| Papa Gontier..... | 50c 3 00 27 50 7 00 | |
| Phyllis (Pink Baby Rambler)..... | 50c 3 50 30 00 | |
| Queen's Scarlet..... | 50c 3 00 25 00 8 00 | |
| Reine Marie Henriette..... | 50c 3 00 25 00 8 00 | |
| Rhea Reid..... | 60c 4 00 35 00 10 00 | |
| The Bride..... | 50c 3 00 25 00 8 00 | |
| Wellsley..... | 50c 3 50 31 00 9 00 | |
| White Bougere..... | 50c 3 00 25 00 8 00 | |
| White Maman Cochet..... | 50c 3 00 27 50 8 00 | |

Let us know your entire wants in roses

THE LEEDLE FLORAL COMPANY. SPRINGFIELD, OHIO.

Geraniums

| | |
|---|----------------|
| S. A. Nutt and 8 other varieties, 2 1/2-in. pots..... | 1000 100 |
| Alternantheras, yellow, rooted cuttings..... | \$20 00 \$2 50 |
| Vincas, Var. 2-in. pots..... | 50 2 00 |
| Asp. Sprenger seedlings..... | 7 00 1 00 |
| Pansy Plants..... | 2 50 |

—Cash.—

Jos. H. Cunningham, Delaware, O.
Portland, Me.

E. J. Harmon & Co. have recently moved into the new Baxter block and now has one of the finest stores in New England.

The Goddard Flower Co. has opened a store on Congress street.

It is reported that there is to be a new seed and implement store opened here in the near future.

NEWPORT NEWS, VA.—As reported elsewhere, Covey & Vansant have dissolved partnership. Mr. Vansant retiring. H. C. Vansant has 35,000 square feet of glass and a store on Washington avenue.

Rooted Carnation Cuttings.

New Carnations for 1910.

| | Per 100 | Per 1000 |
|---------------------|-------------------|----------|
| Dorothy Gordon..... | \$75 00 per 1000: | \$10 00 |
| Shasta..... | 12 00 | |
| Scarlet Glow..... | 12 00 | |
| Sangamo..... | 12 00 | |

Carnations of 1909.

| | | | |
|-----------------------|------|-------------------------|------|
| O. P. Bassett..... | 6 00 | Ruby..... | 6 00 |
| Pink Delight..... | 6 00 | Mrs. J. C. Vaughan..... | 6 00 |
| Mrs. Chas. Knopf..... | 6 00 | Georgia..... | 6 00 |

Standard Varieties.

| WHITE VARIETIES. | Per 100 | PINK VARIETIES. | Per 100 |
|------------------------|---------|-----------------------------|---------|
| White Enchantress..... | \$3 00 | Winsor..... | \$3 00 |
| Lady Bountiful..... | 3 00 | Afterglow..... | 3 00 |
| White Perfection..... | 3 00 | Splendor..... | 3 00 |
| Queen Louise..... | 2 00 | Pink Imperial..... | 2 50 |
| The Queen..... | 2 00 | Rose Pink Enchantress..... | 2 50 |
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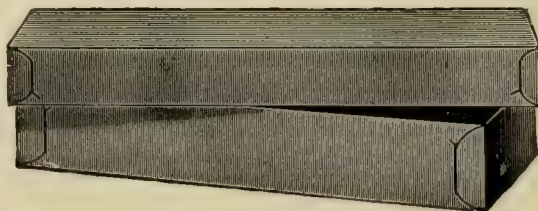
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Carnations, Bay State, \$3 per 100. Beacon, Enchantress, Rose Pink Enchantress, Victory, White Perfection, White Enchantress, Winona, Winsor, \$3 per 100; unrooted cuttings, \$2 per 100. Shepard's Garden Carnation Co., 292 Fairmount St., Lowell, Mass.

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Carnations, Mrs. C. W. Ward, R. C., \$2 per 12; \$12 per 100; \$100 per 1,000. Alma Ward, R. C., \$3 per 12; \$5 per 25; \$9 per 50; \$15 per 100; \$35 per 250; \$60 per 500; \$120 per 1,000. Cottage Gardens Co., Inc., Queens, L. I., N. Y.

Carnations, Enchantress, Perfection, Beacon, \$3 per 100; \$25 per 1,000. Rose Pink Enchantress, Winsor, \$2.50 per 100; \$20 per 1,000. Thompson Carnation Co., Joliet, Ill.

Carnations, Shasta, Sangamo, Scarlet, Glow, Conquest, Admiration, \$12 per 100; \$100 per 1,000. Vaughan's Seed Store, Chi. & N. Y.

Carnation Scarlet Glow, \$12 per 100; \$100 per 1,000. F. Dorner & Sons Co., Lafayette, Ind.

Carnation Shasta, \$12 per 100; \$100 per 1,000. Baur & Smith, Indianapolis, Ind. Patten & Co., Tewksbury, Mass.

Carnations, Shasta, Sangamo, Scarlet Glow, Mary Tolman, Conquest, Admiration, \$12 per 100; \$100 per 1,000. Vaughan's Seed Store, Chicago and New York.

Carnations, Sangamo, Conquest, Mary Tolman, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., Joliet, Ill.

Carnation Georgia, \$12 per 100; \$100 per 1,000. Welland & Olinger, 123 E. 3rd St., Cincinnati, O.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums, Edmond Albe, Elise Papworth, \$5 per doz.; \$35 per 100. Wells-Pockett's set; Monrovia, Virginia, Pohlmann. E. G. Hill Co., Richmond, Ind.

Chrysanthemums, snow white sport of Helen Frick, stock plants, \$3 per doz.; small plants, \$2 per doz. Henry Eichholz, Waynesboro, Pa.

Chrysanthemum, white sport of Helen Frick, \$2 and \$3 per doz. Henry Eichholz, Waynesboro, Pa.

Chrysanthemum novelties. Charles H. Totty, Madison, N. J.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

Chrysanthemums. Elmer D. Smith & Co., Adrian, Mich.

CINERARIAS.

Cinerarias, 6-in. 25c to 35c each. G. Aschmann, 1012 W. Ontario St., Phila.

Cinerarias. J. C. Schmidt, Bristol, Pa.

CLEMATIS.

Clematis paniculata, field, 1-yr., 6c; 2-yr., 10c. Dingee & Conard Co., West Grove, Pa.

Clematis, Bobbink & Atkins, Rutherford, N. J.

COLEUS.

Coleus, 10 kinds. Byer Bros., Chambersburg, Pa.

Coleus, extra fine stock in top cuttings, 75c; 2½-in., \$2, 15 kinds. Mosbaek Greenhouse Co., Onarga, Ill.

Coleus, Verschaffelti and Golden Bedder, 2-in., \$2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

CYCLAMENS.

Cyclamens, 5-in., \$4.50 per doz. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Cyclamens, 3-in., \$7 per 100; 4-in., \$15. D. U. Augsburg & Sons Co., Peoria, Ill.

Cyclamens. Geo. A. Kuhl, Pekin, Ill.

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Dahlias, six novelties of special merit, Corona, Charles Clayton, W. K. Jewett, Manitou, Princess Yelive, The Baron, other novelties and the best standard varieties. The best is the cheapest. Prices reasonable and fair dealing guaranteed. Hollyhocks and other hardy plants. Catalogue. W. W. Wilmore, Box 382, Denver, Colo.

Dahlias, Countess of Lonsdale, \$8 per 100. Black Beauty, Elegante, \$3. Arabella, Earl of Pembroke, \$6. All large roots. Order today. Wagner Park Conservatories, Sidney, Ohio.

Ohio dahlia, field roots, 75c each; \$8.50 per doz. J. M. McCullough's Sons Co., 316 Walnut St., Cincinnati, O.

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Dahlias. Pape & Bergmann, Quedlinburg, Germany.

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Dracena indivisa, 3-in., 5c; 4-in., 12c. Mosbaek Greenhouse Co., Onarga, Ill.

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Easter stock: Azaleas, hydrangeas, Baby Ramblers, White Ramblers, Souperets, lilies, hyacinths, etc. Geo. A. Kuhl, Pekin, Ill.

FERNS.

Ferns, Improved Elegantisima, 4-in., \$3 per doz.; 6-in., \$9 per doz.; 8-in., \$12 to \$18 per doz. Superblissima, 4-in., \$3 per doz.; 6-in., \$6 to \$9 per doz.; 8-in., \$12 to \$18 per doz. Boston, Piersoni, Whitmani, Scottii, 6-in., \$6 per doz.; 8-in., \$12 per doz. F. R. Pierson Co., Tarrytown, N. Y.

Ferns, Boston, 2½-in., \$4.50 per 100; 4-in., \$15; 5-in., \$25; 7-in., \$60. Whitmani, 2½-in., \$5 per 100. Assorted ferns for dishes, 2-in., \$3. D. U. Auspurg & Sons Co., Peoria, Ill.

Ferns, Scottii, Whitmani and Elegantisima, 3-in., 10c. Piersoni and Boston, 3-in., 8c. Piersoni Elegantisima and Whitmani, 5-in., 30c. Mosbaek Greenhouses, Onarga, Ill.

Ferns, Neph. Todeaoides, 5½, 6 and 7 in., 35c to \$1 each. Pteris Victoria, 6-in. pans, 30c per pan. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Nephrolepis Whitmani, 4-in. pots, 8c each; 3-in. pots, 5c each; 2½-in. pots, 3c each; 2½-in., 2½c each; runners, 1c. Ley & Bro., Highland, N. Y.

Dwarf ferns for fern dishes, 6 best sorts, in fine condition, 2c; \$18 per 1,000. The Good & Reese Co., Springfield, O.

Ferns, Piersoni, Barrows, Scottii and Elegantisima, 4-in., \$15 per 100. Wagner Park Conservatories, Sidney, O.

Ferns for dishes, asst., 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

Fern Nephrolepis Glatrasii, 2½-in., \$3.50 per doz.; \$25 per 100; \$200 per 1,000. George Glatras, 463 Summit Ave., W. Hoboken, N. J.

FERNs, Boston, 2-in. pots, \$2.50 per 100. Piersoni, 2-in. pots, \$2.50 per 100. Cash. Chillicothe Floral Co., Chillicothe, O.

Ferns, Whitmani, 4-in., 10c; 2½-in., 8c; \$25 per 1,000. John A. Doyle, Springfield, O.

Ferns, Boston, 4 and 5-in., \$15 and \$20 per 100. F. C. Riebe, Webster, Mass.

Ferns, all kinds. Geo. A. Kuhl, Pekin, Ill.

Ferns, Boston, 3-in., 25c each. Whitmani, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns, Whitmani, 2½-in., \$5 per 100. Henry H. Barrows & Sons, Whitman, Mass.

Ferns, Scottii, 5-in., 20c; 6-in., 30c. W. W. Coles, Kokomo, Ind.

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Ficus elastica, 20 to 24-ins., extra fine, \$3.50 per doz. Wagner Park Conservatories, Sidney, O.

Ficus elastica, 22-24 ins., \$6 per doz.; \$50 per 100. Frank Oechslein, 4911 Quincy St., Chicago.

FUCHSIAS.

Fuchsias, asst., 6 vars., \$3 per 100; \$25 per 1,000. Storrs & Harrison Co., Painesville, O.

Fuchsias, 6 vars., 2-in., \$2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

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Genista racemosa, 5-in., \$3.50 per doz.; \$25 per 100. Storrs & Harrison Co., Painesville, O.

GERANIUMS.

Geraniums, strong 2-in. stock. Heteranthe, Nutt, Jean Vlaud, La Favorite, L'Aube, Hill, \$2 per 100; \$18 per 1,000. Our selection, \$17 per 1,000. Pamela, \$4 per 100. Anastase Lecadre, \$3 per 100. Red Wing, the best novelty of the season, 25c each; \$2.50 per doz. Write for geranium catalogue. F. H. De Witt & Co., Wooster, Ohio.

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GERANIUM CUTTINGS, S. A. Nutt, Gen. Grant, Beaute Poltevine, Jean Vlaud, Mme. Buchner. Large top cuttings, well rooted, \$1.50 per 100; \$15 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Geraniums, Nutt, Buchner, La Favorite, Jean Vlaud, John Doyle, \$2 per 100; \$5 per 300; \$16.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Geraniums, S. A. Nutt and 8 others, 2½-in., \$2.50 per 100; \$20 per 1,000. Jos. H. Cunningham, Delaware, O.

Geraniums, standard sorts, \$2 per 100; \$18.50 per 1,000; 2-in. pots. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, dbl. Grant, Castellane, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Geraniums, leading vars., 3-in., \$3.50 per 100. F. C. Riebe, Webster, Mass.

Geraniums, ivy. J. C. Schmidt, Bristol, Pa.

GREENS.

Greens, fancy and dagger ferns, \$1.75 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large bales, \$1.25; Leucothoe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch, 50 lbs., \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens dagger and fancy ferns, \$1.50 per 1,000. Bronze and green galax, \$1 per 1,000; \$8.50 per 10,000. Leucothoe Sprays, \$1 per 1,000; \$7.50 per 10,000. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, galax, green or bronze, 50c per 1,000. Leucothoe sprays, green, 2 ft. up, \$2.50 per 1,000; 16 ins. up, \$1.50 per 1,000; bronze, \$4 per 1,000. Tuckaseegee Evergreen Co., Sylva, N. C.

Greens, southern wild smilax. Log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, cut palmetto and cypress leaves, galax, leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cottonas & Co., 33 W. 28th St., New York.

Asparagus plumosus, strings, 50c each. W. H. Elliott, Brighton, Mass.

HELIOTROPES.

Heliotrope, Miss Bernice, 2½-in., \$8 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Heliotrope, \$1 per 100; \$8 per 1,000. S. D. Brant, Clay Center, Kans.

Heliotrope, R. C., 75c per 100 prepaid. Cash. Chas. Frost, Kenilworth, N. J.

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Hydrangea Arborescens Grandiflora Alba. The true large flowering forcing variety, warranted true, 2½-in. pots, \$3 per 100; 1-year field-grown, strong, 12 to 18 inches, \$6 per 100; \$55 per 1,000. New trade list ready. Write for it today. The Good & Reese Co., The Largest Rose Growers in the World, Springfield, O.

Hydrangea Arborescens Grandiflora Alba. We have the largest stock of strong 2-year plants in America. Plants 2 to 3 feet, \$2.50 per doz.; \$15 per 100; \$140 per 1,000. Good plants, 15 to 20 inches, \$10 per 100. List free. E. Y. Teas, Centerville, Ind.

Hydrangea Arborescens Grandiflora Alba (grown from stock obtained from The E. G. Hill Co.). Field grown 15 to 20 ins., \$7 per 100; \$65 per 1,000; a smaller size, \$5 per 100; 2½-in., \$3 per 100; \$25 per 1,000. John A. Doyle, Springfield, O.

Hydrangeas, R. C., \$1.50 per 100; 2-in., 50c per doz.; \$4 per 100; 3-in., \$1 per doz.; \$8 per 100. D. U. Auspurg & Sons Co., Box 778, Peoria, Ill.

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Hydrangea paniculata grandiflora, 18 to 24 ins., 6c; 2 to 3 ft., 9c. Dingee & Conard Co., West Grove, Pa.

Hydrangea Otaksa, pot-grown, 6-in., \$15 per 100. Jackson & Perkins Co., Newark, N. Y.

Hydrangeas. Geo. A. Kuhl, Pekin, Ill.

IVY.

Ivy, R. C., English \$1; German, 50c per 100, prepaid. Chas. Frost, Kenilworth, N. J.

LANTANAS.

Lantanas, 8 vars., 2-in., \$2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

LILACS.

Lilacs. Jacs Smits, Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley, London Market, \$1.75 per 100; \$1.4 per 1,000. Premium, \$1.50 per 100; \$1.2 per 1,000. International, \$1.25 per 100; \$1.0 per 1,000. Vaughan's Seed Store, Chicago and New York.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

For Sale—9 cases of the choicest German Valley pips, in 2500 lots at \$45 per case of 2500. Pips are now in cold storage in San Francisco. Address Las Palmas Greenhouses, Palo Alto, Calif.

Lily of the valley, cold storage, 250, \$3.50; per 1,000, \$13. W. C. Beckert, Northside, Pittsburgh, Pa.

Lily of the valley. H. N. Bruns, 3040 W. Madison St., Chicago.

LOBELIA.

Lobelia, Kathleen, Mallard, 2-in., \$2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

MOONVINES.

Moonvines, 2-in., \$3 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture, American Spawn Co., St. Paul, Minn.

Mushroom Spawn. Sure Crop, \$8 per 100 lbs. Weeber & Don, 114 Chambers St., N. Y.

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Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, the newest lilacs, dbl. and single. Fruit and ornamental trees, shrubs, roses, hardy plants. Ellwanger & Barry, Mount Hope Nurs., Rochester, N. Y.

Viburnum plicatum, 2 to 3 ft., 12c; 3 to 3½ ft., 15c. Dingee & Conard Co., West Grove, Pa.

Nursery stock, Clematis, ampelopsis, tree hydrangeas, lilacs, shrubs, vines and perennials. Jackson & Perkins, Newark, N. Y.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock arbor vitae (Thuja occidentalis), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock. Vines, perennials, conifers, shade and fruit trees, hedge plants. Jackson & Perkins Co., Newark, N. Y.

Trees, shrubs, evergreens, hardy plants. Ellwanger & Barry, Rochester, N. Y.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

ORCHIDS.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchids. Largest stock in the country. Ask for prices. Julius Roehrs Co., Rutherford, N. J.

Orchids, all commercial, cattleyas and novelties. Carillo & Baldwin, Seacaucus, N. J.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids. G. L. Freeman, 388 Appleton St., Holyoke, Mass.

PALMS.

Palms, Kentia Bel., 2½-in., \$10 per 100; 3-in., \$20. Kentia Fors., 2½-in., \$10 per 100; 3-in., \$20. Phoenix, 2 vars., 2½-in., \$4 per 100; 3-in., \$7. Bargains in Lantania Borbonica. D. U. Augspurger & Sons Co., Box 778, Peoria, Ill.

Palms, Kentia Fors., 35 to 50 ins., \$150 to \$3 each; 4-in., 20c. Belmoreana, 4-in., 25c; 3-in., 10c. Cocos Wedd., 3-in., 15c. Lantania Borb., 4-in., 20c. Areca lutescens, 5-in., 35c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Forsteriana, 7-in., 40 to 44 ins., \$4 each; 8-in., 44 to 48 ins., \$5. Storrs & Harrison Co., Painesville, O.

Palms. Bobbink & Atkins, Rutherford, N. J.

PANSIES.

Pansies, extra strong transplanted stock, \$5 per 1,000. Mosbaek Greenhouse Co., Onarga, Ill.

Pansies, German strain, \$2.50 per 1,000. F. C. Riebe, Webster, Mass.

Pansy plants, \$2.50 per 1,000. Jos. H. Cunningham, Delaware, O.

PELARGONIUMS.

Pelargoniums, Mme. Vibert, Sandford's surprise, Linda, Dorothy, Mme. Thibaut, strong, 2-in., \$6 per 100. F. H. DeWitt & Co., Wooster, Ohio.

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Peonies, all vars., Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars., W. & T. Smith Co., Geneva, N. Y.

Peonies only by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

Peonies, Lucretia Dewberry. Gilbert H. Wild, Sarcosie, Mo.

Peonies, sixteen acres. Write for prices. Gilbert H. Wild, Sarcosie, Mo.

Peonies, a superb collection. Jackson & Perkins Co., Newark, N. Y.

PETUNIAS.

Petunias, dbl., mixed colors, \$3 per 100. R. Vincent, Jr., & Sons, White Marsh, Md.

Petunias, dbl. (Dreer's), \$2 per 100; \$5 per 300. J. C. Schmidt, Bristol, Pa.

Petunias, dbl., 2-in., \$2 per 100. Byer Bros., Chambersburg, Pa.

PRIMULAS.

Primroses, obconica, 3-in., \$6 per 100; Baby, 2-in., \$2.50 per 100. D. U. Augspurger & Sons Co., Box 778, Peoria, Ill.

Primula obconica in fine bloom, 10c each. Mosbaek Greenhouse Co., Onarga, Ill.

Primula obconica, 10c each. Mosbaek Greenhouse Co., Onarga, Ill.

Primula obconica. J. C. Schmidt, Bristol, Pa.

PRIVET.

50,000 California privet and Ampelopsis Veitchii, field-grown. Benj. Connell, Merchantville, N. J.

California privet, 12 to 18 inches, branched, \$10 per 1,000. Larger sizes at low rates. E. Y. Teas, Centerville, Ind.

RHODODENDRONS.

Rhododendrons, 18 ins., 8 to 12 buds, \$9 per doz.; 24 ins., 12 to 15 buds, \$12. Storrs & Harrison Co., Painesville, O.

Rhododendrons, \$6, \$9, \$12, \$15, \$18 per doz. Bobbink & Atkins, Rutherford, N. J.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

ROOTED CUTTINGS.

Rooted Cuttings, prepaid: Heliotrope, \$1. Fuchsias, 8 kinds, \$1. Paris daisies, yellow and white, \$1. Cuphea, 75c. Vinca Var., 90c. Coleus, 10 kinds, 60c. Alternantheras, 3 kinds, 50c. Ageratum, 3 kinds, 60c. Swainsona alba, \$1. Dbl. petunias, 10 kinds, \$1. Feverfew, Gem, \$1. Flowering begonias, 8 kinds, \$1.25. Byer Bros., Chambersburg, Pa.

Rooted Cuttings: Coleus, 10 varieties, 60c per 100; \$5 per 1,000. Salvias, 75c per 100; \$6 per 1,000. Double Petunias, \$1 per 100; \$9 per 1,000. Heliotrope, \$1 per 100; \$9 per 1,000. Ageratum, 50c per 100; \$4 per 1,000. Begonias (Gracilis), \$1 per 100; \$9 per 1,000. Birmingham Landscape and Nursery Co., P. O. Box 663, Birmingham, Ala.

Rooted cuttings: Verbenas, 70c per 100; \$6 per 1,000. Mums, \$1.25 per 100; \$10 per 1,000. Daisies, white and yellow, \$1 per 100; \$8 per 1,000. Alyssum, 80c per 100; \$7 per 1,000. Feverfew, \$1.25 per 100; \$10 per 1,000. Mme. Sallerio, \$1.25 per 100; \$10 per 1,000. C. Humfeld, Clay Center, Kans.

ROSES.

Roses, White Killarney, R. C., \$6.50 per 100; \$60 per 1,000; 2½-in., \$8.50 per 100; \$75 per 1,000; grafted, \$14 per 100; \$125 per 1,000. Pink Killarney, R. C., \$4 per 100; \$35 per 1,000; 2½-in., \$6 per 100; \$55 per 1,000; grafted, \$12 per 100; \$110 per 1,000. My Maryland, R. C., \$4 per 100; \$35 per 1,000; 2½-in., \$6 per 100; \$55 per 1,000; grafted, \$12 per 100; \$110 per 1,000. Richmond, R. C., \$3.50 per 100; \$30 per 1,000; 2½-in., \$5.50 per 100; \$50 per 1,000. Maids, Brides, R. C., \$3 per 100; \$25 per 1,000; 2½-in., \$5 per 100; \$45 per 1,000. Am. Beauties, R. C., \$4 per 100; \$35 per 1,000; 2½-in., \$7 per 100; \$65 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, dormant stock. Crimson Rambler, 2-yr., branched, own roots, \$2 per doz.; \$15 per 100; 2-yr., budded, \$2 per doz.; \$15 per 100; 3-yr., budded, \$3 per doz.; \$18 per 100; 4-in., \$10 per 100. Tausendschon, 2 yr., grafted, \$12 per 100; \$25 per 100. Lady Gay, 2-yr., \$3 per doz.; \$20 per 100. White Baby Rambler, 3-in., 15c each; 4-in., 25c each; \$2.50 per doz.; \$20 per 100. Baby Rambler, 1st size, budded, 3-yr., \$2.50 per doz.; \$16 per 100; \$150 per 1,000; 2nd size, grafted, 2-yr., \$2 per doz.; \$12 per 100; \$100 per 1,000; pot-grown, 2½-in., 75c per doz.; \$5 per 100; 3-in., \$1.25 per doz.; \$3 per 100; 4-in., \$2 per doz.; \$12 per 100. Vaughan's Seed Store, Chicago and New York.

Roses, dormant field-grown, own roots. Sweetheart, T. Blumschen, La Flamma, Trier, D. Perkins, Lady Gay, Debutante, Hiawatha, 12c each. Tausendschon, Barbier, 20c. Dingee & Conard Co., West Grove, Pa.

Roses, for forcing, hybrid perpetuals and Ramblers. Jackson & Perkins Co., Newark, N. Y.

Roses, on own roots, budded, bedding, H. Ps., hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Taft rose, 2½-in., \$15 per 100. J. M. McCullough's Sons Co., 316 Walnut St., Cincinnati, O.

Roses, Crimson Ramblers, Souperets, Hermosa. Geo. A. Kuhl, Pekin, Ill.

Roses, Bride, Maid, Golden Gate, 3-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

Roses, Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

Roses, leading varieties. Leedle Floral Co., Springfield, Ohio.

Rose Radiance, 2½-in., \$18 per 100. John Cook, 318 Charles St., Baltimore, Md.

Roses, 3-in. Wood Bros., Fishkill, N. Y.

SALVIAS.

Salvia, good strong stock, 2½-in., \$2.50 per 100, named varieties. Mosbaek Greenhouse Co., Onarga, Ill.

SEEDS.

Seeds, Alyssum Carpet Queen, \$5 per oz.; tr. pkt., 25c. Phlox Dwarf Fireball, oz., \$2.50; tr. pkt., 35c; Roseball, oz., \$2; tr. pkt., 30c; Snowball, oz., \$3; tr. pkt., 40c; Cicely, oz., \$2.50; tr. pkt., 35c; Salvia Fireball, oz., \$4; tr. pkt., 50c; King of Scarlets, oz., \$10; tr. pkt., 50c; Zurich, oz., \$8; tr. pkt., 50c. O. V. Zangen, Hoboken, N. J.

Seeds, Sprenger, 75c per 1,000 seeds. Petunias dbl. fringed, trade pkt., \$1; single, 50c; California giants, 50c. Salvia Zurich, oz., \$5; Triumph, oz., \$5. Moon flower, white, 35c. W. C. Beckert, 103 Federal St., North Side, Pittsburgh, Pa.

Seeds, Lobelia Crystal Palace compacta, Salvia, Splendens and Bonfire, Centaurea Gym., Cobaea scandens, Mignonette, N. Y. Market, Begonia Vernon, Draena indivisa, Primula Chinensis, Schizanthus Wisetonensis, Onion Ailsa Craig, Tomato The Don. Weeber & Don, 114 Chambers St., New York.

Vaughan's New Crop flower seeds. For varieties and prices see advertisement page 141 in this issue. Vaughan's Seed Store, Chicago and New York.

Seeds, onion, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, Cauliflower and cabbage. Hjalmar Hartman & Co., 31 Barclay St., New York, and 12 Stormgade, Copenhagen.

Seeds, Phoenix Roebeleni. Sander, T. Mellstrom, Representative, 235 Broadway, New York.

Seeds, specialties: Stocks, pansies, cyclamens, etc. Pape & Bergemann, Quedlinburg, Germany.

Seeds for the market gardener. German Nurseries & Seed House, Box 245, Beatrice, Neb.

Seed, perennial rye grass, lb., 6c; 100 lbs. \$5.50. The Avenue Floral Co., 3442 St. Charles Ave., New Orleans, La.

Seed, pansy, 1,000 seeds, 25c; 1 oz., \$2.25. H. Wrede, Lunenburg, Germany.

Seeds, Simon's Hot Weather lettuce. I. N. Simon & Son, Philadelphia.

Seeds, sweet peas, Christmas Pink and Denzer, \$2 lb. Chas. H. Totty, Madison, N. J.

Seeds, flower. Frederick Roemer, Quedlinburg, Germany.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, asters. James Vick's Sons, Rochester, N. Y.

Seeds. Landreth Seed Establishment, Bloomsdale Farms, Bristol, Pa.

Seeds, Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Vegetable seeds, plants, sold direct. Catalogue free. Glick Seed Farms, Lancaster, Pa.

Seed, asters. Vick & Hill, Box 4613, Rochester, N. Y.

Seeds, garden, field and flower. S. D. Woodruff & Sons, 82-84 Dey St., New York.

Contract Growers.

Seeds, peas, beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbena. Waldo Rohmert, Gilroy, Calif.

Seeds, sweet peas. Anton Zvolanek, Boundbrook, N. J.

Seeds, growers for the wholesale trade only. Brasian Seed Growers' Co., San Jose, Calif.

California seed contracts. Kimberlin Seed Co., Santa Clara, Calif.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds, field, garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

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Smilax plants, 2 1/4-in., \$1.50 per 100; \$12 per 1,000. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia, Pa.

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Smilax. Wood Bros., Fishkill, N. Y.

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Spireas. J. Smits, Ltd., Naarden, Holland.

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Verbenas, rooted cuttings, our selection, 75c per 100; \$6 per 10,000; plants, 2 1/4-in., our selection, \$2.50 per 100; \$20 per 10,000; R. C., purchaser's selection, 90c per 100; \$3 per 10,000; plants, 2 1/4-in., \$3 per 100; \$25 per 10,000. J. L. Dillon, Bloomsburg, Pa.

Verbenas, R. C., 70c per 100; \$6 per 1,000. S. D. Brant, Clay Center, Kans.

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Vinca var., 2-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Vinca Variegated, field, \$4 per 100. F. C. Riebe, Webster, Mass.

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Kessler Bros., 50 W. 28th St., New York.

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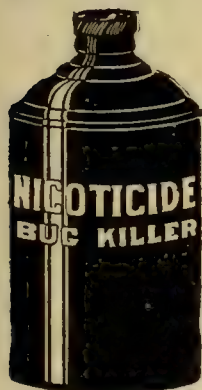
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Headquarters for wire work. Send for list. F. W. Ball, 31 E. 3rd St., Cincinnati, O.

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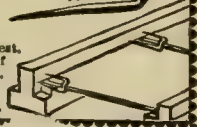


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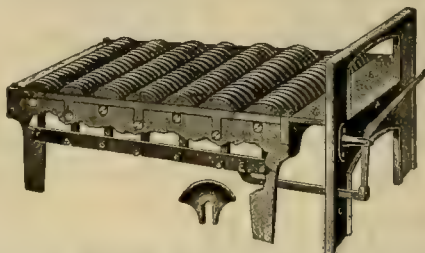
At the regular monthly meeting of the Horticultural Society, held in its rooms February 28, after routine business had been transacted, the matter of the fall show was taken up and the dates fixed for November 1-3. The committee appointed at a former meeting to make inquiries regarding a suitable place for the show reported that the Tarrytown hall could not be had, but that very suitable arrangements could be made for the Irvington town hall. The committee reported this as being equally as large as the Tarrytown hall and even better suited for the purpose of a flower show. In its recommendation it was decided to hold it there. John Brunger, gardener to I. N. Seligman, Irvington, was appointed manager of the show. The monthly prize, for two plants of cyclamen, was won by James Stuart, gardener for Mrs. F. A. Constable, Mamaroneck, with splendidly grown specimens. So highly did they appeal to the judges that they recommended the awarding of a cultural certificate in addition to the regular prize. On a vote of the members present being taken, the certificate was unanimously awarded.

The subject of the evening being "Cyclamens," Mr. Stuart, being prize winner, was asked to set the ball rolling and gave a very instructive account of the method by which he obtained such good results. He said that the best time for sowing was the middle of August and strongly advised the procuring of new seed, as his experience was that this germinates much quicker and more strongly than old seed. For compost he used a mixture of loam, leaf-mould and sand with enough finely broken charcoal



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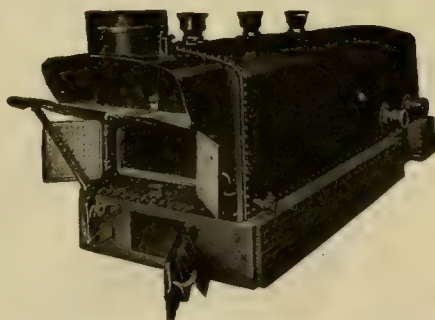
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to insure openness and free drainage. Flats are used in preference to pans and seeds sown in shallow drills in place of broadcast so that the surface of the soil can be worked over occasionally to prevent moss or scum from gathering.

The seeds are covered only lightly with soil and the boxes closely covered with glass to prevent evaporation. A temperature of 60° is maintained with plenty of atmospheric moisture. When the seedlings are up plenty of light is allowed, but shade always provided against strong sunshine. When the second or third leaf appears the seedlings are pricked over into flats again, in preference to pots, where they remain until large enough to be potted into 3 or 3½-inch pots. For Christmas flowering they are shifted when ready into 5 or 6-inch pots, but when intended for spring flowering they are given another shift, 7-inch pots being used. In summer they are kept in the coolest possible

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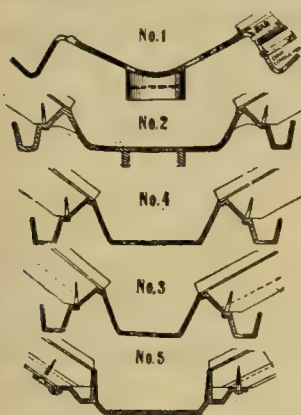
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house and when fall comes a temperature of not less than 55° is maintained until such time as the flowers begin to show. Then the temperature is lowered to from 45° to 50° at night and when in full flower air is freely given, a little being allowed at night to insure a dry atmosphere and prevent damping. In the general potting compost a liberal supply of well-rotted manure is added to that formerly advised and the potting is done moderately firm. Cleanliness, both in the house and benches, he strongly advises. Also every precaution to pre-

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For repairing split carnations. 1000 for 50 cents
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vent insect enemies from getting a hold on the plants. A solution of soft soap and kerosene he considers the best insecticide, this being used freely as a spray both on the plants and benches as a preventive against the cyclamen mite. In growing plants over the second year he preferred to keep them growing along steadily in place of drying off, as some do, and retaining as much of the old foliage as possible, but keeping all decayed flowers and leaves closely picked off. In conclusion, Mr. Stuart said that to be a successful cyclamen grower one had to have a special interest in the plants, to pay strict attention to details and be on the job all the time.

At the next meeting of the society the subject is to be roses, the monthly prize being offered for a vase of 12 other than American Beauty. W. Hendry, gardener to W. A. Read, Purchase, N. Y., will give a talk on "Rose Culture." For the March meeting the prize is offered for three varieties of forced vegetables. W. S.

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Half barrels, (25 gallons), per gal. \$1.35. 5 gal. pails, per gal. \$1.40

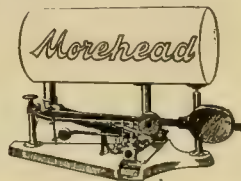
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ATLANTIC CITY, N. J.—Mrs. M. S. Fleming of the Ocean Height greenhouses has opened a retail store to be known as the Ocean Height Flower Shop and has engaged W. F. Shean as manager. The store is at 1315 Pacific avenue.

MOHAWK, N. Y.—Wm. Dobler, Little Falls, has purchased W. D. Snell's greenhouses. These are new and contain about 7,000 feet of glass. He will take possession March 1 and Mr. Snell will devote his time to his greenhouses at Herkimer.



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The following scores were rolled on Thursday last:

| Violets. | 1st. | 2d. | 3d. | Roses. | 1st. | 2d. | 3d. |
|----------|------|-----|-----|------------|------|-----|-----|
| Bergman | 160 | 119 | 151 | Goerisch | 154 | 178 | 145 |
| Johnson | 118 | 132 | 144 | Lorman | 177 | 121 | 107 |
| Kruchten | 146 | 111 | 115 | Pleser | 119 | 115 | 108 |
| Yarnall | 143 | 160 | 167 | Wolf | 166 | 162 | 179 |
| Totals | 567 | 522 | 577 | Totals | 616 | 576 | 539 |
| Orchids. | 1st. | 2d. | 3d. | Carnat'ns. | 1st. | 2d. | 3d. |
| Huebner | 166 | 138 | 164 | Farley | 148 | 180 | 192 |
| Graff | 134 | 176 | 117 | F. Ayres | 169 | 148 | 153 |
| Byers | 186 | 195 | 169 | Krauss | 143 | 136 | 118 |
| Zech | 179 | 165 | 165 | Pasternick | 118 | 126 | 180 |
| Totals | 665 | 694 | 615 | Totals | 578 | 590 | 643 |

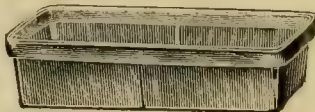
Standing of the Teams February 4, 1910.

| | Total Games. | Total Pins. | Grand Avg. | Won. | Lost. |
|-----------|--------------|-------------|------------|------|-------|
| Violet | 48 | 33851 | 705 11-88 | 30 | 18 |
| Carnation | 48 | 34241 | 713 17-48 | 25 | 23 |
| Orchid | 48 | 32866 | 688 42-48 | 24 | 24 |
| Roses | 48 | 33071 | 688 47-48 | 16 | 32 |

Individual Standing.

| | | | | | |
|-------------------|-------|------|-----|----|----|
| Fisher | 24 | 3922 | 163 | 10 | 24 |
| Bergman | 42 | 2700 | 159 | 22 | 42 |
| J. Zech | 48 | 7557 | 157 | 21 | 48 |
| Wolf | 48 | 7501 | 156 | 13 | 48 |
| Asmus | 21 | 3276 | 156 | | |
| A. Zech | 45 | 6992 | 155 | 17 | 45 |
| Yarnall | 48 | 7418 | 154 | 26 | 48 |
| E. Johnson | 42 | 6420 | 152 | 36 | 42 |
| Farley | 48 | 7093 | 147 | 37 | 48 |
| Ayres | 48 | 7086 | 147 | 30 | 48 |
| Graff | 48 | 7010 | 146 | 2 | 48 |
| Huebner | 48 | 6952 | 144 | 40 | 48 |
| Winterson | 12 | 1714 | 142 | 10 | 12 |
| Pasternick | 45 | 6322 | 140 | 32 | 45 |
| Goerisch | 33 | 4618 | 139 | 31 | 33 |
| McKellar | 12 | 1645 | 137 | 1 | 12 |
| F. Johnson | 14 | 1881 | 134 | 5 | 14 |
| Kruchten | 42 | 5522 | 131 | 20 | 42 |
| Krauss | 48 | 6307 | 131 | 19 | 48 |
| Lorman | 18 | 2369 | 131 | 11 | 18 |
| Liebermann | 45 | 5770 | 128 | 10 | 45 |
| Pleser | 36 | 4461 | 123 | 33 | 36 |
| Vogel | 36 | 3214 | 117 | 2 | 36 |
| High team game | —921. | | | | |
| High team average | —869. | | | | |

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Small Size Measure 9 inches long, 6 inches wide, 3 inches deep.....\$ 9.00
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Large Size Measure, 13 inches long, 7 1/2 inches wide, 4 inches deep,..... 15.00
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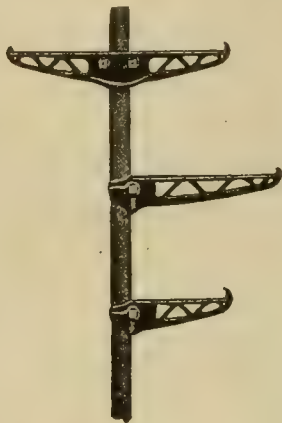
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Please mention size of pipe post when ordering. Remit small amounts in stamps or Money Order.

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The Standard Return Steam Trap

It has no equals for simplicity or its working. Catalogue free.

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Yonkers, N. Y.

A very interesting event horticulturally took place here on the evening of January 28, the inauguration of a horticultural society. It has long been felt that the time was ripe for such a society to be formed and it only required some one to make the initial start. That the efforts of the promoters was a decided success is shown by the fact that nearly 60 members were enrolled. The first meeting was a most enthusiastic one. The following officers were chosen for the year: E. Bennett, president; R. Cochrane, vice-president; W. H. Waite, secretary; Lee Whitman, corresponding secretary; P. Macdonald, treasurer. Executive committee, H. Scott, J. Goff, R. Cummings, L. Taylor, A. Macdonald and T. Mahoney. That the society will be a success there can be no doubt with such men as E. Bennett as president and W. H. Waite as secretary, both having had large experience in such societies and all the other officers and the members of the executive committee are good live men and hustlers.

L. W.

BUFFALO, N. Y.—Educators of this city are planning to have the system of summer school gardens established by the Philadelphia board of education serve as a model, they having been generally regarded as the best of their kind.



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| 2 - 72x18 Tubular Boilers. | 3 - 42x12 Tubular Boilers. | 1 - 36x12 Fire Box Boiler. |
| 6 - 60x16 Tubular Boilers. | 2 - 36x10 Tubular Boilers. | 1 - 36x10 Fire Box Boiler. |
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- | | |
|---|--------------|
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| Complete Hot Bed Outfits, including subframe, top frame and sash, 6x6 ft., 34-in. deep..... | Each 7.98 |

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America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXIV.

CHICAGO AND NEW YORK, FEBRUARY 19, 1910.

No. 1133

THE AMERICAN FLORIST

TWENTY-FIFTH YEAR.

Copyright, 1910, by American Florist Company.
Entered as Second-Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago,

Long Distance Phone: Harrison 7465.

Eastern Office: 1133 Broadway, New York.

Philadelphia, Pa.: Robt. Kift, 1725 Chestnut St.

Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a year; Canada, \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from the trade. Volumes half yearly from August, 1901.

Address all correspondence, subscriptions, etc., American Florist Co., 324 Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—F. R. PIERSON, Tarrytown, N. Y., Pres.; FRED W. VICK, Rochester, N. Y., Vice-Pres.; H. B. DORNER, Urbana, Ill., Sec'y; WM. F. KASTING, Buffalo, N. Y., Treas. Next meeting at Rochester, N. Y., August, 1910.
Second National Flower Show, Boston, Mass., March, 1911.

THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at Boston, Mass., March, 1911. FRED. BURKI, Pittsburg, Pa., President; A. F. J. BAUR, Thirty-eighth St. and Senate Ave., Indianapolis, Ind., Secretary.

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at New York, March 16-18, 1910. AUG. POEHLMANN, Chicago, President; BENJAMIN HAMMOND, Fish-kill-on-Hudson, N. Y., Secretary.

AMERICAN PEONY SOCIETY.

Seventh annual meeting at Horticultural Hall, Boston, Mass., June 1910. B. H. FARR, Reading, Pa., Pres.; A. H. FEWKES, Newton Highlands, Mass., Sec'y.

Our Supplements.

Subscribers should see that they get copies of the fine supplementary illustrations showing high grade design and decorative work. These fine supplements appear with each issue and should be carefully preserved, as they mean much to the retail florists in dealing with their customers, illustrating as they do the various kinds of work that the everyday florist is called upon to perform.

The papers in which the supplements appear should be likewise preserved, as they contain much valuable data with regard to these special illustrations. Subscribers should see that they get every issue as otherwise they may miss some of this high grade work.

HALF HOUR CHAPTERS FOR FLOWER GROWERS

Easter Lilies.

There is such an excellent demand for lilies at all times now that growers do not, as formerly, attempt to get all, or nearly all, of them in around Easter. Still there is always a big demand then and March 27 will soon be rolling around. The plants that are to be in on time should now be showing buds distinctly, otherwise they will take very hard forcing. They will stand this, however, if the plants are from good bulbs and well established. Forcing treatment often results in insect attacks, especially green fly, and it will be necessary to fumigate regularly, otherwise the buds will probably be injured. Lilies are often grown in dark houses and on benches a long distance from the glass but these are nearly always drawn in the stems and do not produce so good flowers as others grown in a good light. Plants in small pots will take quite a little feeding up to the time the buds are full grown and before they turn color. After this feeding will do little good.

Dahlias.

The demand for dahlias early in the season is one that cannot be neglected by up-to-date retailers or growers. A few plants should be put in the greenhouse now, whole clumps, if they are not too large, being most suitable, and these should be giving good flowers for Memorial day, long before they can be obtained from outdoor plants. Dahlias are gross feeders in the open, but under glass it is not well to make the soil too rich as the plants are apt to make too much growth at the expense of flowers. A good depth of soil should, however, be allowed and this may be covered, after the roots are planted, with a good thickness of semi-decayed manure, leaves or anything similar to keep the surface moist and prevent too rapid evaporation. Strong heat is not advisable, just a genial growing temperature and sufficient moisture in the atmosphere to keep the plants growing freely and insects in check. The only other attention necessary is to stake

or tie the plants as they grow and to disbud the plants as they advance for flower.

Hardy Perennials.

The number of plants of a perennial habit that can be raised from seed is larger than the majority of people imagine. There is a distinct advantage in raising from seed over raising plants by division. It is cheaper and the constitution of the plants is harder. Pyrethrums raised from seed sown now will flower a little this season after planting out but they will grow into grand stock for another year if set out about 15 inches apart in such a position that they can be covered in winter. Delphiniums sown now will produce fine roots by October that are not so easily lost sight of during winter as are those that are produced from fall sowing. Being strictly herbaceous the stems and foliage die down, directly the time arrives, no matter what the size of the plants and the fall or summer sown ones are so small that many are lost. Sow at once in a greenhouse or frame and plant the seedlings out at one foot apart when large enough and these will be elegant stock for use the succeeding spring as well as producing a few flowers the first year. Shasta daisies, coreopsis, perennial asters and many others may be grown just as easily as those mentioned and the plants will produce much finer and better colored flowers than old plants that are left to linger on the borders year after year, the growth getting weaker and the flowers poorer annually.

Pansies.

Pansy seed sown now will give fine flowers late in the season when the frame plants are getting weakened and the flowers running smaller. There may not be much money in them but they always sell and make a variety in the stock at a time it is needed. Grow them cool from the first in as much air and light as the weather will allow. Plants that are covered up in frames should have the lights removed on bright days when the

temperature rises a few degrees above freezing and be given a thorough airing, taking also the opportunity to remove decayed leaves should any be present. In the greenhouse the plants are flowering freely and the principal attention needed is to scratch over the surface soil to admit air to the roots, ventilate freely and water with judgment.

Cattleyas.

Commercialism is a great leveler and in no instance is this more plainly shown than in the case of orchid growing. The orchid, once the mysterious pet of the old time gardener and the pride of the owner of valuable collections, may now be purchased by those of very limited means and is as well known by sight, almost, as the violet. Strange to say the grower of orchids is the last to wake up to the fact that there is nothing mysterious, nothing difficult about growing the finest of orchids for cutting and he still imagines, if he has had no experience in it, that orchid growing is something outside the pale of the ordinary grower's province, requiring extra skill on the part of those in charge and specially built houses. The truth is that orchids generally, and cattleyas especially, are among the most easily grown plants in existence and a man who can use his eyes and brains sufficiently to grow a good crop of roses in winter has nothing to fear in orchid growing if he will take the trouble to master a few simple details. Possibly the most important thing to remember, and the rock on which many founder, is that orchids, more than most other plants, are dependent more upon the atmosphere and atmospheric moisture for their wellbeing than upon moisture supplied directly to the roots. It is possible to grow orchids on bare poles or in pots containing nothing but crocks; indeed if we could be sure of the atmosphere being correct at all times these conditions would be ideal for phalaenopsis and a few other kinds. But "there's the rub!" Fresh air, ample moisture and the gases arising from decaying vegetation are all present in the tropical homes of these plants. But how can these be provided under a glass roof? When we raise the ventilators to admit air out goes the moisture and any chemical constituent in the atmosphere that we may have supplied. This makes a certain amount of compost necessary to the roots, to conserve moisture about them and prevent sudden changes. But the material must not be close and of a nature to exclude air so we get away entirely from the ordinary potting soil and use moss, lumpy peat and crocks or charcoal, something that air and moisture can pass through readily and will not settle down into a close, wet mass.

Cattleyas in their native forests do not grow on bare branches as do some other genera. As a rule they are found in the forks or crotches of trees where a liberal amount of decayed vegetable matter settles down, where plenty of moisture runs down the stems in rainy weather, but where the heads are more or less protected from rain by the heavy foliage above. This fact should be taken advantage of by growers who should look after

root and atmospheric moisture but avoid heavy syringing overhead which is distasteful to all cattleyas. We are not saying they should never be syringed. There are times when a good washing from the syringe or hose does an immense amount of good. It washes away dust that may be choking up the pores of the leaves; it also replenishes wasted channels with moisture, say during the afternoons in summer when the sun has been shining and the atmosphere is dry. But, as a rule, cattleyas may be said to be overwatered at the roots and overhead and underwatered in the atmosphere. A little thought along this line will be helpful to those starting the culture of these most useful orchids. As to temperature a minimum night winter temperature of 53°, rising 10° by fire heat by day is suitable. A restful temperature by



John T. Timmons.
The Blind Florist of Cadiz, O.

night in summer with plenty of air and moisture and sufficient shade by day to keep the temperature around 85° to 90° will keep all right. It is not so much the actual degree of temperature maintained that leads to success in orchid growing. A suitable atmosphere with heat, air and moisture nicely balanced is far more important.

John T. Timmons.

In the historic little town of Cadiz, O., lives and works John T. Timmons who, though totally blind, is able to carry on a small florist's business. Mr. Timmons is a fine example of a man who, deprived of his sight, has—as is usual in such cases—the sense of touch very finely developed. He is a frequent contributor to several newspapers on horticultural subjects and does his work on the typewriter totally unaided and by the sense of touch. Mr. Timmons is also a naturalist of repute, his special care being for the birds that are such a problem to mankind by their destruction of injurious insects that prey on vegetation. In spite of his affliction he has built quite an elaborate bird house, as well as a greenhouse in which he and Mrs. Timmons, his devoted helpmeet, grow a

fine line of geraniums, heliotrope and other bedding plants. We are glad of the opportunity of noting Mr. Timmons' work and he is worthy of all encouragement.

THE RETAIL TRADE

ST. VALENTINE'S day trade appeared to have been good in most sections. There is no doubt that on such occasions trade is a good deal what the retailer makes it. Where good window displays are made and goods attractively shown, the trade follows.

Funeral Plants.

It is becoming quite a custom here to send plants in bloom, or fine ferns, in place of floral designs to funerals, says W. Clowe, of Corsicana, Tex. In summer we sell a quantity of large plumbagos, both blue and white, in 10 or 12-inch pots, staked four to six feet high in full bloom. These plants stand the sun and dry air here all summer fine. THE AMERICAN FLORIST is to us an old friend, as it is 23 or 24 years since we first subscribed for it, but it is also a new friend every week, which we hope to see for a long time to come.

Plain Cross of Roses.

SEE SUPPLEMENT WITH THIS ISSUE.

Plain outlines of flowers in the form of crosses, anchors, wreaths and other devices are not nearly as artistic as the more ornate designs put up by experienced retailers who have a clientele of moneyed people, who do not mind paying the price, so that the goods are what they want. But, unfortunately, all too many of the retailers' customers need low priced designs and, by the time the wire frame, flowers and other necessities are paid for, there is little left over for high priced help to spend much time on them if they are to show any profit. Here the plain designs come in. Customers may be shown photographs or illustrations of such work and can see just what they are going to get, thus avoiding dissatisfaction, either at the price or the design afterwards.

Crosses may be made solid, with flowers of carnations, asters, small chrysanthemums or whatever flower happens to be in season, other flowers being overlaid on these. Or the mossed frame may be covered with green, such as common fern, galax or leucothoe, and the flowers arranged on this, being of course first mounted on stems of suitable length. Other embellishments, such as maidenhair fern, Asparagus Sprengeri, A. plumosus, or anything else that may be chosen, are put on afterwards. This kind of thing should not be overdone. A little of it is very necessary and a decided improvement, but we have seen it used so freely that many good flowers were hidden and the effect was not nearly as good as it would have been had less green been used. It is much the same with flowers. The decorator who crowds in all the stock he can in a given space will never get so good a result as he who uses less flowers and places them more artistically and further apart. Besides this, there is the important matter of cost to be considered, and this is all in favor of the looser, more natural arrangement.



PLAIN CROSS OF ROSES.

Crepe Chasing by Department Stores.

The Baltimore brethren are apparently getting their troubles all around from the department stores. Death notices in the papers are followed up by the manager of one of these stores and a copy of a circular is mailed to the home of the mourners, giving ridiculously low prices on everything, especially in the way of funeral work. For instance, we note this enterprising firm is willing to make crosses from \$1.50 and wreaths from 39 cents up, with gates ajar, anchors, bouquets, palls and other designs at similar low prices. These are all made up of "choicest" flowers. Palms are offered at nine cents each, privet hedge plants at 25 for 35 cents, with the additional inducement to purchasers that "If they do not grow, will give others in place." Verily, the lot of the Baltimore florist will not be a happy one if this kind of thing continues.

February Flowers in the New York Stores.

Though winter blasts are still howling, thanks to the enterprise of the growers, we have an abundance of spring flowers. Tulips, narcissi and freesias are plentiful. Beside these, the lilacs, forsythias, apple blossoms and other forced stock, contribute largely to the beauty of the window displays in the retail stores. About this time of year the fancy of the people turns toward this class of stock. It may be on account of a longing for something that has a springlike appearance, or a desire for a change from the things that are always with us. Golden Spur narcissus may now be seen in fine quality and this is the most popular member of the whole family. There are various other forms of narcissi on the market, but, excepting Paper White, which is in a class by itself, no variety is at all in the race for popularity with Golden Spur.

The tulips, with a charm of their own, are seen today in profusion, their natural loveliness enhanced by the deft hand of the decorator. A good play requires good scenery and stage settings; a fine painting, to be shown with effect, must be well framed and, following this line of comparison, we find that even a box of tulips used for display purposes in a store, can be made more attractive by a few touches from a skillful hand. Crepe paper covers for the boxes and a few pussy willows distributed among the flowers, an improvised handle decorated with suitable ribbon, are among the schemes of the decorators. The cut stock of both tulips and narcissi is being, at present, much used in table decorations. It pleases the "ultimate consumer" and is good for the various branches of the trade, aside from the rose and carnation specialists, but they, it would seem, can afford to bide their time. A fine quality of white lilac is very noticeable in the retail stores. In pots, it makes a fine display; as a cut stock it is used for various purposes. A little of the purple lilac is seen, but the quality is indifferent. The great stock of freesias now on the market is a feature that cannot be overlooked. Purity is very fine and taken as a whole, while this may not be classed as a leading stock, it looms large this

month and is a pronounced factor in market conditions. We do not have to turn to our encyclopedias of horticulture to learn what forget-me-not means. In this business we cannot ignore sentiment, and the sentiments inspired by these little flowers are such as appeal to every true man and woman. We recently noted the use of forget-me-nots in bridal bouquets, and whether the idea is old or new, it is pleasing and appropriate.

We must crave the indulgence of the rose growers and fanciers for neglecting them thus far, but as they will have a great exhibition in this city in March, we expect them to grasp all the honors of next month. Roses of good quality are not particularly plentiful at present and it is just as well that such a condition exists. The other growers are entitled to their turn at the bat and we must all acknowledge that the rose growers have of late been pounding the ball. To further illuminate these statements it may be said that, with the large stock of spring flowers now on the market, heavy shipments of roses would cause a glut, and the present supply is equal to the demand. Though there are some good American Beauties on the market, considerable of that stock is of indifferent quality. Good stock of Richmond may also be seen, but Richmond is not very popular at this time of year. Killarney and My Maryland continue to be the most popular pink roses, with Killarney leading. While Kil-

The beginning of Lent affected the prices of all stocks, but the carnations seem to have suffered more than some others. From the cultural viewpoint, it is doubtful if so many good carnations were ever before seen in this market in the month of February. Enchantress and its sports, White Perfection, Mrs. J. C. Vaughan, Beacon, Victory, Toreador, and other varieties, are showing fine blooms. Blooms of White House and several other seedlings, notably a scarlet, from the range of Dailledouze Bros., Brooklyn, are attracting much attention in this market. In a measure, gardenias are now in close competition with orchids. They seem to be gaining favor for use in corsage bouquets, in preference to cattleyas. Both are used in combination with violets, and the tendency is toward an increased popularity for gardenias. On the other hand, while the cheaper grades are sometimes used in funeral work, there are objections to them for that purpose on account of their heavy perfume, an objection that cannot be raised against orchids. It is needless to add that it is only in high-priced funeral work that either stock is ever likely to be much used. Lily of the valley, always a good stock, is in fair supply and steady demand. There is a steady movement in both lilies and callas. The latter are not over-plentiful and there seems to be something of a revival of their use in funeral work. At George M. Stumpp's store we recently noted a casket cover in



THE FLOODS IN PARIS.

larney has its faults; it is evident that it will stay at the front until it is an assured fact that there is a better pink rose on the market. Nobody denies that My Maryland is a good rose, but the question is, will it pay the growers as much as Killarney? Neither Bride nor Bridesmaid are yet down and out. Good stock of both these roses is yet to be seen, and with the long run of popularity which they have had, they seem likely to be factors in the trade for some time to come.

The carnations are in great crop and fine form, but, from the financial viewpoint, they are having lean days.

which 800 Bridesmaid roses were used in addition to many callas.

J. G. Leikens had recently in the show window of his Fifth avenue store a splendid display of Golden Spur narcissus in the form of an arch in which 2,000 flowers were used. In the center there was a fine effect in orchids and lilies.

At Alexander McConnell's there is a noteworthy decoration in forsythias and many fine azaleas, rhododendrons and other flowering plants.

J. H. Small & Sons have very effective window decorations in primroses, grouped, and apple blossoms.

THE ROSE.

GROWERS of Kaiserin for summer will have to get busy now.

IN the opinion of many growers White Killarney will not displace Bride and the perfect white rose is yet to be found.

BRIDESMAID certainly seems to be on the toboggan, many experienced growers cutting it out entirely, while others are growing plants of it on order only.

RHEA REID is showing much better form with Chicago growers this season than last. Over propagation is thought to have been the cause of the loss of foliage last year.

English Versus French Manetti.

ED. AMERICAN FLORIST:—

What are the comparative merits of English and French manetti stocks? ROSARIAN.

Our good rose growers who do their own grafting concede, generally, that English manetti stocks are superior to French, because they are grown more carefully. All the bottom eyes, which would be liable to sucker, are removed, leaving only about two eyes at the top of the stock. The French stocks, as far as I have used them, have not had this careful treatment. The English stocks, moreover, are carefully graded into sizes (diameters) better than the French. ROBERT CRAIG.

We have used so little French manetti that we really have had no chance to compare it with the English.

We graft a great many roses and believe that Irish, English and Scotch are the best, though they cost very much more than the French. We therefore buy the best we can get, but have had no chance to make comparison. This year we have been unable to get our full supply of Irish, Scotch and English manetti stocks, and therefore have placed our order for some French, but have not received them yet. A. N. PIERSON.

I have never made a fair comparative test of the French and English manetti stocks. Am using English this year, as the French is very hard to get. Under ordinary conditions I have doubted if the English stocks were worth the additional cost, compared with good French stocks. W. H. ELLIOTT.

I regret my inability to answer the above inquiry as my experience has been altogether with English grown manetti. LAWRENCE COTTER.

We have never used any English manetti stocks. HOOPES, BRO. & THOMAS CO.

German Opinion on Roses for Forcing.

The cultivation of roses in pots remains still an important branch of commercial gardening, notwithstanding the advances made in cultivation in the open ground and on benches in the American mode. With pot culture it is possible for anyone with standing room for pots to force roses, and the raising of varieties well fitted for producing fine blooms on forced

plants has given a renewal of life to rose culture under glass. We give here the names of modern varieties suitable for either early or late forcing.

Gruss an Achen (polyantha).—Excellent as a pot rose, or for cutting when short stalked flowers are required. It is a profuse bloomer, color light rose, with a yellow tinge, sometimes coming of large size, full and fragrant.

Mrs. W. Cutbush (polyantha).—Flower light rose, coming in great bunches; it is presentable for a long time and a continuous bloomer; growth compact and bushy; resembling Mme. N. Levassieur, one of its parents.

Richmond (hybrid tea).—A half full flower of middle size, in color a fiery scarlet, an enduring color, which the earliest forcing does not spoil. Flowers are produced on every shoot, and these are of great length. The finest blooms come on plants grown in moderately heavy soil.

General McArthur (hybrid tea).—Flower brilliant scarlet, pretty flower bud, full and enduring when cut from the plant, very good for autumn flowering.

Elsie von Schwichow (Red Caroline Testout).—In every point excepting its color, which is brilliant carmine, this resembles its namesake. A fault found in the variety is that the shoots are as prickly as those of C. Testout.

Pharisaer (hybrid tea).—The flower is of a light rose tint, having a dark shade; very long well formed bud, which when half open is very ef-



BEGONIA GLORY OF CINCINNATI, NOW OFFERED BY J. A. PETERSON, CINCINNATI, O.

Begonia Socotrana Crossed With Sport of B. Gloire de Lorraine.



BEGONIA PATRIE AS GROWN BY SAMUEL MURRAY, KANSAS CITY, MO.

fective. It is one of the best long-stalked roses, whether in the open, in frames or forcing house. The blooms bear transport without injury, and come on continuously after the first cutting, the second flowers being the equal of the first crop.

Reichskanzler (hybrid tea).—Color a beautiful pink, with a silvery sheen; blooms very large, full and with the fragrance of La France. Flower stalks always long till the end of the season. In growth the plant resembles J. C. Schmid's Otto von Bismarck, but its identity with the latter is not as yet ascertained.

Mrs. Aaron Ward (hybrid tea).—The bloom is alabaster white, and light rose. Apart from the color effect, it has a pretty flower bud, a good full shape, and pleasant fragrance. For cutting it is excellent, and requires a heavy soil.

Mme. P. Varin Bernier (tea).—The flower varies from light to deep yellow, is moderately full, and strongly fragrant. The bud is magnificently ornamental, and should be cut at an early stage.—Die Gartenwelt.

PITTSFIELD, MASS.—S. G. Barnes has opened a retail business here with Robt. L. Smith as a partner.

Begonia Patrie.

The illustration herewith gives a good idea of the new begonia sent out by Lemoine of Nancy, France (the originator of B. Gloire de Lorraine), whose description we append: "This new winter flowering begonia is a hybrid between B. Socotrana and a variety of B. Pearcei, a tuberous species with velvety foliage and yellow flowers. It has the same growth as B. Gloire de Lorraine, but is distinguished by its greater vigor, its more stocky habit, by the nature of its larger, more solid and fleshy leaves, and lastly by the more vivid color of its flowers. Its culture is also much easier, and its propagation more rapid.

"The flower clusters cover the plant like a dome, and bend in graceful curves. The flowers, almost all male, are four-petaled and almost as large as those of B. Gloire de Lorraine; their color is a deep, coppery salmon red with a lighter reflex; they are so numerous that a plant 10 inches high and of the same diameter bears several hundred at a time, for each flower is extremely lasting; like those of B. Gloire de Lorraine, its flowers remain persistently on their pedicels, never falling, but remaining fresh for more than a month without fading. It flowers from November to April. We con-

sider Begonia Patrie a plant with a great future. It will rival B. Gloire de Lorraine, which we gave to horticulture 15 years ago, and we have reason to believe that those who have cultivated this latter with success and profit will be equally interested in this new introduction."

Repotting Geraniums.

ED. AMERICAN FLORIST:—

I have a lot of stock plants of geraniums in 4-inch pots which I have been taking cuttings from. I want them for spring sales, but they are now pot bound. The demand for 5-inch stock is small and I would like to repot them in the same size pots. Would it be advisable to take off part of the top soil and repot with fresh soil, and how much bone flour would you use?

G. A. R.

This would be an excellent plan. Remove the greater part of the soil when repotting and shorten the strongest roots a little, then repot firmly in the same size pots. One to two quarts of bone meal to a wheelbarrow load of soil, according as this is good or the reverse, will be about right.

G.

The Fancy-Leaved Caladiums.*

SPECIES.

C. speciosum, *C. venosum* and *C. Albanense*.—These three species represent a new type, which has rather long, pointed, narrow leaves, lacking the hind lobes or appendages. They were discovered by L. Forget in Brazil, and introduced by H. F. Sanders in 1897. Descriptions of these will be found in a previous paragraph.

C. sagittatum. Leaves blue green, sagittate. Brazil. Ill. Hort. xxxviii, p. 138.

HYBRIDS OF *C. BICOLOR* AND ALLIED FORMS.

Candidum (Bl.) Pure white ground, green ribs and veins. One of the finest varieties and very distinct.

Euterpe (Bl.) Center and ribs bright red border glossy green, densely spotted white.

Ibis Rose (Bl.) Delicate pure rosy red, petioles green. A rather weak grower.

Madame Alfred Bleu Major (Bl.) Dark green with metallic lustre, deep red ribs and veins, interspaces spotted pure white.

Ornatum (Bl.) Ground color deep olive-green, deep red midrib and nerves. The entire leaf is covered with a network of deep red veins. Very distinct and beautiful.

Triomphe de l'Exposition (Bl.) 1867. Large glossy crimson center and ribs, green border.

Acary (Lietze.) Violet ribs and center, lighter red zone, green border, conspicuously dotted with large carmine spots.

Araras (L.) Immense leaves, white and pink, green ribs and veins.

Arassuahy (L.) Most beautiful rose colored leaf with a golden hue, ribs and veins green edged with a fine thread-like golden stripe.

Bahia (L.) Leaves first milky-white, becoming overlaid with a most exquisite deep pink or rosy-red color.

Barao de Mamore (L.) Center and ribs very dark red and interspaces greenish gray. Later in mature leaves the interspaces change first into a beautiful pink and finally into almost pure white. Medium grower, and a favorite everywhere.

Bendego (L.) A seedling of a hybrid, fertilized with the pollen of *Alocasia plumbea*. Rose colored leaf with metallic lustre, dark green ribs and veins.

Bilontra (L.) Transparent violet-blue center, pale green zone, deep green border.

Caxias (L.) Large cream-colored leaf, crimson-brown ribs, very satiny.

Diamantina (L.) One of the finest. Ground color a deep pink or rosy red, transparent, glittering like mother-of-pearl, carmine ribs; the color of the center extends into the deep green border in the form of pearly white spots.

Dr. Augusto de Castro (L.) Very vigorous in growth with large painted leaves. Ground color white veined green and red, very conspicuous crimson ribs, bordered very dark red.

Dona Carmen de Macedo (L.) Transparent rosy red with light green ribs and veins. Very beautiful.

Gartendirektor Gireond (L.) Creamy white ground color, red spots, white ribs and clouded deep green. Very effective.

Itapocu (L.) Large red leaf with deep metallic lustre.

Mucuripe (L.) Center pink, suffused with rose, border pea green with numerous delicate violet veins, ribs violet.

Porto Novo (L.) Pink center, white zone and ribs, border deep green, conspicuously spotted all over with very

deep reddish markings, surface very wavy.

Lord Derby (Bause) Vivid deep rose ground-color, conspicuous green ribs and veins.

Clio (Bl.) Deep green, with many large transparent pink spots and numerous scarlet freckles.

Jacob Weiss (L. v. H.) Center and ribs vivid orange scarlet, light green zone and dark green border, spotted crimson and deep rosy red.

Racine (Bl.) (Pronounce Rasang.) Heart-shaped leaves, ground color rosy-red, mottled with pink and green.

Max Kolb (Bl.) Dark green ground color, light green center, blotched deep red. A favorite in most collections.

Hildegard Nehrling (N.) and *George Huster* will be described under "Caladiums of American Origin."

Coacoochee (Mead.), *Fascination* (Jaenicke.), *Snow Storm* (Jaenicke.), *Torchlight* (Jaenicke.), *Truce* (Jaenicke.), are also American and will be so described.

Lady Dorrington (Bl.) Will be described under "Recent European Productions."

Cardinale (Bl.) A red variety which will be described later.

B. S. Williams (Bl.) This variety will be described under red caladiums.

Castelnau (L.) Will be mentioned under the Amazonicum section.

Mrs. Oliver Ames (?) Will be taken up in another section.

The following varieties are not in the collection at the Missouri Botanical Garden, but they can be recommended as having exceptional merit:

Alexander III. (Bl.) Immense shield-

like leaf, very brilliant glowing red, netted deep bronze, edge bronze green.

Alfred Mame (Bl.) One of the richest of all caladiums. Center a deep satiny crimson, very glossy, which color pervades into the golden bronzy green border, spotted rosy red.

Anna de Condeixa (Bl.) Large finely shaped leaf, center purplish-rose zone a mixture of dark green, yellowish green and white, green border.

Ceres (Bl.) Center salmon colored, rosy ribs, green border.

Eucharis (Bl.) Center beautiful transparent rosy red, narrow green border. Magnificent.

Gaston Chandon (Bl.) Creamy white. *James H. Laing* (Bl.) Very large leaves. Ground color metallic deep-green, suffused entirely with coppery red, a little white and moss green, ribs pink.

L'Autonne (Bl.) Beautiful satiny white leaf with large transparent light-blue spots.

Mme. Groult (Bl.) Ground color rosy red, deep red ribs and veins, dark green border, dotted everywhere with white. A very complicated color and difficult to describe.

Mme. Imbert Koechlin (Bl.) Large creamy-white leaves spotted with crimson.

Mad. Jules Picot (Bl.) Deep pink, green ribs and veins, very effective.

Mme. Marjolin Scheffer (Bl.) Immense leaves, snowy white when fully developed with vivid scarlet ribs, border deep green, leaf stems jet black.

Maxime Duval (Bl.) Large vivid red center with glossy violet or purple sheen, deep green border.



TRANSPARENT CALADIUMS.

*A. Nehrling's paper commenced in the issue of July 10, 1909, and was continued in the issues of July 31, October 9 and November 27, 1909, and January 8, 1910.



CALADIUMS IN LATH SHED IN FLORIDA.

Michel Buchner (Bl.) Entirely glossy deep golden red. A medium grower.

Vesta (Bl.) Center salmon red, greenish white ribs and veins, spotted white.

Adamastor (L.) One of the richest and most magnificent of all caladiums. Ground color a deep transparent glowing red, with violet and golden reflections, narrow green border.

C. E. Dahle (L.) Large and very beautiful leaves, center white suffused with pink, this color encroaching into the pea green border, a few large rosy violet spots. Very distinct.

Hortulania (L.) A wonderfully beautiful variety. Ground color a deep rich transparent rose, deeper red ribs, the entire leaf delicately veined white. One of Mr. Lietze's triumphs. Unfortunately weak in growth.

Imperatriz Thereza (L.) One of the most distinct and showy of all caladiums. Ground area pure transparent white suffused with pink, ribs and veins deep blackish-green.

Itacoatiara (L.) Ground-color a fine lilac veined green, ribs blackish-brown, border green. Very distinct.

Itaqui (L.) Blackish red ribs bordered white, interspaces and border green with many pink spots. Leaf stalks jet black.

Itauna (L.) Creamy yellow, with many large deep red spots.

J. Dehmloew (L.) Deep red center, with broad yellowish white border. Beautiful.

Rio Claro (L.) Beautiful transparent rosy red center, carmine ribs, green border—the latter densely covered with white pearl-like spots. Very popular.

Rio de Janeiro (L.) This has been pronounced by specialists as the most exquisite and gorgeous variety ever raised. Its dazzling and varied coloration baffles description. Ground color a deep transparent rose with deep red ribs and veins; everywhere along green border rose-colored white-edged spots. Many leaves are entirely deep rose, others are mottled green and deep rose. Indescribably grand in masses.

Fascination (Jaenicke.) Center very beautiful rose, suffused with pink and white often also with salmon orange—pea-green zone, dark green border, ribs light red. Strong in growth and very distinct and effective; new color.

Ivory (Jaenicke.) The most beautiful white caladium yet introduced. Pure ivory white, of medium but bushy growth, leaf stalks green.

Shellpink (Jaenicke.) Ground color milk white, center a fine shell pink. New color.

Snow Storm (Jaenicke.) Deep glossy green, with pure white ribs and veins, sometimes entire leaf as if covered with snowflakes. Strong in growth.

Torchlight (Jaenicke.) Of medium growth, with glowing red center and narrow deep green border. Very brilliant.

Truce (Jaenicke.) Beautiful glossy white with mother-of-pearl reflections. One of the finest of all caladiums.

P. W. Reasoner (N.) Gigantic leaves and vigorous in growth. Green, center light green, many pure white spots, short midrib.

CHAMPAIGN, ILL.—Thos. Franks and Son are building a large addition to their greenhouse on South Goodwin avenue.

Twenty Years Ago.

FEBRUARY, 1890.

Henry Vilmorin, of the well-known French seed house, was decorated as an officer of the Legion of Honor and celebrated the event by a banquet to 410 of the firm's employees.

Dr. Parry, the well-known botanist of Davenport, Ia., died February 19 at the age of 66 years. He was an intimate friend of Asa Gray.

Mme. Hoste was a favorite rose in the New York market. Growers for other eastern markets said it was their most profitable rose.

Gesneraceous plants, such as gloxinias, gesneras, achimenes and tydeas were much more popular than now.

The late Edgar Sanders was delving into the past and writing about it very interestingly in THE FLORIST.

John McGowan was working up stock of his new carnation, Lizzie McGowan.

The Florists' Exchange, of Baltimore, Md., was incorporated February 1.

DELAWARE, ILL.—N. O. Caswell had the decorations at the Henderson-Hess wedding in Hopedale recently.

NEWELL, W. VA.—The annual business meeting of the stockholders of the Lake Newell Floral Co. will not be held until the return of Geo. W. Clarke from his extended business trip west. Mr. Clarke is one of the main stockholders in the company. He will probably return to this city the latter part of the month or early in March. In the meantime the old officers of the company have charge of the business.

Cornell Horticulturists.

In connection with the institute held at the State College of Agriculture, Ithaca, N. Y., an interesting exhibition was made. A good display of cut flowers, especially in carnations, was staged. Among the prominent commercial growers represented were the following: W. J. Palmer & Son, Buffalo, with a large group of standard varieties. The big vase of Afterglow in this lot was especially fine. The Cottage Gardens, Queens, N. Y., were represented by good vases of Alma Ward and Mrs. C. W. Ward, and several vases of the older kinds. Baur & Smith, Indianapolis, Ind., had Rose Pink May and Pocahontas in good shape. The Chicago Carnation Co., Joliet, Ill., sent fine examples of Conquest and Mary Tolman. Wodenethe, the new white, from F. E. Witney, Fishkill, proved very fine and attracted much attention from the growers who were present. W. W. Coles, of Kokomo, Ind., showed an attractive bunch of Mrs. W. W. Coles. The Lam-born Floral Co., Alliance, O., sent a vase of its White Lawson sport, and the Dorners had a very nice display of Scarlet Glow, Hoosier Lad, Winona and Pink Delight. Among the miscellaneous displays were a choice lot of lily of the valley from A. N. Pierson, Cromwell, Conn., a generous lot of double violets from the Rhinebeck Violet Growers Association, and a varied assortment of odds and ends by Siebrecht & Son. A very instructive display of about 18 varieties of forced sweet peas was shown by the college greenhouses. This exhibition was a new departure in the institute work and added much to the pleasure and instruction of the visitors. Prof. Judson, of the horticultural department, had the matter in charge and considering the short notice to the growers made the affair a success.

The recent horticultural meeting at the college called out a strong attendance of practical growers and nurserymen. The programme as arranged by Prof. Craig was full of good things and there was something doing every minute. The large room in which the meetings were held was filled to its utmost capacity and standing room only was a frequent condition. Among the essayists on the list were F. R. Pierson, president of the Society of American Florists; Prof. John Craig, Prof. H. H. Whetzel, C. R. Crosby, G. W. Herriek, C. S. Wilson, Prof. John F. Cowell, H. W. Riley, Samuel Frazier, W. W. Ware, H. B. Fullerton, T. Greiner, C. C. Vincent, C. E. Hunn, E. W. Catchpole and W. L. McKay.

On Thursday the Cornell Horticultural Union held a session occupying the entire afternoon, with a programme consisting of short talks by practical growers and professional men, under the direction of President Catchpole. Demonstrations of sprays and spraying machinery were of daily occurrence. Papers on "Top Working," "Lime Sulphur Preparations," "Tests," "Diseases of Fruit Trees," "Orchard Fruits," "Control of Fruit Diseases" and "Injurious Insects" were of especial interest to nurserymen. On Thursday evening came the first annual banquet of the Horticultural Union, which proved an immense success and a most enjoyable affair. Lime and sulphur

solutions were not used as a spray at this gathering. A very creditable exhibit of fruit to illustrate the storing and packing of apples and pears was arranged by E. W. Catchpole.

J. F. C.

The Cut Flower Industry.

A paper read by C. L. Washburn, Chicago, at the annual meeting of the Illinois State Florists' Association at Champaign-Urbana, February 15-16.

The cut flower industry of the state of Illinois has made a most remarkable progress in recent years. To fully obtain an idea of this industry we must look back some 18-20 years and compare the business then with the present time. The business then was not considered of any importance by the other commercial lines of trade, but of late years it has been recognized as one of the standard industries of the state. The quality of flowers 20 years ago would not compare with the quality handled at the present time. The stems of the best grade of roses then were only 12-15 inches long and American Beauty had stems only 30-36 inches long. Carnations were about the size of a quarter dollar, but as the demand kept calling for a better grade of flowers, the growers kept improving the quality of their product. Prices also averaged better as the quality improved. Flower buyers all through the country began to see that the better quality of flowers lasted longer as well as looked better and they preferred paying a fair price for good flowers to buying the smaller stock at lower figures. These facts compelled the growers to raise improved varieties of plants and also use better facilities and better houses in which to grow their stock.

EVOLUTION OF THE INDUSTRY.

The evolution in the cut flower industry is one continual effort towards better flowers and better methods of growing and shipping the stock. This is a peculiar feature of our line of trade for, in the competitive strife of business, we are continually on the lookout for new ideas, new varieties of plants, new methods of construction and everything else pertaining to our business which can in any way improve our output. The experiment station here at this college should prove of immense value to the florist trade, of this stature, as a large number of the new things can be tested before being offered to the trade. In fact, it would be a good idea if the trade would insist on a trial test of some of these new things before being offered for sale and a certificate from this station showing the results that were obtained from such a trial would be of immense value towards determining the quality of the goods offered for sale.

HOUSES FOR CUT FLOWER GROWING.

The growing end of the cut flower business has to keep up-to-date in everything regarding new varieties of plants, better methods of ventilation and the most improved fertilizers, fumigating compounds, etc. The houses themselves must also be kept up-to-date. The question of what is the best greenhouse is a hard one. It is generally acknowledged that a separate house is considered best for American Beauty and other roses, while for carnations and other plants

a number of connected houses seem to do as well as separate houses, while they cost less money to build and operate. A separate house should be at least 26 or 28 feet wide, if not wider, and seven to eight feet to the gutters. This will give a large body of air and a more even temperature. Such a house, if built of all iron construction, would cost complete, including its share of the heating and other apparatus, about 50 cents per square foot of glass, while a wooden house costs from 25 to 35 cents per square foot. The cost of running a greenhouse depends largely on the quantity of glass handled, but for the average place the fuel cost can be estimated at three to four cents and the labor at eight to ten cents per square foot of glass. The supplies and repairs cannot be very well estimated, as they depend on the quality of the house, etc.

CHANCE FOR BEGINNERS.

In the cut flower industry there is a continual struggle for improvement at all times and I do not know of any industry in which a man stands a better show for success if starting in new. One must, of course, have experience in the growing of the stock, but there is as good if not a better chance for individual effort in our line of trade than in any other. There never can be any monopoly or trust that would control the output or sale of the flowers for that output is raised in a thousand different places. Every man stands on an equal footing as far as the market demand is concerned, for there is no combination to help or restrain trade to any firm or set of firms. The selling of the greenhouse products, whether cut flowers or plants, is just as important a branch of the business as the growing end. No matter how good the stock is or how carefully the greenhouses have been run, all would be wasted if the product is not well sold.

SELLING METHODS.

There are two methods of selling: In one the growers sell their own stock, having their own grades and methods of sorting and of course know just when the stock was cut. A grower who sells his own stock usually caters to some special class of buyers, as the shipping trade for instance. This trade requires flowers cut tight in the bud and careful sorting and packing in order to ship to arrive in good condition. Flowers can be shipped a distance requiring them to lay packed in the boxes 48 to 60 hours. These very long distance shipments demand the utmost care, especially as to the weather conditions. During warm and wet weather it is very hard to have carnations arrive in good condition when shipped a long distance. Roses will ship in better shape during such weather. The grower who sells his own stock should take pride in having an even run of flowers in each grade. The other method of selling consists in shipping flowers to a commission firm to be sold for the account of the shipper. There are a number of such firms in the larger cities that make this selling on commission a specialty. Their charge for such work is 15 per cent of the gross sales. It is worth this amount to handle the stock right. The expenses of selling are almost this



MEMBERS OF THE ILLINOIS STATE FLORISTS' ASSOCIATION AT CHAMPAIGN, FEBRUARY 15, 1910.

amount with the larger commercial growers.

THE TRADE IN ILLINOIS.

The cut flower trade is very favorably located as far as Illinois is concerned. Our shipping facilities are unsurpassed. We supply flowers to an immense territory, going east as far as Buffalo, Pittsburg and Washington, south to the Gulf of Mexico, west to Colorado, Montana and the Dakotas and north as far as Winnipeg. This immense scope of country drains to Illinois a continual flow of money from our sales. The cut flower industry is not a jobbing trade where the most of the money received for the goods goes off to another state in payment for them, but is what might be called a manufacturing enterprise. The grower takes a piece of ground and covers it with glass. He is what might be called an intensified farmer as, from the space under his glass, he irrigates his plants, he ventilates them, he controls the temperature in cold weather by artificial heat and sometimes raises two or three crops a year from the same bench space. This product is the result of steady labor for 365 days in the year. There is no let up, but one thing crowds onto another, so that there is always something to be done.

A greenhouse is a very beneficial industry to any town. The outlay for labor and supplies is just so much cash that is brought right there to be spent and when the total amount of glass is considered in the state of Illinois, estimated at a value of about \$18,000,000, the magnitude of the trade can be appreciated. There is a total business in cut flowers and plants grown in this state of at least \$5,000,000 per year. A good share of this immense sum is drawn here from other states and all of this sum is expended right here. It will thus be seen that the cut flower industry is one of the most solid foundation stones on which the prosperity of the state of Illinois is built.

YONKERS, N. Y.—F. Knapper was injured recently by jumping off a street car which left the rails at the center of Park and Ashburton avenues. He sustained a shock and a bruised nose.

ILLINOIS STATE FLORISTS.

Fourth Annual Convention.

The fourth annual convention and exhibition of the Illinois State Florists' Association held in the buildings of the University of Illinois at Champaign, February 15 and 16, must be recorded as the most successful in the history of the organization. The exhibits were of high quality and fairly representative of the various producing centers of the state. The trade visitors numbered about 100, and the meetings were well attended and full of enthusiasm. Special interest, of course, centered in the fine new greenhouse plant of the experiment station and the work going on therein. This is a thoroughly up-to-date range, specially designed for experiment work in the growing of vegetables and in floriculture along strictly commercial lines. The use of artificial fertilizers on carnations is the principal work now in hand, this being in its second year. It is expected that some preliminary account of the experiments will be issued during the present year. The entire proceedings of the convention were of such an eminently practical character as to impress everyone taking part in them with the great practical value of the work now going forward under the auspices of this association.

The opening session of the convention was promptly called to order Tuesday afternoon by President Gullett, who introduced President James of the university for the address of welcome, which dealt mainly with the place of his institution in educational matters, P. J. Foley responding. The reports of the secretary, treasurer and advisory committee were then presented. The session closed with an address by Professor J. C. Blair on "The Value of the Experiment Station to the Florists, and the Duty of the Florists to the Station."

On reassembling at 9 o'clock Wednesday morning, Prof. J. W. Garner

gave an address on "Outdoor Art," C. L. Washburn followed with an address on "The Cut Flower Industry of Illinois." Prof. H. B. Dorner then gave an interesting address covering the work and progress at the Experiment Station greenhouses, which was followed by a lively discussion on the subject. C. L. Washburn and I. L. Pillsbury suggested the appointment of a committee to consider the matter of uniformity in the grade of cut flowers offered by growers and dealers, and President Gullett appointed C. L. Washburn, Chicago, Frank B. Smith, Danville, and C. M. Dickinson, Chicago. Resolutions by W. N. Rudd were adopted, one embodying the recommendation that O. C. Simon, the well-known Chicago landscape architect, be added to the University commission on campus and grounds and the other covering a new appropriation for the experiment station. Another resolution, by J. C. Vaughan, advocated the conservation of public grounds and waterways. The constitution was amended to permit the executive officers to arrange the date and place of the annual meetings and exhibitions. The election of officers resulted as follows:

C. L. Washburn, Chicago, president.
Chas. Loveridge, Peoria, first vice-president.

J. F. Ammann, Edwardsville, Sec'y.
F. L. Washburn, Bloomington, treasurer.

Members and friends to the number of about 100 participated in a banquet at Beardsley hotel, Tuesday evening, P. J. Foley officiated as toastmaster in his usual happy style, Dean Davenport made the principal address of the evening, touching the place of Illinois in agriculture and allied industries. The other speakers included Mr. Harris, representing the Chamber of Commerce, Prof. Blair, Messrs. Vaughan, Loveridge, Gullett, Balsley and Mrs. Blair.

Judges' Report.**CARNATIONS SCORED.**

R. Witterstaetter, Cincinnati, O.—Pres. Valentine, 85 points.
Chicago Carnation Co., Joliet.—Mary Tolman, 85 points.
W. W. Coles, Kokomo, Ind.—Mrs. W. Coles, 85 points.
F. Dorner & Sons Co., Lafayette, Ind.—No. 4206, 85 points.
R. Witterstaetter, Cincinnati, O.—No. 1407 O, 80 points.
A. C. Brown, Springfield.—Superba, 80 points.
Chicago Carnation Co., Joliet.—Conquest, 85 points.
A. C. Brown, Springfield.—Optimo, 75 points.
A. C. Brown, Springfield.—Clara Mae, 65 points.
W. N. Rudd, Morgan Park.—Greenwood, 86 points.
E. G. Hill Co., Richmond, Ind.—Annie May, 86 points.
Chicago Carnation Co., Joliet, and A. C. Brown, Springfield.—Sangamo, 85 points.
E. G. Hill Co., Richmond, Ind.—Mrs. Beckwith, 81 points.
E. G. Hill Co., Richmond, Ind.—J. W. Riley, 81 points.
A. C. Canfield, Springfield.—Red Nelson Fisher, 80 points.
Anton Then, Chicago.—No. 291, 74 points.
Baur & Smith, Indianapolis, Ind.—Shasta, 85 points.
F. Dorner & Sons Co., Lafayette, Ind.—White Wonder, 87 points.
Anton Then, Chicago.—No. 41, 83 points.
F. Dorner & Sons Co., Lafayette, Ind.—Hoosier Lad, 88 points.
F. Dorner & Sons Co., Lafayette, Ind.—Scarlet Glow, 85 points.

HONORABLE MENTION.

Chas. Loveridge, Peoria.—Fine display of carnation in standard varieties.
Bassett & Washburn, Chicago.—Carnation O. P. Bassett.
A. C. Canfield, Springfield.—Display of carnations in standard varieties.
Joseph Heinl & Sons, Jacksonville.—Vase of carnation White Enchantress.
Wirth & Gaupp, Springfield.—Display of standard varieties of carnations.
A. Washburn & Sons, Bloomington.—Display of standard varieties of carnations, sweet peas and violets.
Henry Baer, Peoria.—Display of standard varieties of carnations.
Chas. Knopf Floral Co., Richmond, Ind.—Carnation Mrs. Chas. Knopf.
Chicago Carnation Co., Joliet.—Extensive display of carnations including, Pink Delight, May Day, Beacon, Afterglow and Alvina.
Henry Eichholz, Waynesboro, Pa.—Carnation Washington, considering it an improvement over Rose Pink Enchantress, also carnation Alvina.
Henry Johann & Son, Collinsville.—Vase of assorted varieties.
W. C. Hill Floral Co., Streator.—Display of seedling and standard varieties of carnations.
J. F. Ammann, Edwardsville.—Vase of assorted varieties of carnations.
W. N. Rudd, Morgan Park.—Vase of assorted carnation seedlings.

SPECIAL MENTION.

The judges considered the exhibit of roses, taken collectively, of great merit and considered the following to be worthy of special mention: :
Wendland & Keimel, Elmhurst.—Killarney and White Killarney.
Bassett & Washburn, Chicago.—Bridesmaid.
W. H. Gullett & Sons, Lincoln.—White Killarney.
J. F. Ammann, Edwardsville.—Killarney, Mme. Chateau and Ivory.

Poehlmann Bros. Co., Chicago.—My Maryland and Killarney.

CERTIFICATE OF MERIT.

J. A. Peterson, Cincinnati, O.—Begonia, Glory of Cincinnati.
Frank B. Smith's Sons, Danville.—Display of flowering plants, including cinerarias, Primula obconica, cyclamens, violets, panises, tulips, etc.

HONORABLE MENTION.

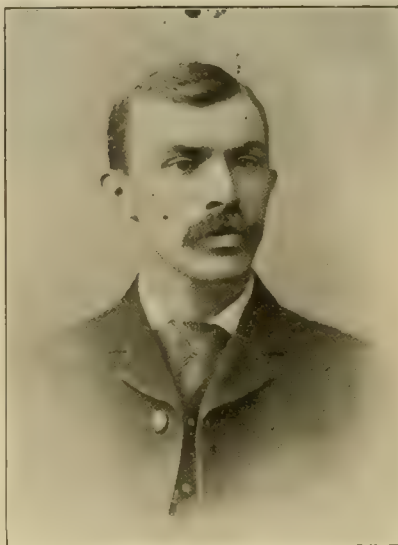
Aug. Jurgens, Chicago.—Display of single and double daffodils.

EMIL BUETTNER,

NIC ZWEIFEL,

C. W. JOHNSON,

Judges.



C. L. Washburn.

President-Elect-Illinois State Florists' Association

Photo of 1897. He's Older Now.

Secretary Ammann's Report.

Your secretary begs to report a total membership of 175, divided as follows: Life members, 18; annual members, 153; honorary members, 4. There has been one death in our ranks during the past year namely J. B. O'Neil, of Chicago, whose early demise we all deplore. We have increased our life membership by seven. The number of annual members taking out life membership, having been greater than the new annual members received, has decreased our annual membership by two.

The trade papers have, as usual, given us good assistance in our work, and we all feel much indebted to them for it. Much progress has been made in our experimental work, which will be reported to you more fully later by Secretary Rudd of the advisory board.

In the matter of data I am sorry to report very slow progress. It seems there are still a great many florists throughout the state in a dormant condition who need forcing. For instance: Out of 400 return postals mailed, I received 125 answers, so you see the percentage of dormant stock is large. I believe, however, I have sufficient data to make a fairly accurate estimate on glass throughout the state as soon as same can be computed, which I regret to say I have so far not found time to do.

The membership of this society should be larger. I regret to say the officers (especially vice-president) do not give this important part of our work the attention it should have. Some means should be devised by which our membership would be materially increased. Present members who are in arrears for dues should be

urged to pay up and take more interest. The secretary has tried various means through correspondence to accomplish results on these lines, but so far has received little encouragement for his work.

Report of the Advisory Board.

Your board begs to report that since the last annual meeting of the association three meetings of the board have been held, two at Urbana on July 12 and December 27, respectively, and one at Chicago on February 4. The board would state that the work entrusted to it has not suffered by reason of the small number of meetings, but, on the contrary, the business has been thoroughly attended to, while as each meeting causes an expense which must come out of our fund, money has thereby been saved and added to the amount available for the practical work.

At the meeting of July 12 the full board was present, as well as Messrs. Blair, Dorner and Nehrling of the station staff. Financial statements showed something over \$200 of the appropriation unexpended on July 1. The report showed roughly that about one-half of the appropriation, namely \$7,500 or a little more, had been expended for buildings and equipment, and also that nearly an equal amount had been contributed from the general station fund toward the building of the new greenhouses which had cost about \$14,000. In this connection it is proper to make known to you the grand support which has been given us by Dean Davenport and Professor Blair. They have shown the greatest interest and enthusiasm in our work, and, although it is a well-known fact that their general funds are scanty, placed at our disposal nearly \$7,000, which enabled us to complete the greenhouse plant and get to work in a thorough and systematic manner.

Mr. Dorner read a general report of his work for the past year, that is, the year 1908-09, with suggestions for the work to be taken up during the coming year. This report was carefully considered, the matter viewed from all points, and it was decided to continue the fertilizing experiments on carnations, and also, on the completion of the new houses provided for below, to take up a similar line of work with roses, together with some work on cucumbers. It appearing that by economy the amount could be spared, the sum of \$4,500 was appropriated to complete one new double greenhouse similar to the one previously built with an additional boiler, if possible.

At the meeting at Urbana, December 27, a financial report was presented showing that the amount expended, together with the amount still unpaid on the new houses, was about \$4,651, making the total cost of the plant as you see it today about \$18,650. It was stated that this would leave a deficiency of about \$1,140 to carry forward the work to the end of the fiscal year, when the second half of the appropriation would be available, but that this deficiency would be taken care of for us from other funds until our own money was available. The balance of the meeting time was taken up, as usual, by a careful inspection of the houses and the work being done and an extended discussion of the same.

The meeting of February 4 was held at Chicago, Messrs. Davenport, Blair and Dorner from the university and the full board being present, as well as many local florists who had been invited to attend the meeting, so that explanations of the work being done could be made, and as much interest as possible aroused. A general discussion ensued, and it was the sense of the meeting that the results of the

work to date were satisfying and encouraging, and that the work should be pushed vigorously, not only along the lines heretofore taken up, but it should be expanded in every possible direction in so far as the funds available would make it possible.

In closing this report some explanation would seem to be needed. The reason for taking up the study of fertilizers was that it seemed to be the one subject of greatest interest to the florists of the state at large at the present time. The reason for selecting the carnation for the beginning of the experiments was that in certain ways

No resolution was offered endorsing the corporation tax or Forester Pinchot's removal.

J. A. Peterson's Begonia Glory of Cincinnati was still holding its big heads of bloom.

Of course it was only natural and proper to suggest improvements in "our" campus.

The Elmhurst Killarney roses is a very superior brand of those popular varieties.

Rudd plied his hammer on the lack of landscape art on the college campus.

W. N. Rudd's vase of seedlings was noteworthy.

Visitors.

Frank Aitken, Decatur.
J. F. Ammann, Edwardsville.
Geo. Asmus, Chicago.
E. Atkinson.
C. M. Augustin.
Henry Baer, Peoria.
Harry Balsley, Detroit.
M. Barker, Chicago.
R. Birmnam.
Henry Blixen, Edwardsville.
J. N. Bommersbach, Decatur.
Mrs. N. Bommersbach, Decatur.
Theo. Brash.
A. C. Brown, Springfield.
F. W. Brunning.
Emil Buettner, Park Ridge.
Geo. Callahan, Bloomington.
Mrs. A. C. Canfield, Springfield.
B. Catzwinkel.
Robert Dale.
C. M. Dickinson, Chicago.
E. S. Dodson.
J. W. Doyd.
Mrs. D. W. Dresser, Springfield.
H. F. Drury and wife, Galesburg.
Edgar Easterday, Nokomis.
John A. Evans, Richmond, Ind.
A. G. Fehr, Belleville.
Mrs. M. Flint, Chicago.
P. J. Foley, Chicago.
G. W. French, Morton Grove.
H. G. Gerhardt, Wilmette.
C. E. Gullett, Lincoln.
E. W. Guy, Belleville.
O. B. Heini, Jacksonville.
Albert T. Hey, Maywood.
H. B. Howard, Chicago.
Henry Johann, Collinsville.
C. W. Johnson, Morgan Park.
G. Johnston.
H. Johnston.
B. Jurgens, Peoria.
W. J. Keimel, Elmhurst.
F. N. Kidwell, Chicago.
C. Loveridge, Peoria.
E. H. Michel, St. Louis, Mo.
N. P. Miller, Chicago.
D. G. Millspaugh, Detroit, Mich.
H. M. Morris.
J. Muller, of J. Roehrs Co., Rutherford, N. J.
David Nolan, Springfield.
P. Olsen, Joliet.
W. L. Palinsky, Chicago.
Andrew Peterson, Hoopeston.
J. A. Peterson and wife, Cincinnati, O.
I. L. Pillsburg, Galesburg.
Adolph Poehlimann, Chicago.
Aug. Poehlimann, Chicago.
Theo. Prodie.
A. T. Pyfer, Joliet.
W. W. Rike, LeRoy.
W. N. Rudd, Morgan Park.
Arna Smith.
J. S. Salmons, Peoria.
H. E. Smith.
Anthon Then, Chicago.



THE AGRICULTURAL BUILDING AT URBANA, ILL.

it was the most available and desirable plant to begin with, and that a good share of the results would be almost equally applicable to other florists' flowers and, with the space available, only one variety could be handled in the complete and comprehensive way desired. The reason that no results have been published is that while much of interest has been learned, everything must be verified by repeated experiments, as conditions affecting any one series of tests might interfere with the accuracy of the conclusions drawn, and it was strongly put before the board and concurred in unanimously by it, that it was much better to let the florists wait for their information than to take any possible chance of giving them information which might, by subsequent test, be found wrong. In conclusion the board wishes to extend its thanks to Dean Davenport and Professor Blair for the many courtesies shown, to express its confidence in Mr. Dornier, and its great satisfaction with the able way in which he has handled our work, of which he had been directly in charge.

Respectfully submitted,
W. N. RUDD, Sec'y.

Convention Notes.

Mrs. Blair has all the talent of speech that comes of brevity, and Toastmaster Foley forgot all his native gallantry in placing that estimable lady so far down the programme.

Toastmaster Foley did not fail of his duty in encouraging bachelors President Gullet and Secretary Dornier to join the married ranks.

Champaign is all right, but what is the matter with Rockford, Rock Island, Danville and other places as convention cities.

Messrs. Dornier, Nehrling and Franks handled a lot of exhibition material with much dispatch and good taste.

Now encourage the ladies to aid the cause with an auxiliary which shall bring them with us.

Prof. Dornier distributed a timely sheet explaining the experimental work then in hand.

J. A. Evans was exploiting his new ventilator to be offered this season.

Nic. Zweifel's Bright Spot takes well with the carnation growers.

The Square Deal Club was still in session when the last train left.

Much wear and tear on the coal bins was the general report.

Ammann is the pattern of florist that is needed everywhere.

Anton Then remembers Logansport and Gilman only as life-saving stations.



THE AUDITORIUM, URBANA, ILL.

Where Exhibition of Illinois State Florists' Association Was Held This Week.

Phil Foley was showing his new wrought-iron gutters.

The experiment station greenhouses were in fine order.

Dean Davenport is genial, practical and convincing.

Champaign is dry in the stormiest weather.

John Then, Chicago.
J. C. Vaughan, Chicago.
A. E. Washburn, Bloomington.
C. L. Washburn, Chicago.
F. L. Washburn, Bloomington.
O. S. Watkins.
Geo. B. Windler, St. Louis, Mo.
R. S. Woodyard, Sharp Partridge & Co., Chicago.
J. E. Young.
Nic Zweifel, Milwaukee, Wis.

THE AMERICAN FLORIST

1885 TWENTY-FIFTH YEAR 1910

Subscription, United States and Mexico \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

Eastern Representatives:

A. F. FAULKNER, 1133 Broadway, New York.
KOB. KIFT, 1725 Chestnut St., Philadelphia, Pa.

THE AMERICAN FLORIST,
324 Dearborn St., CHICAGO.

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The toad beneath the harrow knows
Exactly where each tooth point goes;
The butterfly upon the road
Preaches contentment to that toad.
—Kipling.

Personal.

Mrs. Edwin Lonsdale's wide circle of friends will be pleased to learn that the climate of Lompoc, Calif., has been very beneficial to her impaired health.

H. E. Philpott and wife, of Winnipeg, Man., are in Vancouver.

ALL plant orders at retail must amount to \$1 or more, says the Storrs & Harrison Co., in its general spring catalogue.

GLADIOLUS LEMOINEI PINK BEAUTY, an early deep pink variety of European origin, will be offered by Holland growers this season.

WHEN friends of the fruits, flower and field, gather and consult in harmony as at Champaign, Ill., this week, much may come out of it for the good of all.

YOUR name is rightly booked in our Trade Directory—at least we suppose it is if you do not advise us. If you make any changes this season, please drop us a postal.

A RECENT treasury decision defines wreaths, in part of metal, as "articles in part of metal" under paragraph 193 as claimed by the importers, Spingarn Bros., New York.

Too much dormant stock among the thousand florists in Illinois, says Secretary Ammann; if we could force a few score more into growth, the association would blossom.

TEACHING children the wonders of exotic plants is part of the curriculum of the New York educational system. The Botanical Gardens at Bronx park are the classrooms.

FLORISTS of Washington have filed a protest with the house committee against Senator Johnson's (of Alabama) amendment of the bill for the "proper observance of Sunday as a day of rest in the District of Columbia."

THE poisonous nature of the oleander should not be overlooked. The Department of Agriculture reports cases of cattle poisoning from the south where this is used as a hedge plant. It should be watched in the greenhouse and especially in the home where children are apt to chew leaves of any plants they have access to.

American Rose Society Exhibition.

The Horticultural Society of New York, under whose auspices the American Rose Society exhibits in the city of New York, has taken up on its part the duty of enlisting the interest of as many members of that society as possible to develop the best attendance and support for the occasion. The New York Florists' Club has appointed a special committee to extend courtesies to all members of the Rose Society. The intent is to show off in the great hall of the American Museum on Seventy-seventh street, for popular exhibition without cost to the public, a show of the first magnitude. The hall is at present being re-painted and decorated. The measurement is 75x150 feet. The effort is to obtain, among other things, a fine exhibit of pot plants. Many a dweller in the metropolis can grow a plant in a pot and would enjoy doing so, and exhibits of that kind are likely to foster a demand for that class of roses. The full list is being revised by the chairman of the schedule committee, ex-President Robt. Simpson, and as soon as completed will be put in permanent form in conjunction with the premium list and schedule of the New York Horticultural Society. Since our last report

the following special prizes have been offered:

| | |
|------------------------------------|--------------|
| John I. Raynor, New York |\$25 |
| Henshaw & Fenrich, New York | 25 |
| Henry Froment, New York | 25 |
| William S. Allen, New York | 25 |
| Traendly & Schenck, New York | ... 25 |
| Alex J. Guttman, New York | 25 |
| King Construction Co. | 25 |
| J. A. Budlong Son & Co. | 25 |
| John N. May, Summit, N. J. | 25 |
| Frank R. Pierson, Tarrytown, N. Y. | 25 |
| Wm. Badgley, Chatham, N. J. | 15 |
| Walter F. Sheridan, New York | 15 |
| A. H. Langjahr, New York | 10 |
| L. B. Coddington, Murray Hill | 10 |
| Robert Simpson, Clifton, N. J. | 30 |
| Society of American Florists | Medals |

James Wood, president of the Horticultural Society of New York, will deliver an address upon "Ideals of Horticulture"; Geo. V. Nash will speak on "The Rose and Its History," and illustrate his lecture with colored lantern slides. Adolph Farenwald, of Roslyn, Pa., will speak on "Roses, the Brightest of Flowers." A valuable paper is being prepared by W. S. Sibson upon "The Northern Pacific Coast Roses." The Horticultural Society of New York will issue, jointly with the American Rose Society, the full prize list and rules within a few days. Joseph A. Manda has been appointed superintendent of exhibits.

BENJAMIN HAMMOND, Sec'y.

Early Forcing Tulips.

ED. AMERICAN FLORIST:—

How early can I force tulip bulbs? The kinds I want to have are La Reine and Yellow Prince. I took some boxes in from outdoors at Christmas and they were well rooted. I placed the same in a shed for about a week and then moved them into a house at about 50°, under a bench. I have given them a good watering and have shaded with paper. The results, so far, have not been very good, as they already show the flowers in the cool house, and on very short stems. I took some boxes in the forcing house, at about 65° to 70°, to get them longer, but without any improvement. I keep them always dark and I think in the right moisture. Will you kindly tell me the reason why my bulbs are not doing well?

F. A. B.

Experienced growers force tulips in time for Christmas by planting the best quality bulbs immediately they are received, and allowing them a few weeks in a cool place to root. They are then brought into heat and kept quite dark much as lily of the valley is forced. The stems are usually short at the holiday, even with this care, when forced so early, but as the season advances they get longer. The treatment described by "F. A. B." appears to be right, except that we would not advise placing the bulbs in the shed where the atmosphere is possibly very dry, as this may have the effect of checking the growth, and therefore causing the stems to be short. This very early forcing is unnatural anyway and it is best to keep them going right from the start. But bulbs taken inside at Christmas should be satisfactory, as this is not particularly early. We think, under the circumstances, that the bulbs could not have been of first quality or they would have done better.

OBITUARY.

Edward O. Schwagerl.

Edward O. Schwagerl, Seattle, Wash., landscape architect, who planned Volunteer and Kinnear parks and Seattle's first boulevard system, died January 27 at the family home, 503 Twenty-second avenue south. He was 68 years old. Mr. Schwagerl was born at Wurtzberg, Bavaria, and was educated in Paris before coming to America. At Cleveland, where Mr. Schwagerl spent 15 years, he originated the park and boulevard system, planned and laid out Gordon, Wade, Payne and Eels parks. At St. Louis he planned and laid out the famous Lindell boulevard and Vandeventer place. He planned and laid out cemeteries at Cleveland, Canajoharie Falls, N. Y., Hannibal, Mo., and at Portland, Ore. Point Defiance park, and Wright park, Tacoma, were planned by Mr. Schwagerl. He was one of the art judges at the Alaska-Yukon-Pacific exposition. Mr. Schwagerl is survived by his wife. The remains were cremated.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—By an expert American Beauty and tea rose grower. Address Key 446, care American Florist.

Situation Wanted—By first-class florist capable of taking charge; experienced in all branches. Address Key 444, care American Florist.

Situation Wanted—By practical gardener and florist, life experience; middle aged; married; want a place where first-class stock is required. J. HODGE, 163 Foster St., Mansfield, O.

Situation Wanted—By a German florist, 26 years of age; 10 years' experience; grower of roses, carnations, 'mums, pot plants, etc.; give full particulars and what wages paid in first letter. Address Key 441, care American Florist.

Situation Wanted—As gardener, private or public, 28 years old, single, 12 years' experience in all branches in Europe and this country; ready for engagement by the 15th of March; best of references. Address Key 442, care American Florist.

Situation Wanted—To take charge of the growing of cut flowers, flowering and bedding plants, also palms, ferns, etc.; 26 years' experience in those lines of the trade; middle-aged, single man, sober and honest; expect fair wages and steady work. Address Key 447, care American Florist.

Help Wanted—Gardener, married man in private place near Chicago; permanent position. Address Key 439, care American Florist.

Help Wanted—Good stenographer and book-keeper familiar with nursery office work; good opportunity to learn landscape architecture. Address Box 97, Jersey City, N. J.

Help Wanted—Two young men experienced in packing and filling orders for nursery stock; give full particulars regarding experience, salary wanted, etc. Address VAUGHAN'S GREENHOUSES, Western Springs, Ill.

Help Wanted—Young man to take care of garden and stable; have two horses, two cows, chickens and two hogs; must be experienced truck farmer and stableman; wages \$25.00 per month and board. Address R. W. TENER, Sylvan Crest Monaca, Pa.

Salesman Wanted—On the Pacific coast to sell our well known line of ribbons and chiffons; we want a man who is known among the trade to sell our goods on commission. Address LION & COMPANY, 114 Spring St., New York.

Partner Wanted—A florist with small amount of capital desires a partner; a grower with 5000 feet of glass or more located in some thriving town where there is a future to open a retail store; 18 years' experience, good designer and salesman; references exchanged. Address Key 445, care American Florist.

For Sale—First class florist business in city of 30,000; reason for selling; other business. Key 999, care American Florist.

For Sale—Some 3-inch pipe guaranteed sound-7c per foot. Also several good small boilers cheap. W. H. SALTER, Rochester, N. Y.

For Sale—Dwelling, three well stocked greenhouses; good business in an Arkansas city; good reasons for selling; if you mean business address Key 443, care American Florist.

For Sale—A good florist retail business in growing city in western New York; 5,000 feet of modern built glass, with work room and living rooms attached; best place in town; a good trade. A good place for the right man. Reasons for selling, other business. Price and details on application. Address Key 429, care American Florist.

For Sale—Florist with a small ready capital can, on March 1, buy a first-class retail flower store in Chattanooga, Tenn., with well established trade. Present owners are engaging in similar business in another city, and inability to manage both places is only reason for selling. Only interested parties need answer this advertisement. Address A. BORG, care Atlant. Floral Co., Atlanta, Ga.

Wanted—Greenhouse, about 5000 ft. o glass, dwelling, one or more acres of land. Address Key 436, care American Florist.

Wanted to Rent—Greenhouse establishment; 15,000 to 20,000 feet; must be in good repair; good location and good rose soil required; shipping distance of Chicago preferred. Address Key 438, care American Florist.

Good Opening for Young Man

Advertiser wants a bright young man to call on the trade, one who can sell goods; give full particulars in first letter, including experience, age and wages. Man with practical knowledge of greenhouse work preferred. Address Key 988, care American Florist.

Ornamental Nurseryman Wanted

One familiar with varieties, propagation and growing of ornamental trees and decorative plants. Address THE SILVA-BERGTHOLDT CO.

Newcastle, California.

TO RENT.

A very rare opportunity of one of the most modern and up-to-date florist establishments of about 15,000 sq. ft. glass; hot water heat; Superior tubular boiler; entire place equipped with electric lights, cement walks and floors; work building 20x115 two stories 8-room modern flat; good established business; the conveniences and accommodations to all transportation, etc. are too numerous to mention; they cannot be excelled; if interested an investigation will convince.

RICHARD F. GLOEDE,
1405-1407 Central St., Evanston, Ill.

FOR RENT.

Greenhouse, 12,000 feet of glass; stocked with sweet peas, carnations, bedding plants; good house; 10 acres of land; near Chicago; \$50.00 per month.

Key 425, care American Florist.

Unexampled Chance

For a first-class grower with executive ability and capacity to take charge of 50,000 square feet of glass, most modern in construction and equipment, for growing cut flowers and plants, about to be erected in most progressive part of United States, where competition amounts to almost nothing. Can sell entire product now, and plant will have to be doubled in two or three years at most with right management. If you do not possess these requirements and have not got \$3,000 to \$5,000 to take stock in the \$50,000 corporation, do not reply. But if you have and can produce the goods, you will get the chance of your life by addressing

Key 440, care American Florist.

Retail Store Man.

The advertiser, located in the south, wants a good man to take charge of the retail cut flower department. He must be fully competent to turn out high class design work and decorations. One who has a general knowledge of the seed business would be preferred, as the cut flower department is carried on in connection with a general seed business. A good salary to the right man. Address Key 431, care American Florist.

FOR SALE.

About April 1st we begin tearing down a range of 85,000 feet of glass to make room for more modern houses.

We will have for sale ventilating machines (Hippard), ventilators, ready glazed sash bars in length 8 ft. to 14 ft., gutters and 4-in. cypress and cedar posts, glass in small sizes. Just the material for building small houses, lean-tos, partitions, etc. Will sell any part or all of it.

J. M. GASSER CO., Rocky River, Ohio

Greenhouse Construction

BY PROF. L. R. TAFT.

It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 210 pages and 118 illustrations. PRICE, \$1.50

Greenhouse Management

By the same author. Covers the subject completely. 382 pages. PRICE, \$1.50.


American Florist Co.,
324 Dearborn St., Chicago.

We are Strong on Roses and Carnations

NONE BETTER TO BE HAD.

Can furnish you with the following roses in quantities

Mrs Jardine, My Maryland, Killarney, Richmond, Bride, Bridesmaid, Perle, Kaiserin.

CARNATIONS All the Leading Quality Unexcelled.
Sorts 

Plenty of spring stock, Tulips,
Jonquills, Daffodils, Narcissus,
Sweet Peas, Freesias, Violets,
Valley and Greens of all kinds.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty.....

WHOLESALE
GROWER of

CUT FLOWERS

Chicago.

GOOD ST. VALENTINE'S DAY DEMAND.

St. Valentine's day and Lincoln's birthday both helped to turn a wheel at the end of last week. Wholesalers were extremely busy with out-of-town orders, red carnations, violets and red roses being most in demand. The stock of violets was equal to the call but red roses of good quality were extremely scarce and Richmond, Cardinal and Rhea Reid made good money. American Beauty is still scarce and difficult to obtain in the best grades but short stock has been plentiful and doubtless the supply of long stemmed ones will soon improve. The sudden return to arctic conditions at the end of the week caused roses to tighten up again and everything cleaned up closely in this way. While good carnations were not too plentiful there was a big surplus of poor, small flowers, splits and other truck that could not be moved except by the dump route and many a "load of hay" went this way. Bulbous stock has seldom sold better and large quantities have been handled. Paper White was cheaper at the end of the week, also mignonette, lily of the valley and other small stocks.

The early part of the week saw a greatly increased rose supply in all the popular varieties, but out-of-town orders cleaned up everything in this line daily. Local business was not particularly good, though a fair number of retailers were around, and St. Valentine's day helped move a lot of small flowers. Speaking of the violet situation to a wholesaler, who handles possibly more violets than any other firm in town, he said that he was quite disgusted with the reports received from growers. These said they would be short for St. Valentine's day, but when the day arrived shipped them in in immense quantities, so much so that it took a lot of hustling to move flowers that, two days before, retailers were anxious to place orders for. And his case was not peculiar either. Violets at the windup of the day's business were over plentiful and the policy of the growers, in endeavoring to foist the idea upon the trade that they would be scarce, in reality reacted upon themselves and caused a distinct loss of business. Bulbous stock and carnations continued to arrive in larger quantities than could be handled in some cases, but the shipping trade, which kept up well right through, was the salvation of the market.

NOTES.

The D. D. Johnson Co. has the permit tags for its Evergreen fertilizer to be sold in Indiana state and, speaking with D. D. Johnson, rather a singular point in connection with Indiana law cropped up. It seems that no change can be made in the formula which is printed on the tags, without changing also the title of the fertilizer. Though it may have its good points in other ways, this seems rather reactionary, for a firm could not improve its goods without at the same time changing the title which may have cost a great deal to bring to public notice.

Frank H. Henry, of Henry & Lee, New York, has been in the city this week, having just returned from an eight months' trip to China, Japan and the Philippines, where he has been looking over the situation at the sources of supply of lilies and other stock of interest to his firm and florists generally. He has much that is interesting to say and unique photographs to show. He left for a day's trip to Milwaukee on Tuesday. Mrs. Henry and their daughter accompanied him.

The display of St. Valentine's baskets at Fleischman's has been very effective, showing a great variety. A large consignment of "African" baskets arrived here during the present week. They are distinctly novel, in color a deep reddish brown and in almost every conceivable size and shape. The color should show off almost any kind of flowers to the best advantage.

Terence Rodgers, secretary of the Gardeners' and Florists' Union, writes: "Through the influence of the Chicago Federation of Labor the West Park gardeners have obtained an advance in wages and now receive \$75 per month. John Fitzpatrick had a most agreeable interview with Superintendent Mugler of the West Park board.

The Desplaines Floral Co. is cutting good stock in all lines. The houses that were rebuilt last season are turning out very satisfactory, being light and in every way suitable to the culture of high-grade stock. The rebuilding will probably be proceeded with this season and when completed this firm will have a fine up-to-date plant.

J. A. Budlong's stock is in excellent shape this week, large quantities of all the leading varieties of roses, carnations and other flowers arriving daily. St. Valentine's day orders were

Wietor Bros.,

Wholesale Growers of

..CUT FLOWERS..

51 Wabash Avenue,

CHICAGO.

Price List

| American Beauties, | Per doz |
|-------------------------------|----------------|
| Extra long | \$ 6 00 |
| 36-inch stems..... | 5 00 |
| 30-inch stems..... | 4 00 |
| 24-inch stems..... | 3 00 |
| 20-inch stems..... | 2 50 |
| 18-inch stems..... | 2 00 |
| 15-inch stems..... | 1 50 |
| Short | 1 00 |
| | Per 100 |
| Killarney, extra..... | \$12 00 |
| " fancy | 8 00 |
| " good..... | 5 00 to 6 00 |
| Richmond, extra | 10 00 |
| " fancy | 8 00 |
| " good | 5 00 to 6 00 |
| Mrs. Jardine, extra..... | 12 00 |
| " fancy | 8 00 to 10 00 |
| " good | 6 00 |
| White Killarney, fancy | 10 00 to 12 00 |
| Brides and Maids, fancy | 10 00 to 12 00 |
| " good..... | 6 00 to 8 00 |
| Uncle John, fancy | 8 00 to 10 00 |
| " good..... | 5 00 to 6 00 |
| Perle, fancy..... | 10 cents |

ROSES, our selection..... \$6 00

Carnations, extra fancy..... 2 00 to 3 00

Easter Lilies, short \$2 00 per doz.

Valley

Asparagus Plumosus,

extra quality, per bunch

Fancy Ferns, per 1000.....\$2 00

All other stock at lowest market rates.

Prices subject to change without notice.
No charge for packing.

heavy, but all classes of stock were equal to the demand, red roses coming nearest to being a short item.

Chas. Glaser, son of A. L. Glaser, Dubuque, Ia., is now with P. M. Brodbeck of Evanston, taking up rose culture. Chrysanthemums, carnations and other stocks are well grown in Dubuque but most of the roses are shipped in, hence Mr. Glaser's wish to get a line on their culture.

After the Pittsburg convention A. C. Brown of Springfield made a flying

:: Easter Lilies ::

We are cutting an average of one thousand lilies per day, very choice stock, long stems, large flowers and fine foliage. They are the best flowers in the market and are in great demand during this shortage of Beauties and Roses. We are selling them at \$12.00 per 100 or \$1.50 per dozen. Buy direct of the grower and get fresh stock. **American Beauties, Roses, 'Fancy Carnations, Tulips, Daffodils, Lily of the Valley, Easter Lilies and Greens.**

Write us for our weekly price list if you are not receiving it. We keep you posted on the flower market

Bassett & Washburn

Store and Office: 76 Wabash Ave.,

CHICAGO

Greenhouses: HINSDALE, ILL.

trip east to Baltimore, New York and several Long Island points. Judging by what he saw he considers that the rose scarcity was as bad or even worse than in the middle west.

Vaughan & Sperry continue to receive large quantities of medium and short Beauties. The long-stemmed are not quite so numerous, but what are coming in are of fine quality. Violets are a strong feature here, good stock arriving daily in large quantities.

Splendid stock of carnations has been arriving at Peter Reinberg's all week, an average of 4,000 to 5,000 per day being about the figures. American Beauty is coming in better crop right along and the quality of the other roses arriving is excellent.

Miss M. C. Gunterburg has been handling very large quantities of excellent violets at her stand on the Flower Growers' Market, cleaning up well daily. The demand was large for St. Valentine's day and prices held up fairly well.

Fourteen thousand carnations in one day is pretty good selling and this was the J. B. Deamud Co.'s total one day last week. Pussy willows are a good selling line here and the tulips handled cannot be beaten on this market.

H. C. Blewitt, Desplaines, is bringing in fine sweet peas to his stand at the Flower Growers' Market. Mr. Blewitt says the dull weather has been against his plants but they are looking well and promise a good crop.

The quality of roses and carnations now being sent in from Sinner Bros.' greenhouses is at the top notch. Bride and Bridesmaid of the former are fine indeed and the carnations are in all the popular kinds.

Excellent Bride, Bridesmaid and Mrs. Jardine roses have been arriving at Wieter Bros. all week in large quantities, but the stock is so good it cleans up daily as, indeed, everything does at this store.

Weiland & Risch have been showing extra good lily of the valley during the week. Their Easter lilies are also in fine shape. Killarney and other roses have been coming good and in large quantity.

Winterson's Seed Store is showing the Illinois self-watering window and plant boxes. Some Boston ferns planted some time ago and hung in the store look well and are making a good growth.

We Are Strong On

ROSES AND CARNATIONS.

Our **Beauty** crop is just coming in and we have large supplies in all grades. For Easter we will be exceptionally strong on **Beauties, Roses, Carnations**, and all Seasonable stock. The carnations now being shipped are unsurpassed in quality in this or any other market.

PRICE LIST.

AMERICAN BEAUTIES Per doz.

| | |
|-----------------------|--------|
| Extra long stems..... | \$5 00 |
| 36 inch stems..... | 4 00 |
| 30 inch stems..... | 3 00 |
| 24 inch stems..... | 2 50 |
| 20 inch stems..... | 2 00 |
| 18 inch stems..... | 1 50 |
| 15 inch stems..... | 1 00 |
| 12 inch stems..... | 75 |

Richmond, Killarney, Mrs. Per 100

| | |
|-----------------------|-------------------|
| Field, Mme. Chatenay, | |
| My Maryland..... | \$6 00 to \$10 00 |

Uncle John, Bride, Maid, Ivory, Sunrise, Golden Gate.....

| | |
|---------------------------|---------------|
| Gate..... | 6 00 to 10 00 |
| Perle..... | 5 00 to 10 00 |
| Roses, our selection..... | 4 00 |
| Carnations..... | 2 00 to 3 00 |
| Harrisii..... | 15 00 |
| Valley..... | 4 00 |
| Violets..... | 1 00 |
| Adiantum..... | 1 00 |
| Asparagus, per bunch... | 50 |
| Ferns, per 1000..... | 2 00 |

PETER REINBERG, 2,000,000 Feet of Modern Glass, 35 Randolph Street, Chicago.

It is reported that N. J. Kruchten will build a large greenhouse plant in the near future. He has the option of several locations for the purpose, but has not yet decided on either of them.

Poehlmann Bros. Co. is extra strong on good roses and the supply keeps on getting better. Cardinal has been making a pretty showing during the week and is a fine red.

Ernest Oechslein has still some fine cyclamens left at his River Forest place. Bulb stock is now in fine order and he is busy preparing bedding stock and Easter lilies.

Winterson's Seed Store looks spic and span now and all hands are busy packing up goods and making other preparations for the spring rush.

Joseph Cole, of Peoria, has been in the city during the week attending the funeral of a friend. He has just returned from a trip to Oklahoma.

Kyle & Foerster report a very heavy shipping trade all through the week, especially Saturday. The local demand has also been good.

Miss Alice Keegan, bookkeeper at Zech & Mann's has been away from business for a week on the sick list.

BOWLING.

The Orchids lost two games to the Roses on Thursday night and the Violets lost three to the Carnations. Geo. Asmus and A. Zech rolled the final for the watch fob, George being the victor. The scores and standing of the teams follow:

Standing of the Teams.

| | W. | L. | Pct. |
|-----------------|----|----|------|
| Violets..... | 30 | 21 | .588 |
| Carnations..... | 28 | 23 | .549 |
| Orchids..... | 25 | 26 | .490 |
| Roses..... | 19 | 32 | .273 |

Scores.

| | 1st. | 2d. | 3d. | 1st. | 2d. | 3d. |
|---------------|------|-----|-----|---------|-----|-----|
| Roses..... | 131 | 167 | 162 | Huebner | 117 | 142 |
| Fischer..... | 128 | 125 | 125 | Graff | 143 | 106 |
| Goerlich..... | 118 | 104 | 158 | Vogel | 108 | 151 |
| Pieser..... | 136 | 141 | 156 | Asmus | 172 | 179 |
| Lormer..... | 146 | 134 | 170 | Zech | 112 | 164 |
| W. Wolf..... | 146 | 134 | 170 | Zech | 112 | 164 |

Totals..659 671 771 Totals..657 742 675

| | 1st. | 2d. | 3d. | 1st. | 2d. | 3d. |
|-----------------|------|-----|-----|---------|-----|-----|
| Carnati's..... | 138 | 170 | 156 | Bergman | 171 | 146 |
| Zech..... | 160 | 170 | 118 | Johnson | 169 | 172 |
| Farley..... | 125 | 139 | 117 | Fueck | 93 | 112 |
| Krauss..... | 150 | 192 | 185 | Degnan | 133 | 136 |
| Pasternick..... | 184 | 170 | 179 | Yarnall | 132 | 183 |
| Ayres..... | 184 | 170 | 179 | Yarnall | 132 | 183 |

Totals..759 841 755 Totals..698 749 693

BEAUTIES

We have a large supply of medium and short coming in daily. Also plenty of long as yet, but our growers say the crop is slackening on this grade. We are especially strong on all classes of

Roses, Carnations of best quality, and Bulbous Stock

including Tulips, Narcissus, Jonquils, Freesias and others, and all classes of spring flowers.

We Are Long on Violets

Note prices for first-class stock.

VAUGHAN & SPERRY

52-54 Wabash Ave., L. D. Phone, Central 2571 Chicago

PRICE LIST

| AMERICAN BEAUTY | | Per doz. |
|--------------------------------------|-------------------|----------|
| 36 to 40-inch stem..... | \$4 00 to \$6 00 | |
| 24 to 30-inch stem..... | 2 50 to 3 00 | |
| 18 to 20-inch stem..... | 1 50 to 2 00 | |
| 12 to 15-inch stem..... | 1 00 to 1 25 | |
| Short stem..... | 75 | |
| | | Per 100 |
| Bride..... | \$6 00 to \$10 00 | |
| Bridesmaid..... | 6 00 to 10 00 | |
| Killarney..... | 6 00 to 10 00 | |
| White Killarney..... | 6 00 to 10 00 | |
| Richmond..... | 6 00 to 10 00 | |
| ROSES, our selection..... | | 4 00 |
| Carnations, good..... | 1 00 to 1 50 | |
| fancy..... | 2 00 to 3 00 | |
| Violets..... | 50 to 75 | |
| Valley..... | 3 00 to 4 00 | |
| Harrisii Lilies, doz., \$1 50 to \$2 | | |
| Callas.....doz., 1 50 to 2 | | |
| Tulips..... | 3 00 to 4 00 | |
| Jonquils..... | 4 00 | |
| Freesias..... | 3 00 | |
| Sweet Peas..... | 75 to 1 50 | |
| Asparagus.....per string, \$0 50 | | |
| Sprengeri, per bunch, 35 to 50 | | |
| Plumousus..... | 50 to 75 | |
| Galax.....per 1000 \$1 00 | | |
| Adiantum..... | 75 to 1 50 | |
| Leucothoe Sprays..... | 75 | |
| Smilax.....per doz., \$2 00 | | |
| Fancy Ferns.....per 1000, 2 00 | | |
| Boxwood.....50 lb. case, 7 50 | | |
| Wild Smilax.....50 lb., 5 00 | | |
| Prices subject to market changes. | | |

President Asmus of the Florists' Club has announced his committees for 1910 as follows: Good of the Club—Frank Pasternick, John Degnan and Herman Schiller; Transportation—E. F. Winterson; Fred Lautenschlager and M. Barker; Sports and Pastimes—Al Zeck, T. C. Yarnall and Frank Ayres.

Bassett & Washburn report business excellent, their out-of-town trade taking care of the large quantities of fine stock now arriving. O. P. Bassett carnation was in magnificent form for St. Valentine's day and sold well.

E. B. Washburn and wife will start for California February 25, and locate near Riverside. The trip is expected to benefit Mr. Washburn, who has been in none too rugged health the past few months.

Miss Sadie Palinsky celebrated her twenty-second birthday on the evening of February 15, with many young friends, some from among the wholesalers.

Quick buyers are those who get in right on glass, says Woodyard, of Sharp, Partridge & Co.

Visitors: Alois Frey, Crown Point, Ind.; Geo. Bartholomew, manager of the Miami Floral Co., Dayton, O.; Joseph Cole, Peoria; Frank H. Henry, of Henry & Lee, New York.

Another Joliet Trip.

During the Chicago flower show, the Chicago Carnation Co. gave an excursion to its place at Joliet, Ill., but found it was inconvenient for a great many florists to attend, therefore the company is going to give another excursion on Tuesday, February 22, leaving the La Salle street station, Chicago, by Rock Island train at 11:45 a. m., arriving at the greenhouses at 1 p. m., where lunch will be served. The firm asks any interested grower to join the crowd, which is sure to be a merry one.

KENNEBUNK, ME.—J. H. Elwell is installing electric light in his greenhouses and dwelling house.

CHAMPAIGN, ILL.—L. S. Spencer, late of Pesotum and Tolono has removed his wholesale cut flower business to the corner of McKinley avenue and the Bloomington road, this city. He has much better facilities here for carrying on his rapidly growing business.

"The Busiest House in Chicago"

"NOTHING SUCCEEDS LIKE SUCCESS."

If are successful with your growers you must be with your customers, and if you are successful with your customers you must be with your growers. We are successful with both and you will be successful if do business with

J. B. DEAMUD CO.

St. Louis.

The first week of Lent brought with it a marked increase in the supply. Carnations, especially Enchantress and Rose Pink Enchantress, became a glut and many of them remained unsold. Perhaps it was better to throw away a few than to have them hawked around by some of the downtown establishments for five and 10 cents per dozen, thus ruining and demoralizing the trade. Roses appear to be coming on, also bulbous stock. Quite a few callas and Harrisii lilies are in. Violets are plentiful. Bright weather continued for St. Valentine's day and low prices prevailed.

NOTES.

The Florists' Club held its monthly meeting last Thursday, with 25 members present. Wm. C. Smith gave a very interesting talk on the troubles of a wholesaler. He spoke of being between two fires, pleasing the grower and the retailer. He thought that common sense and good judgment would smooth over many difficulties.

M. B. Leach and wife, of Taylorville, Ill., were here during the past week purchasing florists' supplies. Mr. Leach has five houses 20x140 feet devoted to carnations and bedding plants. Henry Shrodt, who formerly worked for Mr. Leach, has put up a fine house and is raising lettuce. He has been very successful.

Rufus J. Lackland, president of the Boatman's bank, and 20 years president of the board of trustees of Missouri Botanical Gardens, tendered his resignation. He is 90 years of age.

He will be succeeded by D. F. Kaime, vice-president.

The Business Men's league has written J. J. Beneke, as secretary of the Florists' Club to assist in having the convention of the American Association of Nurserymen held at this city in 1911.

The Grand Avenue Florists, at 2439 N. Grand avenue, are doing a nice business. This is a good locality. Louis J. Claus is manager and is assisted by his wife, who is a good designer.

Walter Retzer, who resigned his position at the Plant Seed Co., has bought a farm in southern Texas. He started Tuesday, his wife will follow later.

Jules Bourdet has moved over all his stock to the greenhouses recently purchased by Geo. Waldbart, and will grow stock for the trade.

Brix Floral Co. is about to transfer its greenhouses to J. Michel, their foreman, if matters can be adjusted satisfactorily.

Max Herzog has completed his house and greenhouse on California avenue, where he will carry on a retail business.

Riessen Floral Co. report large sales in violets and other flowers for Valentine day.

Werner Bros. are bringing into the market some extra fine carnations.

W. F.

SPRINGFIELD, ILL.—H. F. Janssen, who has been connected with the seed and flower store of A. C. Brown for a number of years, will open a store at 408 Adams street about March 1. Mr. Janssen recently purchased the two buildings, 408-410 Adams street.

Cut Flowers * E. H. HUNT

FOR ALL OCCASIONS.
FLORISTS' SUPPLIES TOO.

— SEND FOR PRICE LIST. —
76 Wabash Avenue, CHICAGO.

KYLE & FOERSTER,

W. P. KYLE.

51 Wabash Ave.,

CONSIGNORS SOLICITED.
Wholesale Florists.

L. D. Phone
Randolph 3619.

JOSEPH FOERSTER

CHICAGO.

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., **Chicago**
L. D. Phone, Central 466.

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it at
Chicago market prices on day of shipment.

CHAS. W. McKELLAR,

51 Wabash Ave.,
CHICAGO.

ORCHIDS

A Specialty

Fancy Stock in Peonies,
Valley, Roses, Beauties,
Carnations and a full line
of all Cut Flowers, Greens,
Wire-Work and Florists'
Supplies.

Send for Complete
Catalogue.

POLHLMANN BROS. CO.

Wholesale Growers of and Dealers in

Cut Flowers

All telegraph and telephone orders
given prompt attention.

Greenhouses 32-37 Randolph St.
MORTON GROVE, ILL. **CHICAGO.**



Davenport, Ia.

FLORIST CLUB MEETING.

The regular monthly meeting of the Tri-City Florists' Club was held at the home of Harry M. Bills on the evening of February 10, with nearly every member in attendance. The evening topic, "How to Advance the Florists' Business Commercially and Otherwise," brought out some very good suggestions. Theo. Ewoldt and Wm. Goos were the leaders in the debate that followed. The committee reported having secured the Outing club as a place to hold the fourth an-

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

| CHICAGO, Feb. 16 | |
|----------------------------------|---------------------|
| Roses, Beauty, extra select .. | 5 00 |
| " " 36 in | 4 00 |
| " " 30 in | 3 00 |
| " " 18 in | 2 00 |
| " " 15 in | 1 10 |
| " " Short | 75 |
| Per 100 | |
| " Bride, Bridesmaid, select.. | 8 00@12 50 |
| " " medium | 4 00@ 6 00 |
| " Killarney, select | 6 00@15 00 |
| " " medium and short | 4 00 |
| " Mrs. Jardine | 4 00@10 00 |
| " Mrs. Potter Palmer | 8 00 |
| " My Maryland | 8 00 |
| " Perle | 7 00 |
| " Richmond extra select | 4 00@12 00 |
| " Uncle John | 6 00 |
| " White Killarney, select | 8 00@15 00 |
| " " medium | 4 00@ 6 00 |
| Carnations, select fancy | 3 00@ 4 00 |
| " common and splits | 1 00@ 2 00 |
| Callas | per doz. 2 00 |
| Hyacinths, Roman | 2 00@ 4 00 |
| Lilium Harrisii | per doz. 1 50 12 00 |
| Lily of the Valley | 3 00@ 4 00 |
| Mignonette | 3 00@ 5 00 |
| Narcissus | 2 00@ 3 00 |
| Orchids | per doz. 6 00@ 9 00 |
| Sweet Peas | 40@ 1 50 |
| Violets | 50@ 75 |
| Adiantum | per 1000. 1 50 |
| Asparagus Plum, strings, each .. | 60@ 75 |
| " " sprays | 3 00@ 4 00 |
| " Sprengerii | 3 00@ 4 00 |
| Boxwood, per bunch | 35c per case. 7 50 |
| Ferns | per 1000. 2 00 |
| Smilax | 1 50 |

nual banquet, and, as most of the members are Irish—(Boehm, Knees, Pauli, Stoltz, Grapengater, Ewoldt), March 17 was the date selected for the event. The nominating committee recommended that all the old officers be re-elected, the election to take place at the next regular meeting, the club having accepted the invitation of Henry Pauli to meet at his home on the evening of March 3. After other routine matters were dispensed with, the host invited the members into the dining room, where a fine spread was in waiting, and as every member has been shoveling coal like a good fellow the past several weeks, it is needless to say that all did justice to the meal.

BE YOUR OWN COMMISSION MAN
— AT THE —

Flower Growers' Market

60 Wabash Ave., CHICAGO.

A Few Desirable Stands For Rent.

See JOHN SINER, Manager.

WIETOR BROS.

Wholesale Cut Flowers
Growers of

All telegraph and telephone orders given
prompt attention.

51 Wabash Ave.. **CHICAGO.**

Quality Counts.

Let us have your next order for
Roses and Carnations
and other Seasonable Flowers.

JOHN KRUCHTEN,51 Wabash Ave.. **CHICAGO.**

HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 51 Wabash Avenue, CHICAGO

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO

Telephone, Central 3284.

A. L. Randall Co.

19-21 Randolph St.,

CHICAGO.

L. D. Phone Central 1496. Private Exchange
All Departments. If you do not receive our
price list regularly send for it.

NOTES.

A most beautiful valentine arrived at the home of Ludwig Stapp the other day (a little early). That is what makes Lud. wear such a fine smile these days—Miss Stapp.

Our Uncle John Temple has been forced into politics and is running for park commissioner. Here's hoping he wins. (The election takes place in April.)

Henry Pauli intends to tear down several of his old houses and replace them with modern ones. T. E.

Philadelphia.

GOOD VALENTINE TRADE.

Sentiment ruled the market last Monday and if the tender passion would only well up oftener there would be signs of greater activity all along the line. On second thought, however, perhaps it is just as well, for every little accumulation means an addition to the place. "It all goes into sash" and then comes the burning question what shall be done with the surplus. This year's valentine trade was the best ever, with the demand running first for violets and then roses; in fact, all flowers sold well. Made-up work, such as heart-shaped hampers filled with violets and lily of the valley, pansies or sweet peas sold very well, as did plants in flower, nicely done up. There were also many valentine dinner parties for which the decorations were quite elaborate. Solid and hollow hearts of red roses or red carnations and some of pink were the principal features of these tables. Orchids and lily of the valley were quite popular and many nice clusters of these flowers were sent. Coming on Monday there was a great hustle for stock and on account of the cold weather many of the rose shipments were very close. Beauties were scarce, \$7.50 to \$9 being asked for the specials, and very tight buds at that. Richmonds were also very scarce—in fact, all roses sold up close. There appeared to be a sufficiency of carnations, as \$3 was about the price for specials. Violets sold very well, but the growers appeared to have been saving up and there was a large stock, which sold up clean, however, with the close of the day. Daisies and forget-me-nots were also popular and added much to the valentine specials.

Gus Doemling, of Lansdowne, has contracted with the Lord & Burnham Co., through D. T. Connor, for two houses, 21x200 feet, for roses, which are Mr. Doemling's specialty and which he does so well that his stock has attracted the attention of New York buyers. He is now a regular shipper to that market.

K.

Aphine at Philadelphia.

There was a demonstration of the efficiency of this new destroyer of insect pests on Saturday last at the new seed store of the H. F. Michell Co., Sixth and Market streets, Philadelphia. Growers had been invited to bring plants of all kinds that were infested and see the various "critters" put away in a jiffy, which prediction was certainly carried out. Martin C. Ebel, the secretary of the Aphine Co., was the demonstrator and showed how very easy it was to apply the insecticide. It is not an oily, sticky or bad smelling solution, and when applied does not require washing off, except that a good hosing the next day will remove all insects, from which all life appears to be taken with one application. In this demonstration one plant in particular, a ficus, was badly affected with the long Belgian scale and mealy bug. The Belgian black scale is said to be one of the toughest of the family, but in less than half an hour after the application the insects were easily removed by wiping, and a good stream from the hose would have cleared the leaves effectually. There are various strengths, which are best applied with an atomizer, the best forms are those in which air is pumped for power. For applications where a large number of plants are to be treated, it is best to mix a sufficient quantity to allow of their being dipped, which insures that no guilty bug escapes. We congratulate the Aphine Co. on the apparent success of their solution as seen here, for if the results attained in this test will

work out practically on a large place, the cost of growing plants will be materially reduced, and growers will have to find some other "rainy day" job than gunning for bugs. K.

Boston.

LENTEN QUIETNESS.

The advent of the lenten season invariably means a marked falling off in the trade of the retailer. This year is no exception. With one step we go from a good brisk business to a period of extreme quiet. The early part of the week was marked by severe cold weather and stock was none too plentiful. Towards the latter part the weather moderated and stock of all kinds is dragging a little. Interest in St. Valentine's day was keen. The violet growers had orders for the day exceeding those of former years by many thousands. Stock of all kinds is plentiful, especially in the bulbous line. Large quantities of Golden Spur, Von Sion and other narcissi and tulips are coming in. They clean up remarkably well. Carnations hold up well in price and the better grades are in good demand. Roses of all varieties are coming in more plentifully, especially in the smaller grades. American Beauties are coming along more freely, but still bring top prices. Sweet peas and violets are perhaps the most plentiful stock in the entire list. There is an abundance of Easter lilies, mignonette, wallflower, etc., coming in. White lilac and acacia are coming in in limited quantities and sell on sight. Pansies are in good demand and there seems to be a shortage of good stock. Orchids, gardenias and lily of the valley are much more plentiful than a short time ago, while the demand is considerably less. Many of the stores are now making elaborate window displays of cattleyas, where but a few short weeks ago they could scarcely get enough for their orders. Considerable myosotis is coming in; good freesia is still scarce. Business in the green goods' line is a little slow. Plants are selling very well.

NOTES.

The interest and preparations for St. Valentine's day this season goes ahead of all previous years. Many fine window displays were to be seen, and several artistic and timely novelties were shown. The retailers have grown to realize that this is a phase of the trade that can be cultivated, and when carefully looked after the returns are most satisfactory.

Some of the finest *Acacia pubescens* we have ever seen was brought in by Wm. Martin, of Milton, recently. It is unfortunate that more such stock is not to be had, as the better class of flower buyers appreciate quality more than ever, and it is a pleasure to sell the best to those who know what it is.

Walter Holden is bringing in a novelty grown by Small, of Tewksbury. It is on the daisy order (*Dimorphotheca aurantiacal*). It opens and closes several times, and when fully opened makes a most attractive little flower. It is not unlike the common ox-eye daisy in appearance.

T. J. Clark says trade is very satisfactory in his recently remodeled store. This is the most attractive basement store in the city, and Mr. Clark says there is a certain pleasure derived from the fact that he is not wholly working for the landlord.

Salesman Walsh has to move lively in the morning nowadays, as the demand for Sim's sweet peas, which he is handling, is so great that the buyers literally mob him in their eagerness to get their share of his goods.

W. Goodenow, of Stoughton, is bringing in some of the yellow primula that he makes a specialty of.

This bright little flower is very popular and is a good seller.

One of the most attractive Valentine day decorations was that of Hoffman's. The idea was carried out very artistically and greatly admired by all who saw it.

Welch Bros. are receiving regular shipments of Beauties nowadays. They are of fine quality and a great addition to a very limited market.

The Waban Rose Conservatories are running strong on Killarney and White Killarney. These roses, when good, are a hard combination to beat.

Frank White, of Randolph, is again on the sick list. He came out too soon after his recent illness and had a bad setback.

A. Leuthy, of Roslindale, is showing a fine lot of white lilac. This plant has become a great favorite of late years.

H. M. Robinson & Co. report trade as fair, but noticed a falling off with the starting of Lent.

P. L. Carbone had a particularly tempting display of valentine novelties in his windows.

H. M. Robinson and Wm. Penn have just returned from an extended trip through the west.

R.

Pittsburg.

This city is again in the grip of a terrific blizzard, and is almost completely snow bound with a fall of snow breaking the season's record. The subsequent drifts caused by the high winds were reported to be the worst experienced for the last 50 years. This is putting a damper on the business, both on incoming and outgoing shipments. St. Valentine's day has been looked forward to by all as a pretty good day. But this sudden change is upsetting their plans somewhat. The commission houses are loaded to the top with fine stock of all kinds. Violets are moving out fairly well, considering they arrived 12-18 hours late.

NOTES.

B. L. Elliott, formerly a well known florist of Cheswick, but for the past two years superintendent of John Bader's plant, Troy Hill, was united in marriage to Miss Mary Bader. They are spending their honeymoon at Cambridge Springs.

Casper Limbach, a member of the Florists' Club, committed suicide Tuesday evening, worry being the cause of his despondency.

W. A. Herbert, Wellsville, O., who was struck with a coaster and had his arm badly broken, is able to be around again.

Jos. Thomas, Greensburg, is going to put up two new houses which he intends to plant to white and pink Killarney roses.

J. H. Milner, Ada, O., is in town showing several new seedling carnations of his that look good.

W. Smith, formerly with A. T. Lorch Co., is now with F. H. Westhoff, De Haven.

Reich, of Reich & Barber, Alliance, O., is in town and reports business very good.

J.

GREENS FARMS, CONN.—The condition of E. B. Jennings shows signs of improvement, although he is still very weak.

WALKERVILLE, ONT.—The Horticultural Society's annual announcement and list of premiums for 1910 has been issued. J. N. Taylor is president for this year, A. Mapes and J. Pitcher, first and second vice-presidents; N. B. Vrooman, treasurer, and W. H. Smith, secretary. The association is in a sound, healthy condition financially and doing much good work locally.

Bulbous Stock

Single Daffodils, Golden Spur and Princes.
Tulips, Pink, White, Red and Yellow.
Valley, Very Choice, \$3.00 and \$4.00 per 100.

Acacia Pubescens.

Long graceful sprays of small yellow, ball shaped flowers, beautiful foliage, a very choice novelty
\$2.50 per bunch.

THE LEO NIESSEN CO., Business Hours. a. m. to 8 p. m.
Wholesale Florists 1209 Arch Street, Philadelphia, Pa.

American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

226
WELCH BROTHERS, Devonshire St. Boston, Mass.

Grafted and Own Root Rose Plants

Killarney, Richmond, My Maryland, White Killarney,
(Waban strain), Kaiserin, Bride and Bridesmaid.

Send for Prices

W. H. Elliott, Brighton, Mass.

Pittsburg Florists' Exchange

Wholesale Cut Flowers

Everything Seasonable

Headquarters for Ferns, Galax, Leucothoe and Wild Smilax, and carry a large supply of the best on hand at all times. We quote the following interesting prices on small or large quantities.

Ferns, fancy and daggers, \$1.25 per 1000
Galax, green and bronze 65c per 1000.
Leucothoe, green and bronze 65c per 100.



Wild Smilax, large cases, \$4.50 per case.

15 Diamond Square, PITTSBURG, PA.

Wholesale Flower Markets

| PITTSBURG, Feb. 16. | | Per 100 |
|---------------------------------|-------------|---------|
| Roses, Beauty, special. | 25 00@40 00 | |
| " " extra. | 15 00@20 00 | |
| " " No. 1. | 8 00@12 00 | |
| " " Bride Bridesmaid. | 4 00@8 00 | |
| " " Chatenay. | 4 00@8 00 | |
| " " Killarney. | 4 00@8 00 | |
| " " My Maryland. | 4 00@8 00 | |
| " " Richmond. | 4 00@8 00 | |
| Carnations. | 2 00@3 00 | |
| Bouvardias. | 2 50@3 00 | |
| Callas. | 10 00 | |
| Cattleyas. | 75 00 | |
| Cypripediums. | 15 00 | |
| Gardenias. | 35 00@50 00 | |
| Hyacinths, Romans. | 2 00 | |
| Lilac, white. | 1 00@1 50 | |
| Lilium Longiflorum. | 12 00 | |
| Lily of the Valley. | 4 00 | |
| Mignonette. | 4 00 | |
| Narcissus. | 2 00@3 00 | |
| Sweet Peas. | 50@1 00 | |
| Violets, double. | 75@1 00 | |
| " single. | 50@75 | |
| Adiantum. | 1 50 | |
| Asparagus Sprengeri, per bunch. | 50 | |
| " strings...per string. | 50 | |
| " sprays...per bunch. | 50 | |
| Smilax. | 15 00 | |

| PHILADELPHIA, Feb. 16. | | Per 100 |
|------------------------|-------------|---------|
| Roses, Beauty, extra. | 40 00@75 00 | |
| " " first. | 25 00@35 00 | |
| " " Brides and Maids. | 6 00@10 00 | |
| " " Tea. | 6 00@10 00 | |
| " " extra. | 12 00@25 00 | |
| Carnations. | 4 00@6 00 | |
| Cattleyas. | 50 00@75 00 | |
| Lilium Harrisii. | 12 00@15 00 | |
| Lily of the Valley. | 4 00@5 00 | |
| Mignonette. | 5 00@6 00 | |
| Sweet Peas. | 75@1 00 | |
| Violets, single. | 75@1 00 | |
| " double. | 1 00@1 50 | |
| Adiantum. | 75@1 00 | |
| Smilax. | 15 00@20 00 | |

| BOSTON, Feb. 16. | | Per 100 |
|-----------------------|-------------|---------|
| Roses, Beauty, best. | 25 00@50 00 | |
| " " medium. | 15 00@25 00 | |
| " " culls. | 5 00@10 00 | |
| " " Bride Bridesmaid. | 4 00@6 00 | |
| " " Extra. | 6 00@8 00 | |
| Carnations. | 2 00@3 00 | |
| " selected. | 25 00 | |
| Callas. | 8 00@16 00 | |
| Cattleyas. | 50 00@75 00 | |
| Lilium Longiflorum. | 10 00 | |
| Lily of the Valley. | 2 00@4 00 | |
| Smilax. | 12 00@16 00 | |

VIOLETS, VALLEY.

Quality best.
Prices right.

Carnations. VERY FANCY.

Get prices on quantities.

All other stock in quantity.

McCALLUM CO., Inc.,

Pittsburg

Pittsburgh Cut Flower Co.,

Wholesale Florists and Growers,

The House that has and sells good goods at fair prices.

Salesrooms, 222 Oliver Ave.

PITTSBURGH, PA.

Choice Assortment of CUT FLOWERS will be found here.

WRITE FOR PRICES.

W. E. McKissick & Bros.

WHOLESALE FLORISTS.

Business Hours 7 a. m. to 8 p. m. 1619-1621 Ranstead St., PHILADELPHIA, PA.

Absolutely
The Best Possible
Service.

EVERYTHING A FLORIST USES.

The Denver Wholesale Florist Co.

1433-35 California St.

J. B. Murdoch & Co.

714 Penn Avenue

PITTSBURG, PA.

All Flowers in Season. Send for list.

RICE BROTHERS

Wholesale Florists and Supplies.

115 N. 6th St., MINNEAPOLIS, MINN.

Cut Flowers received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities.

Decatur, Ill,

Trade has been rather on the dull side here for a time though it is good generally. All the growers here have retail stores and all are doing well.

Frank Aitkin has two houses in which he grows violets, bedding plants and other stock for home sales. In summer he grows berries and vegetables outside for the market.

DEC.

—THE—

J.M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

Weiland & Olinger,

128 E. Third St., CINCINNATI, O.

Wholesale Growers and
Shippers of Cut Flowers.

Carnation Georgia, \$12.00 per 100; \$100.00 per 1000
Greenhouses, NEW CASTLE, IND.

New York.

TRADE SLOW.

The beginning of Lent showed a great falling off in trade. Nobody believes that the present dull condition of the market will be long continued. The society people do not fear the devil as much as they did in former times. Bad weather has been a contributing cause toward making the past week a bad one for the trade. Another heavy snow storm visited this city and vicinity on the night of February 11. Saturday is usually a good day but the heavy fall of snow made conditions very disagreeable, consequently there was a great falling off in counter trade. Throughout the week business was very dull. Good American Beauty roses sold as low as 25c each and good carnations sold for \$1 per 100. We do not deny that a portion of these stocks sold for higher prices, but when retailers can placard their windows offering carnations at 35c a dozen, they must be buying cheap. The better grades of tea roses also suffered. The shorter grades were more in demand on account of much funeral work.

February 14.—There is a slight improvement in business this morning. Though St. Valentine's day is not considered of great importance in the trade, it helps some and there is the additional advantage of good weather. Prices have not advanced, but stock cleans up better.

February 15 (by wire).—The condition of the market is very bad. Carnations, lily of the valley, Narcissus Golden Spur and freesias are practically a glut and are being slaughtered.

NOTES.

The store of Young & Nugent, 42 West Twenty-eighth street, narrowly escaped destruction by fire on the night of February 10. The heroes of the occasion were Henry Reichers, salesman for John I. Raynor, and a little dog, an attache of the Young & Nugent store. Mr. Reichers has a room over the store. Early in the evening his attention was attracted by the frantic barking of the dog. He at once investigated and finding the building on fire, rushed out and turned in an alarm. The firemen promptly responded and extinguished the blaze, which was caused by an overheated furnace, before it had done much damage.

The most notable wedding decoration seen in this city this season was executed by M. A. Bowe on February 8, the occasion being the marriage of Miss Electra Havemeyer to James Watson Webb. Both of the contracting parties are members of old and well known families. The ceremony took place at St. Bartholomew's church. The altar was beautifully decorated with white roses and the pews were marked with bunches of lilies. Palms, white azaleas and lilacs made a grand display in the chancel and in front of the choir stalls.

Frank Traendly had a very strenuous week. As previously noted, he came near being injured in an explosion in a restaurant near his store on Monday; on Tuesday, one of his children was taken seriously ill; on Wednesday, a building which he owns in Brooklyn caught fire and was seriously damaged. The sick child is improving and "Papa" is thankful that things were not as bad as they might have been.

Seizo Suzuki, youngest son of the president of the Yokohama Nursery Co., Yokohama, Japan, is spending a week in the city with headquarters at the company's office. He will soon sail for England to look after the interests of his company at the Anglo-Japanese exhibition, which opens in

London in May. Mr. Suzuki is a young man of engaging personality and has made many friends during his visit.

J. K. Allen is now handling exclusively in this market, *Vancouveria hexandra* (the so-called Mexican ivy), a green that is more pleasing to many persons than galax. It is a native of the Pacific coast and Mr. Allen receives his shipments from California.

A recent visit to the John Scott range showed a great stock of Easter lilies coming on in fine condition. All told there are between 50,000 and 60,000 pots of lilies. There is much other fine stock including a great crop of gardenias.

Noteworthy among the fine stocks of spring flowers, are the narcissi and tulips being handled by A. H. Langjahr. In a short time he will move to a larger store where he will be better prepared to handle his increasing business.

In anticipation of Easter, the plant trade is looking up. Kessler Bros., the only exclusive plant men on Twenty-Eighth street, are already showing a very fine stock which will be greatly enlarged as Easter draws near.

Frank D. Hunter, who, as reported in our issue of February 12, was seriously injured by being run down by an automobile, is progressing favorably toward complete recovery.

Chas. H. Brown, proprietor of the Belnord Flower Store, has been taking a short vacation among his old friends at Rhinebeck.

John N. Champion of New Haven, Conn., was in the market on February 11. He reports good business at New Haven.

Chas. C. Haggerty has taken the store formerly known as the "Orchid Florist," 198 Columbus avenue.

Washington.

At the last meeting of the Florists' Club, J. H. Harty was admitted to membership. Nomination of officers was also in order: F. H. Kramer, Geo. H. Cooke, John Robertson, for president; Elmer Mayberry, vice-president; W. A. Ballinger, J. L. Carberry, secretary, Wm. F. Gude; treasurer, W. W. Kimmell, O. A. C. Oehlmeier, David Bissett, directors for three years. As it was ladies' night, the meeting adjourned as soon as possible to make the evening an enjoyable one for all present; special talent was engaged, and soon the merry throng applauded loudly. Judge Robt. Montague paid a high tribute to the ladies by comparing them with the flowers, both in beauty and innocence. Refreshments were served, and dancing was kept up until a late hour.

Business has been very brisk, every florist working his staff both early and late. Funeral work seems to be especially plentiful. Stock is in good shape, and there is plenty of it to supply the demand. Fair prices are realized. Valentine windows were in evidence at the retail stores, and there was a good demand for violets, orchids and lily of the valley for that day.

NOTES.

The Washington Florist Co. has a very attractive and pretty window. The feature is a rustic Japanese tea house, appropriately decorated with clinging vines, and flowers; the lawn is adorned with growing lilacs and Japanese plants. An old lamp post and lamp illuminated the outer surroundings, while Japanese lanterns suspended from the roof of the tea house illuminated the interior.

A floral fountain was the feature for a table decoration for a dinner given by Gov. Chas. Magoon, at the

Alibi club. Geo. C. Shaffer executed the work. The feature of this firm's windows was a floral heart of violets and orchids and other appropriate valentine novelties.

J. R. Freeman showed an excellent display of flowering plants and novelties: A red heart, decorated with violets, was placed conspicuously as a reminder of the day.

Z. D. Blackstone's windows are attractively decorated with novelties, and arrangements which appeal to the senders of floral valentines.

Gude Bros.' window is filled with Valentine novelties, a huge red heart pierced with an arrow being most conspicuous.

F. H. Kramer's display of plants and cut flowers is bound to catch the eye. He is famous for his souvenirs.

George H. Cooke, as usual, is hustling with luncheon and dinner decorations.

A circle of hearts and other novelties were the feature of Marche's window.

Visitors: Sidney Bayersdorfer and — Smith of Boas & Co., both of Philadelphia.

G. S.

Buffalo.

TRADE GOOD.

The weather is still very wintry. Trade was not lessened, however, for the last hours preceding Lent were busy ones for all. Several weddings and receptions were scheduled and played their part up to the advent of Ash Wednesday. The funeral of the city's health physician, after a lingering illness, gave the retailers some very fine orders for their choicest stock, mostly in bunches and artistic wreaths. St. Valentine's day was beyond the expectation of all last year, falling as it did on Saturday, naturally made it a good day, equaled only by Easter Saturday, but today (Monday) has demonstrated beyond all question of a doubt that St. Valentine's day is the day for the florist who can put in a window and reach the people with a good ad. Violets, valley, freesia, orchids and bulb stock, not forgetting roses and carnations, more especially in red, found a ready sale. Aided by artistic arrangement in baskets, boxes, heart designs, etc., pussy willow, well out, was a great favorite in all arrangements.

Twins were on exhibition in Palmer's last week, two perfect jonquils. Owing to their color, yellow, we did not accuse Slattery, of the Emerald Isle, of putting them in the window. The only men that could plead guilty are Grever and Stuntz.

SPORTS.

The bowling club is in a flourishing condition, so much so that one of the German element offered to bet that he could give one would-be bowler, who only has one good leg to stand on, 50 pins for four games and a side bet of 25 cents a game. The short pedal rolled one game of 133—no handicap, and the ex-knight of the milk wagon got 126—that was one game. He was nauseated after that. I wish Slattery and a few more had seen the game. Eddie should practice. The following are averages for January: Kasting, 181; Neubeck, 164; Sandiford, 164; Wallace, 163; McClure, 161; Streit, 154; Stephan, 140; Grever, 132; Slattery, 130; Stunz, 126; Gillis, 120; Toben, 117; Good, 111; Savage, 95; Wells, 62. On February 7 L. H. Neubeck rolled 234; average for the evening, 190. While the average of Mr. Good is bad, it may prove good, as he is a new member, but if Good is bad, a Savage has no thoughts of getting dipped in anything, especially Wells.

BISON.

1887

Telephone 167 Madison Square.

1910

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Established 1887.

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NEW YORK CITY.

Open the year around to receive shipments of Cut Flowers.

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WHOLESALE FLORISTS,

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Phones, 798 and 799.

NEW YORK.

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On the ground floor of New York Cut Flower Co.
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26th Street and 6th Avenue and NEW YORK
444 6th Avenue,

Open from 6 a.m. to 6 p.m. The "Hub" of the Wholesale District.

Young & Nugent,

Telephone 2065-2066 Madison Square.

42 West 28th Street,
To out-of-town florists

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We are in the Heart of
And give special attention to steamer and Theater orders. Prompt
deliveries and best stock in the market.

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THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES, 1664-1665 MADISON SQUARE.
ENOUGH SAID.

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Give us a
Trial.
We can
Please you.

Roses, Carnations and all kinds of
Seasonable Flowers in Stock.

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Commission Florists.
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

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Telephones: 4620 4621 3864 Madison Sq.

**VIOLETS CARNATIONS
AND ROSES**

Shipping Orders Receive Prompt Attention.

INDEPENDENCE, MO.—Eric Frandsen
is starting in business here, having
bought an establishment. He has had
plenty of experience in the business
at Atlantic, Ia., Lincoln, Neb., and
other points, and will undoubtedly
make a success of his venture.

Wholesale Flower Markets

| NEW YORK, Feb. 16 | |
|-----------------------------------|--------------|
| Roses, Beauty, special..... | 30 00@40 00 |
| fancy..... | 20 00@25 00 |
| Bride, Bridesmaid, special..... | 10 00@12 00 |
| extra and fancy..... | 6 00@ 8 00 |
| No. 1 and No. 2..... | 3 00@ 5 00 |
| Killarney, special..... | 12 0 0@15 00 |
| extra and fancy..... | 8 00@10 00 |
| No. 1 and No. 2..... | 3 00@ 5 00 |
| My Maryland..... | 4 10@15 00 |
| Richmond..... | 3 00@15 00 |
| Carnations..... | 1 00@ 3 00 |
| Callas.....per doz., | 1 00@ 1 25 |
| Cattleyas..... | 40 00@60 00 |
| Gardenias.....per doz., | 2 00@ 4 00 |
| Hyacinths..... | 1 00@ 1 50 |
| Lilium Longiflorum..... | 6 00@ 8 00 |
| Lily of the Valley..... | 1 00@ 3 50 |
| Mignonette.....per doz., | 50@ 1 00 |
| Narcissus Paper White..... | 1 00@ 2 00 |
| Yellow..... | 1 50@ 4 00 |
| Sweet Peas, per doz, bunches..... | 75@ 1 50 |
| Tulips..... | 1 50@ 4 00 |
| Violets..... | 25@ 50 |

| BUFFALO, Feb. 16. | |
|---------------------------------|-------------|
| Roses, Beauty, special..... | 5 00 |
| fancy..... | 4 00 |
| extra..... | 3 00 |
| Bride, Maid, Killarney..... | 4 00@15 00 |
| Carnations..... | 2 00@ 3 00 |
| Daffodils..... | 3 00@ 4 00 |
| Daisies..... | 1 00@ 1 50 |
| Hyacinths, Roman..... | 2 00@ 3 00 |
| Lilium Longiflorum..... | 12 00@15 00 |
| Lily of the Valley..... | 4 00@ 5 00 |
| Mignonette..... | 3 00@ 5 00 |
| Narcissus..... | 2 00@ 3 00 |
| Stevia..... | 1 00@ 1 25 |
| Sweet Peas..... | 50@ 1 00 |
| Tulips..... | 3 00@ 5 00 |
| Violets, double..... | 50@ 1 00 |
| Adiantum..... | 75@ 1 50 |
| Asparagus.....bunch..... | 25 00 50 00 |
| Asp. Plumosus strings..... each | 40@ 50 |
| Ferns.....per 1000 | 2 00 |
| Galax, Green or Bronze per 1000 | 1 50 |
| Smilax strings..... | 15 00 |

August Millang

WHOLESALE FLORIST

41 W. 28th St., NEW YORK

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.

Open for Cut Flower Sales at 6
o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

V. S. DORVAL, Secretary.

WASHINGTON, D. C.—James Kerr,
Sr., for 50 years director of the gar-
dens at the Department of Agricul-
ture, died February 5 at the age of 81.

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty. Roses,
Violets, Carnations, Valley, Lilies, Etc.

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Telephones: 2200 and 2201 Madison Square.

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Walter F. Sheridan

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39 West 28th St., NEW YORK.

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Are the best product of the best growers
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Adiantum Croweanum sold here exclusively.

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Wholesale Plantsmen and Florists.

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All flowers in season. Consignments of first-
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Greens! Greens! Greens!

Boxwood, per case, 50 lbs. \$6.00; 100 lbs., \$11.00
Leucothoe Sprays, per 100. 50c; per 1000, \$4.00.
Galax, green and bronze, per 1000. 75c; per case 10 000, \$6.00.
Wild Smilax, per 50-lb. case, \$5.00; 2 case lots, \$9.00. 4 case lots, \$16.
Smilax, per dozen strings \$1.50.
Fancy Eastern Ferns, per 1000. \$1.75; 5,000 lots, \$8.00.
Green Sheet Moss, per bundle, \$1.00.
Sphagnum Moss, per bundle, \$1.00.

William Murphy,

Wholesale Commission Florist.

L. D. Phone 311 Main St., Cincinnati, O.
 M 980.



Galax and Leucothoe Sprays

Quality counts and we have it. A trial order will convince you. New field. No competition: 15 years' experience. Everything shipped under positive guarantee. Prices as follows: **Galax**, Green or Bronze, 50c per 100. **Leucothoe Sprays**, Green, 2 feet and up, long, \$2.50 per 1-00. **Leucothoe Sprays**, Green, 16 inches and up to 2 feet, \$1.50 per 10.0. **Leucothoe Sprays**, Bronze, good lengths, \$4.00 per 1000. Reasonable discount on large orders.

The Tuckaseegee Evergreen Co.

SYLVA, N. C.

George Cotsonas & Co.

Wholesale and Retail Dealers
 in all kinds of
Evergreen

Fancy and Dagger
 Ferns, Bronze and
 Green Galax,
 Phone 1202 Mad. Sq.

Main Store, 50 W. 28th St., NEW YORK.

New Crop Ferns

FANCY and DAGGER ready May 1st.
 Special price for large orders
 Price \$1.25 per 1000.

CALDWELL THE WOODSMAN CO.,
Evergreen, Alabama

Lansing, Mich.

Gurdon B. Smith

Covers all Points in Michigan. Best of
 Shipping Facilities in all Directions.
 Always has the best of Everything.

Louisville, Ky.

JACOB SCHULZ,

550 So. Fourth Avenue.

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist

MICHIGAN. Orders will be carefully
 cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS.

GEO. A. HEINL, Leading Florist,
 TOLEDO, OHIO.

All Orders Promptly Executed.



FANCY.

Henry M. Robinson & Co.

Wholesale Commission Florists.

Cut Flowers of all kinds, Hardy Cut Evergreens and Florists' Supplies.

Dagger and Fancy Ferns..... \$1.50 per 1000
Bronze and Green Galax..... \$1.00 per 1000; 8 50 per 10 000
Leucothoe Sprays..... \$1.00 per 100; \$7.50 per 1000

Southern Wild Smilax, Branch Laurel, Laurel Festooning,
 Green and Sphagnum Moss, Boxwood Sprays,

A large stock constantly on hand. Can fill orders at a moment's notice, Telephone or telegraph.

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FANCY FERNS, \$1.75 per 1000

New Crop Galax, Bronze or Green..... \$1.25 per 1000; 10 000, \$7.50
Sphagnum Moss, large bales..... \$1.25; 6 bales, \$7.00. Extra fine
Leucothoe Sprays, Green and Bronze..... \$1.00 per 100; \$7.50 per 1000
Boxwood..... per bunch, 35c; 50-pound case, \$8.50

Florists in the Middle and Western States can save money
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All phone connections.

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Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

Wholesale Flower Markets

| St. Louis, Feb. 16. | |
|----------------------------------|-------------|
| Roses, Beauty, long stems..... | 30 00@40 00 |
| medium stems..... | 15 30@20 00 |
| short stems..... | 6 00@10 00 |
| Bride, Bridesmaid..... | 6 00@10 00 |
| Chatenay..... | 6 00@10 00 |
| Killarney..... | 6 00@10 00 |
| My Maryland..... | 4 00@6 00 |
| Richmond..... | 6 00@10 00 |
| Carnations..... | 1 00@1 50 |
| fancy..... | 2 00@3 00 |
| Callas..... | 10 00 |
| Easter Lilies..... | 10 00 |
| Hyacinths, Roman..... | 1 50@2 00 |
| Jonquils..... | 2 50@3 00 |
| Narcissus..... | 2 00@2 50 |
| Sweet Peas..... | 50@75 |
| Adiantum..... | 1 50 |
| Asparagus Sprengeri..... | 2 00@3 00 |
| cut sprays..... | 1 00@2 00 |
| Ferns, fancy..... per 1000, 2 00 | |
| Smilax..... | 12 50@15 00 |

| CINCINNATI, Feb. 16. | |
|------------------------------------|-------------|
| Roses, Beauty..... | 2 00@6 00 |
| Bride, Bridesmaid..... | 3 00@8 00 |
| Golden Gate..... | 3 00@8 00 |
| Killarney..... | 4 00@10 00 |
| Richmond..... | 4 00@10 00 |
| Carnations..... | 2 00@3 00 |
| Callas..... | 12 50 |
| Hyacinths, Roman..... | 15 00 |
| Lilium Longiflorum..... | 4 00 |
| Lily of the Valley..... | 3 00 |
| Narcissus, Paper White..... | 1 00@1 50 |
| Violets, single and double..... | 1 00@1 50 |
| Adiantum..... | 1 00@1 50 |
| Asparagus Sprengeri, per lbh. 25 | |
| Ferns, Eastern..... per 1000, 1 50 | |
| Galax, Bronze..... per 1000, 1 25 | |
| Smilax..... | 12 50@20 00 |

| MILWAUKEE, Feb. 16. | |
|-------------------------------|------------|
| Roses, Beauty..... | 1 50@6 00 |
| Bride, Bridesmaid..... | 5 00@12 00 |
| Killarney..... | 5 00@15 00 |
| Liberty, Chatenay..... | 2 00@8 00 |
| Perle..... | 4 00@10 00 |
| Richmond..... | 4 00@10 00 |
| Carnations..... | 1 50@4 00 |
| Lilium Giganteum..... | 15 00 |
| Longiflorum..... | 15 00 |
| Lily of the Valley..... | 3 00@4 00 |
| Narcissus, Paper White..... | 3 00 |
| Trumpet Major..... | 3 00@4 00 |
| Sweet Peas..... | 75@1 00 |
| Violets..... | 75@1 50 |
| Adiantum..... | 50 |
| Asparagus..... per string, 50 | |
| Plumosus, per bunch, 35 | |
| Sprengeri, 35 | |
| Ferns, Fancy..... per 1000 | 2 00 |

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Mention the American Florist when writing

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

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Supplies and Everything in Season always on hand

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H. G. BERNING,

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Perpetuated and Natural Sheet

MOSSSES

Southern Wild Smilax:

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Seattle,
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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

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TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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Will fill your orders for designs and cut flowers in
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Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones

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Orders will be well cared for anywhere in MINNESOTA AND THE DAKOTAS.

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Telegraph Orders
A Specialty. 218 W. 4th St.

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Order your flowers for delivery
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Successor to Sievers and Boland,
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60 KEARNEY STREET.

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Two Stores: Liberty Av. & 5th St., 5424 Center Av.
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Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

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D. C.

Gude's

Washington, D. C.

Geo. C. Shaffer,

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Write, Telegraph or Telephone.

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Palmer's Flowers
of Quality
W. J. Palmer & Son
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Flowers or Design Work.

Delivered in Albany and Vicinity on
Telegraphic Order.

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Anderson, S. C.

THE ANDERSON FLORAL CO.

533 MARSHALL AVE.

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

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Geo. M. Kellogg Flower and Plant Co.,
906 GRAND AVE.

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

Terre Haute, Ind.

John G. Heint & Son,

129 South Seventh St.

Telephone 247.

We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

Pittsburg, Pa.

A. W. SMITH CO.

KEENAN BLDG.

Largest Floral Establishment in America
Established 1874. Incorporated 1909.

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J.B. KELLER SONS,

FLORISTS.

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IN HEART OF NEW YORK CITY

Phone 2270 38th St. 1294 Broadway
Our Motto—THE GOLDEN RULE

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—THE—

Wm. Blackman Floral Co.

402 MAIN STREET

Prompt attention given to all mail, telephone and telegraph orders.

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Successor to Chas. W. Reimers.

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Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

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Mail, Telegraph or Telephone Orders Filled
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JULIUS BAER,

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Long Distance Phone.

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CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

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Wholesale and Retail
FLORIST.

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Battle Creek, Mich.

H. A. FISHER CO.

Wholesale and Retail Florists.
We Handle Everything in Season.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in Wisconsin.

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled
promptly with the choicest stock.

Washington,
D. C.

14th and N Streets.

Blackstone

Also

1601 Eutaw Place,

Baltimore, Md.

Kansas City, Mo.

WILLIAM L. ROCK,
Flower Co.,

Will carefully execute orders for
Kansas City and any town in

Missouri, Kansas or Oklahoma.

New York.

The Flower Shop

136 W. 42nd St. Phone 259 Bryant.

Near Knickerbocker Hotel.

Finest quality of Roses, Orchids, Gardenias, etc.
Particular attention paid to Steamer and Hotel
orders.

Boston, Mass.

Send flower orders for delivery in

Boston and all
New England Points

To THOS. F. GALVIN, Inc.,
124 TREMONT ST.

THE J. M. GASSER COMPANY,

CLEVELAND, O.

We Cover All Points in Ohio.

St. Louis, Mo.

Write, Wire or Phone Your Orders to

YOUNGS

1406 Olive Street,

Regular discount allowed on all orders, either
Plants or Cut Flowers.

Phones Bell, Main 2306, Kinloch, Central 4981

Kansas City, Mo.

Samuel Murray

..... FLORIST

1017 Broadway Coates House

Conservatory

Both Phones 2670 Main.

Write, Telephone
or Telegraph.

All orders given prompt
attention.

New York.

We Guarantee Satisfaction.

A. J. Bunyard

413 Madison Ave. cor. 48th St..

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“WILSON”

3 and 5 Greene Ave. and 339 to 347 Greene Ave.

Greenhouses: Short Hills, N. J.

— Deliveries in —

NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

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Denver, Colo.

The Park
....Floral Co.

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Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or
cable. Cable address “Daniels, Denver”

Toronto, Can.

Canada's best known and most reliable florist

Only
the
Best **Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

- Send Advs. Early for Best Service.

The Ideal Red Carnation

O. P. BASSETT

It has been the *Leading Red Carnation* in this market, bringing the highest price of any and selling the best. It has paid us more money per square foot of bench than any other variety. The flowers are 3 1-2 inches in diameter, a deep brilliant red, and borne on long stiff stems. Winner of First Prize everywhere. Rooted cuttings, **\$50.00 per 1000; \$6.00 per 100.**

Buy Direct From the Originators.

Bassett & Washburn,

Office and Store, 76 Wabash Ave., Chicago. Greenhouses, Hinsdale, Ill.

Lenox, Mass.

One of the most interesting and instructive meetings held by the Horticultural Society for some time was presided over by President G. Foulsham, February 5, and was largely attended. W. Maynard was elected an active member of the society. An exhibit which called forth special praise was a magnificent vase of 24 flowers of a new carnation named Wodenethe, exhibited by Frank E. Witney, Fishkill-on-Hudson, N. Y., and it was unanimously awarded a first-class certificate. This variety is pure white, the flowers being borne on long, stiff stems and measuring 3 1/2-4 inches across. It has been exhibited before the New York Florists' Club and at the annual carnation convention this year, where it was awarded a certificate of merit, having scored 91 points.

E. Jenkins gave an interesting lecture upon the growth and pruning of trees under the title of "Tree Surgery." He showed in a practical manner how trees are increased in value and live longer under judicious pruning. A. H. Wingett took up the discussion in a very interesting way; he showed how the market value of timber could be increased by thinning, etc. Most of the members asked questions upon the subject, which Mr. Jenkins answered in a very able manner, and was accorded a hearty vote of thanks for his instructive lecture. No date has been decided on for the society's annual dinner as yet. The committee in charge is composed of E. Jenkins, A. H. Wingett, A. J. Lovelless, A. J. Jenkins and A. McConachie. The annual ball, which is always looked forward to with much interest, was held January 24 and was a decided success, both financially and otherwise.

G. H. I.

Dreer's Double Petunias



OUR DOUBLE PETUNIAS, for more than half a century have been the acknowledged standard. The strain this season is equal in high quality to its predecessors, and is well known to the trade.

We offer 15 distinct varieties, in 2 1/4-inch pot plants, at 60c per dozen; \$4.00 per 100; the set of 15 varieties for 75c.

Seed of our **SUPERB STRAIN OF FRINGED PETUNIAS. Double**, 75c per 500 seeds; \$1.50 per 1000 seeds. **Single**, 50c per trade pkt.; \$1.00 per 1-16 oz.; \$1.50 per 1/8 oz.

The above prices are intended for the trade only.

Our **Quarterly Wholesale Price List**, issued January 1st, offers a full line of Seasonable Plants, Seeds and Bulbs.

HENRY A. DREER,

Philadelphia, Pa.

The Seed Trade.

American Seed Trade Association.

J. C. Robinson, Waterloo, Neb., Pres.; M. H. Durvea, New York, First Vice Pres.; F. W. Bolgiano, Washington, D.C., Second Vice Pres.; C. E. Kendel, Cleveland O., Sec'y and Treas.; Leonard H. Vaughan, Chicago, Asst. Sec'y. Twenty-eighth annual convention, at Atlantic City, N. J. June 21, 19 0.

THE Haarlem Jubilee bulb show opens March 23.

JOHN LEWIS CHILDS passed through Chicago February 16, on his usual winter vacation trip to California.

LARIMORE, N. D.—S. F. Mercer and J. H. Magor have opened a seed store here, the firm name being the M. & M. Seed Co.

A KANSAS seedsman suggests a new ditty, bearing the saddening title, "When the Onion Sets are Sprouting on the Shelves."

MUSCATINE, IA.—J. E. Hoopes & Co. say that good help is very scarce and difficult to obtain in their section. Wages have again advanced.

THE Northern Wisconsin Seed Co., of Sturgeon Bay has been incorporated with capital stock of \$25,000. P. R. Cunningham, N. M. Birdsall, Jr., and B. J. Jellinek are incorporators.

FOR onion sets advance contracts between Chicago jobbers and outside dealers, closing of such deals moves slowly; buyers have difficulty in awakening an appetite while the 1909 stocks are still on the racks.

TACOMA, WASH., February 10.—Five travelers for eastern seed houses have been through this section of the northwest to date, also five representatives of Dutch houses, mostly in December, and two travelers representing local jobbing houses in bulbs, and two representatives of Japanese lily growers.

CHICAGO.—Contract price on the board of trade February 16, for grass seed were noted as follows: Timothy, \$4.05. White clover, from 20 cents to 25 cents.—Visitors: A. Colyn, Voorhout, Holland; J. C. Hillebrand, Hillegom, Holland; W. Bush Nelson, Lexington, Ky.; Frank H. Henry, of Henry & Lee, New York; John Lewis Childs, Floral Park, N. Y.

THE state entomologists, chemists, and some manufacturing concerns, all of whom are interested in insecticides and fungicides, are pushing the prison penalty flea powder bill, H. R. 3658,

in congress, and are advising that they propose having a hearing before the Interstate and Foreign Commerce committee of the house on March 8. This is the bill which originally contained drastic prison penalty clauses prepared by Solicitor McCabe, of the Department of Agriculture, and who has been so strongly criticized by Gifford Pinchot, president of the Conservation League. While this bill carries punishment, penalties good and strong for errors made by insecticide manufacturers, we understand it does not carry any penalty for chemists or entomologists who make errors in their work in handling and carrying out their part of the law. It is surprising that one class of men whose work and pay is contingent on the operations of another class of men should be quite willing and even anxious to put the latter class under control and management of drastic prison penalty federal legislation, and hold themselves (although dependent on the workings of this industry for their own livelihood) scot free from any legal control.

tucky blue grass contains Canada, if rye grass is found in orchard grass, if yellow trefoil is found in Alsike clover and dodder in alfalfa, providing such seeds exceed five per cent by actual count, same constitutes a violation of the law.

The commissioner of agriculture is authorized to take samples of seed from dealers and publish the results of the said examinations from time to time with the names and addresses of dealers. As we read the law the seeds do not need to be marked with the names of the foreign injurious seeds present unless the quantity exceeds five per cent by actual count. As this is an amendment to the agricultural law, this amendment must be read in connection with the entire law itself to be clear and understandable.

The Paris Floods.

It may interest the numerous friends of Vilmorin-Andrieux & Co., to know that the great disaster which has overtaken Paris does not affect this firm to a great extent. Their warehouses



THE FLOODS IN PARIS.

To Amend New York Seed Law.

In the New York State assembly has been introduced a bill No. 119, entitled "An Act to Amend the Agricultural Law in Relation to Inspection and Sale of Seeds." The same has been referred to the committee on agriculture. One of the sections of the law provides that if red clover seed contains yellow trefoil, if Ken-

in the Rue de Reuilly are beyond the reach of the floods. The buildings containing the offices on the Quai de la Mégisserie, near the Seine, had their cellars flooded by five feet of water. But here the damage is so far confined only to the engines and boilers supplying the light and heat. Stoves, lamps, candles, etc., are installed in the various offices and business is not interfered with.

The greatest drawback is the impossibility to ship goods from Paris. Several of the great railroads are under or surrounded by water, a condition which greatly delays traffic. But under the circumstances it is hoped the American trade will be patient regarding the balance of the orders.

Up to the present time (February 1) the leading growing districts in southern and western France have not suffered. But it may not be the same around Paris, where many articles are grown. The extent of the damage, however, cannot be ascertained before end of March or early April.

VISITOR.

Haarlem Jubilee Flower Show Dates.

Permanent show in the open—March 23 to May 29.
First special show—March 23-31.
Second special show—April 15-24.
Third special show—May 4-12.
Fourth special show—May 20-22.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

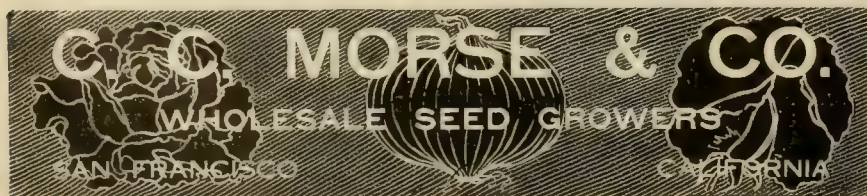
SAN JOSE, CALIF.

Peas AND Beans

Alfred J. Brown Seed Co.,

Growers for the Wholesale Trade.

GRAND RAPIDS MICH.



ANOTHER SEED BILL.

H. R. 20373. Introduced by Mr. Mann (by request), February 8, and referred to Committee on Interstate and Foreign Commerce.

[This is also known as the **Green Bill** (in the rough) and received the approval of three committees of seedsmen who met in Chicago, February 9.—ED.]

A BILL to prohibit the importation into the United States of adulterated seed and seed unfit for planting.

PAGE 1.

1 Be it enacted by the Senate and House of Representa-
2 tives of the United States of America in Congress assembled,
3 That the importation into the United States of seeds of al-
4 falfa, barley, Canadian blue grass, Kentucky blue grass,
5 brome grass (awnless), buckwheat, alsike clover, crimson
6 clover, red clover, white clover, field corn, Kafir corn,
7 meadow fescue, flax, millet, oats, orchard grass, rape, red
8 top, rye, sorghum, timothy, and wheat which are adulterated
9 or unfit for seeding purposes within the meaning of this Act
10 is hereby prohibited, and the Secretary of Agriculture and
11 the Secretary of the Treasury shall jointly or severally make
12 such rules and regulations as will provide for the exclusion
13 of such seeds from the United States; *Provided*, That such
14 seeds may be delivered to the owner thereof under bond, to

PAGE 2.

1 be reclaimed subject to such regulations as the Secretary of
2 the Treasury may provide, and when reclaimed to the stand-

3 ard of purity specified in sections two and three of this Act
4 they may be released to the owner thereof, but the screen-
5 ings removed from such seeds must be disposed of in a man-
6 ner to be prescribed by the Secretary of Agriculture.

7 SEC. 2. Seed shall be considered adulterated within
8 the meaning of this Act: First, when seed of red clover con-
9 tains more than three per centum of seed of yellow trefoil
10 or any other seed of similar appearance to and of lower
11 market value than seed of red clover; second, when seed of
12 alfalfa contains more than three per centum of seed of yellow
13 trefoil, burr clover, or sweet clover, singly or combined;
14 third, when any kind or variety of the seeds named in sec-
15 tion one of this Act contains over five per centum of seed of
16 another kind or variety of lower market value and of similar
17 appearance.

18 SEC. 3. Seed shall be considered unfit for seeding pur-
19 poses within the meaning of this Act: First, when any kind
20 or variety of clover seed contains more than one seed of
21 dodder to three thousand seeds of clover; second, when any
22 kind or variety of the seeds named in section one of this Act
23 contains more than three per centum by weight of seeds of
24 noxious weeds.

S. D. WOODRUFF & SONS, SEED GROWERS

Dealers in Garden, Field and Flower Seeds.
Specialties: Beet, Carrot, Corn, Peas,
Beans, Onion Sets and Seed Potatoes.
Catalogue free. Contracts taken.

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SEEDS which SUCCEED

Bloomdale Farm. Bristol, Pa.

QUALITY SEED BULBS PLANTS
SEND FOR CATALOGUE.
ARTHUR T. BODDINGTON
342 West 14th St., New York.

Fine Aster Seed

Catalogue Now Ready.

VICK & HILL CO.,

Box 613, Rochester, N. Y.

ESTABLISHED IN 1824.

Bridgeman's Seed Warehouse

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bet Broadway and 4th Ave.,

Telephone 4235 Gramercy.

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MANN'S

Lily of the Valley

are the finest in existence and their flowers
bring the best prices on the London market
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Plantsmen, Nurserymen, Seedsmen
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We can supply everything the Florist Uses

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SEEDS
OF ALL KINDS APPLY TO
W. W. JOHNSON & SON, Limited,
Boston, England.



STOCK SEED

Fisk's Branching in all
colors. Trade packet.
40c. oz. \$4.00.
Pure White, tr. packet.
50c. oz. \$5.00.
Also Beauty of Nice
strains.
H. E. FISKE SEED CO.,
Boston, Mass.

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,
Bean, Cucumber, Tomato, Pea, Muskmelon,
Squash, Watermelon, Radish, Sweet Corn.
Correspondence solicited.

CHOICE GERMAN

FLOWER SEEDS

Catalogue free on application.
Stamp letters 5 cents; foreign post cards 2 cents.

FREDERICK ROEMER,
Seed Grower, Quedlinburg, Germany.

ASPARAGUS

Sprengeri, per 1000 seeds 75c

PETUNIA

Large flowering, double fringed, trade pkt .. 1 00
Large flowering, single fringed, trade pkt .. 50
Large flowering, single fringed, California
Giants..... 50

SALVIA Zurich, oz..... 5 00
Triumph, oz..... 5 00
MOONFLOWER, White Seed 35

FRESH TOBACCO STEMS.

Bale of 300 lbs., \$1.75; ton, \$9.00.

W. C. BECKERT, Seedsman,

103 Federal St., N.S., PITTSBURG, PA.

Mention the American Florist when writing

JOHN BODGER & SONS CO.

Gardena, Calif.

Wholesale Growers of Sweet Peas,
Tomatoes, Lima Beans, Lettuce, Asters,
Cosmos and other Flower Seeds.

Mention the American Florist when writing

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GILROY, CAL.

Wholesale Seed Grower

Specialties: Lettuce, Onion, Sweet Peas, Aster,
Cosmos, Mignonette, Verbena, in variety.
Correspondence solicited.

It is not only the number of inquiries, though that counts
but Orders from reliable buyers. Advertise in The Florist

Market Gardeners

Greenhouse Vegetable Growers and Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President;
Franklin DeKleine, Grand Rapids, Mich.,
Vice-President; S. W. Severance, 508 Illi-
nois Life Building, Louisville, Ky., Secre-
tary; M. L. Ruetenik, Cleveland, O., Treas.

MONTREAL, QUE.—Hains & Hopton are building a new chrysanthemum house, also a mushroom house.

R. L. CANNING, of Earls court, Ont., is dead against the use of manure containing sawdust and wood fiber, which, he says, is not worth having as a gift. Although it is often cheap in a lumber country, it is very apt to breed fungus.

Growers of Irondequoit, N. Y.

The township of Irondequoit on the north side of the city of Rochester, N. Y., the south line of which meets the north line of the city, is remarkable for its extensive truck and market gardening interests, conducted on the most intensive systems. The soil throughout the greater part of the township is of a very light, sandy nature, and, in spring and summer, in the process of crop alternations, winds will cause very disagreeable sand storms, but notwithstanding these conditions, enormous crops of fine garden vegetables are produced by high cultivation and fertilization. The large crops of first-class celery raised on this light soil are equally surprising. On the east and west sides of Portland avenue, and on both sides of the Titus road, towards the west, a large number of greenhouse establishments, many of them of large area are devoted to the growing of vegetables. Perhaps no other township of the same area in the United States can show an equal amount of capital devoted to this industry.

James H. West & Son, at the corner of Portland avenue and the Ridge road, have a large amount of glass devoted to vegetable growing, besides a considerable area on which they grow celery and other vegetables. The writer spent a few minutes the other day in hurriedly looking over the glass houses. There are six even-span houses each 30x180 feet and stand 20 feet apart, running north and south. They are of simple sashbar construction, the ridge 13 feet above the ground line, and the walls or sides three feet high. The roof is supported by four iron purlins and corresponding iron pillars. The sash bars are 16 inches apart, the panes being 16x24 inches. The material was supplied by the Lord & Burnham Co., and the houses were erected by the firm about five years since. The interiors are remarkably light and airy. The center bed is 10 feet wide, and the side beds eight feet wide, with two paths 15 inches. The system is heated by two large steam boilers.

Three rotatory crops are produced in the houses during the year. At the time of our visit (the first week in February) the first house for the season's cucumbers was being prepared for immediate planting, and the successional planting of cucumbers will be kept up until about April 1. They

SEEDS FOR THE MARKET GARDENER

are our specialty. Quality, our first consideration. We have a very large and complete stock of all kinds of seeds and everything in the line of fruit trees, berry bushes, etc.

Our new 112-page catalogue contains true description and no overdrawn illustrations. Our prices are right, quality considered. Market Gardeners are requested to write for our Market Garden Wholesale Catalogue, sent free on request.

GERMAN NURSERIES & SEED HOUSE BOX 245 Established 1886 BEATRICE, NEB.

Early Tomatoes

In Concrete
Plant Protec-
tors.

A tried and proven success. Keep out frost and draw heat. Equal for forcing to the famous bell jars used in France. Field trials show four times the yield, ripening a month ahead of season and value increased 100 times. No blight or insects. Useful for lettuce, rhubarb, melons, etc. Hold water for irrigation. Patent just issued on protection; and line wire opens or closes 100 instantly. Illustrated treatise tells how to make them quickly at 2c each, how to make mold at 25c. Also full information about this method. Each purchaser of book has privilege to make mold and protector. Mention this paper and send \$1.00 for book. Money back if not satisfied.

J. H. HALEY, Seed Grower, Munith, Mich.

Wanted

Contracts to grow all kinds of Vegetable Plants, transplanted or not. Also Geraniums, Coleus, Cannas, Salvia, Verbenas, Pansies, etc., for spring delivery. A1 stock only. Correspondence solicited.

Wholesale Florist,
Alonzo J. Bryan, Washington, New Jersey.

Pape & Bergmann,

Quedlinburg, Germany.

Elite Seeds of Flowers and Vegetables.

Specialties: Stock, Pansies, Cyclamen, etc.,
Cactus Dahlias Bulbs. General Catalogue Free

D. J. TAMMINGER,

ONION SET GROWER,

Sound Onion Sets for immediate or fall delivery.
Get my prices.

10818 Michigan Ave., CHICAGO.

are planted in six rows three feet apart lengthwise, a house requiring 360 plants. The variety used is Long Green, which has been improved by the firm. They always save their own seed by careful discrimination and selection. Chauncey West told the writer that in the spring of 1908 they produced and sold 12,000 dozen cucumbers. They are mostly shipped to the Rochester, Buffalo and Pittsburg markets.

At the end of July, or about August 1 the houses are planted to tomatoes, which are turned out of 4-inch pots. The varieties used are Early Anna, Bonnie Best and Early Freedom. In reply to the question as to whether they were troubled with the white fly (*Aleyrodes vaporariorum*) which has proved to be such a bane to tomato culture in many parts of the country, Mr. West said they had been troubled with it somewhat, but they kept it under control with hydro-cyanic acid gas. The tomatoes are mostly shipped to New York, Buffalo and Rochester markets.

When the tomatoes are removed in late fall the houses are filled with lettuce and radishes, which are ready for shipment in mid-winter. Early Keene is the variety of lettuce used, and is a loose-leaf form, remarkably crisp and juicy. One house at the time of our

Onion Sets

White Bottom
Yellow Bottom
Red Bottom

We are in position to quote advantageous prices for immediate or March first delivery. Write or wire for quotations.

Winterson's Seed Store,
45-47-49 Wabash Ave., CHICAGO.

VAN ZANTEN BROTHERS

Royal Netherland Bulb Nurseries
and Export Trade.

HILLEGOM, HOLLAND,

Wholesale growers of the leading sorts of Hyacinths, Tulips, Narcissus, Crocus, Spireas, Gladiolus, Peonies, etc., etc.

Write our traveler, MR. G. HYLKEMA, care of Messrs. Maltus & Ware, 14 Stone St., New York, for Catalogue and Special prices of all

HOLLAND BULBS AND PLANTS

MUSHROOMS

HOW TO GROW THEM

BY WM. FALCONER.

The Best American Book on the
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170 Pages. 29 Illustrations.

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AMERICAN FLORIST CO.
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VEGETABLE PLANTS.

Cabbage, Wakefield and Succession. \$1.00 per 1000; \$3.50 per 10,000.
Parsley, 25c per 100; \$1.25 per 1000.
Lettuce, Big Boston, Boston Market, Grand Rapids, \$1.00 per 1000.

—Cash with order.—

R. VINCENT, Jr. & SONS CO., White Marsh Md.

CAULIFLOWER SEED CABBAGE

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.

Logangstraede 20, COPENHAGEN, DENMARK



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

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H. WREDE, LUNEBURG, GERMANY PANSY SEED

176 First Prizes, the highest awards
Chicago, Paris, London, Dusseldorf
1000 seeds, finest mixed... 25c
1 oz. ...\$2.25

Price list on application. Cash with order.

CLEARING SALE

Perennial Rye Grass

(Lolium Perenne), crop 1909. The heaviest seed ever imported, weighing 26 lbs. per bushel. Samples on request: 1 lb. to 100 lbs., \$5.50, f.o.b. New Orleans.

THE AVENUE FLORAL CO.,
3442 St. Charles Ave., NEW ORLEANS, LA.

visit was just ready for cutting, and as they are planted six inches apart, a house contains from 17,000 to 18,000 plants. This house certainly looked the acme of cultural perfection. Chauncey West said that most of the lettuce was shipped to the home market. A much larger area is devoted to lettuce than radishes. Scarlet Globe is the variety of radish used, and the round, uniform, bright red roots showed every appearance of perfect culture. Perfect cleanliness and good order is plainly evident over the whole establishment, and shows clearly the energy and push of this firm.

JOHN DUNBAR.

Notes on Hotbeds.

So far this season has proved one of the most unfavorable for the starting of hotbeds in many years. Those who depend upon hotbeds for early plants should not overlook dates, as this winter weather may come to an abrupt end and then it will be hard to catch up with the work. We know of no better way than to haul plenty of manure as near to the spot as possible and pile into one big flat pile and compact by driving a heavy team of horses over the pile twice a week, say for half an hour each time. This will compact the manure to a point where it will not burn, yet allow the heating to commence and when we get ready to push our hotbed work the material is at hand and in the best possible shape. We always like to use pre-heated manure, as we get a more uniform and also more lasting heat.

Never plant a bed before the first rank heat is over—the rule is “wait for weeds to start then it is safe.” Plant bed cloth is as effective a cover over sash as boards and much easier to handle. We make it a rule to cover whenever the sash freeze over and as long as no glass is frosted it is always safe to have covers off, sun or no sun.

MARKETMAN.

Prices of Indoor Fruits and Vegetables.

New York, February 12.—Mushrooms, 35 cents to 45 cents per pound; cucumbers, \$1 to \$2.50 per dozen; lettuce, \$1 per dozen heads; tomatoes, 25 cents per pound; radishes, 3 cents per bunch; asparagus, green, \$6 per dozen bunches; white, \$8 per dozen bunches; rhubarb, 75 cents per dozen bunches; grapes, Gros Colman, 65 cents to 75 cents per pound; peaches, \$3.50 per dozen.

Chicago, February 16.—Mushrooms, 25 cents to 75 cents per pound; cucumbers, \$1 to \$1.25 per dozen; lettuce, 40 cents per box; tomatoes, 20 cents per pound; radishes, 50 cents per dozen; asparagus, 25 cents to 40 cents per bunch; grapes, Gros Colman, 75 cents per pound.

HEADQUARTERS FOR

EASTER PLANTS

PREPARE FOR EASTER

From Whom Will We Purchase Our Easter Supplies?

An Immense Stock of Choice Easter Plants Now Ready for Immediate Shipment.
Blooming Easter Week or Before if Desired.

“From whom shall we purchase our Easter supply this season?” That seems to be the cry all over the country. “We have tried so many already. I know what I am going to do,” some sensible man says. “I shall go back to Godfrey Aschmann. He is the best and most reliable man in the business. What he advertises he has and there is no bluff about it. I tell you his usual stock of Azaleas can’t be beat, and the Lilies he has this spring are the finest I have ever seen. No wonder. He imports them direct from Japan. He has a friend in Japan who looks after his interests and sends him the cream of Japan’s plants. He has enough to supply all, and I tell you no lie when I say that his other plants such as Hydrangeas, Cinerarias, Spireas, Ficus, Palms, Hyacinths, Tulips, Daffodils, Etc., are of such excellent quality that they will make a man’s mouth water, and they are so remarkably cheap that we often wonder how he can do it.”

AZALEA INDICA

We are headquarters for these plants for the past twenty-five years. We make a specialty of importing large quantities of this so well known favorite Easter novelty. Grown for us in Ghent, Belgium, by an Azalea specialist. Have now three houses full of the choicest. Only well known American varieties are imported. They are planted in the fall, as soon as they arrive from Belgium, into 6, 7 and 8 in. pots, placed in greenhouses and kept cool during winter. They are now in excellent condition, covered with buds, just right for Easter. Please bear in mind facts mostly unknown to some Azalea growers (that fully 30 to 40 per cent of the newly imported Azaleas in dormant state will lose their buds and foliage during the long transportation of the sea voyage and during winter up to Feb. 1 and have to be kept over for another year.

We only ship good stock and full of buds and flowers, and therefore you can’t expect Azaleas at this time to be as big and as cheap as if you would buy them in dormant state in the fall.

What is the name of the best double pink Azalea? Mme. Van der Cruyssen is the name. Originated by the well known Azalea specialist, Mr. Van der Cruyssen of Belgium. Millions are raised every year and shipped into every part of the globe from Belgium. We have a big stock on hand of this well known variety. Every plant is as round as an apple, covered with buds, just right for Easter. Have all sizes, 75c, \$1.00, \$1.25, \$1.50, \$1.75 to \$2.00 each.

In large sizes we have the following varieties, full of buds: Bernard Andreas Alba, pure white; Niobe, double white; Helena Thielmann, pure light pink, very fine; Souv. Mem. ric de Van Houtte, very large flowers, double pink; Empress des Indes, large flowering, double pink; Dr. Moore, double pink; Mme. Van der Cruyssen, best of all the pink; Apollo, red; De Schryveriana, double, large, variegated, Price, \$1.50, \$2.00, \$2.50 to \$3.00.

In smaller sizes we have the following varieties, full of buds: Mme. Van der Cruyssen pink; Deutsche Perle, pure double white; Vervaneana, double variegated, one of the old standard varieties; Apollo, red; Simon Mardner, double pink; De Schryveriana, large double variegated; Empress des Indes, double variegated; Niobe, double white, Price, 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50. Professor Wolters, a well known variegated bright variety, at \$1.00, \$1.25 to \$1.50.

When we are out of one color we send the next similar color; also if we are out of the size ordered, we send the next size, either above or below the price mentioned.

Moonvines (Ipomaea Multiflora), best white Moonvine, for which we have a world-wide reputation now ready 2 1/2 in. pots, \$5.00 per 100.

Begonia New Improved Erfordi, 5-in., \$2.00 per doz.; **Begonia Flambeau**, 5-in., \$2.00 per doz.

Spirea Gladstone, 5-in., owing to the dry summer in Holland last year, is very scarce this Easter, but we were fortunate enough to secure sufficient to fill our usual house, and the plants are now in fine condition, full of buds, just right for Easter, 6-7 in. pots, 75c to \$1.00 each. **Spirea Floribunda**, Japonica and Superba, 6-in. pots, 25c, 35c to 50c.

Primula Obconica, 5-in. pots, \$2.00 to \$2.50 per doz.

Double Daffodils, Von Sion, best yellow, 3 bulbs in a 5 1/2 in. pot, \$2.50 per doz. pots.

Hydrangea Otaksa, in bud, 6-7 in. pots, 35c, 50c, 75c to \$1.00 each.



THE BEST EVER.

Better than ever are the plants whose gleaming Blossoms and leaves shine bright in Aschmann's store.

Flowers the kind of which we are always dreaming. More nearly perfect than all grown before. Lilies with whiter sheen, Azaleas richly tinted, Ferns with their lacy fronds like bridal veils. The Araucaria branches fruit with dollars minted For florists' use after Easter sales.

EASTER LILIES

Lilium Multiflorum, the genuine Japanese Easter Lily, directly imported by us. We have a friend in Japan who looks after our interests there. He picks out for us only the good, healthy ones, and marks them while they are growing, the 10-in. bulbs and therefore he ships us the cream of the plants of Japan. We have Lilies this year to burn: can supply, if nothing happens, every customer and others who want Lilies. 9 to 10 in. bulbs of Lilies were difficult to get from Japan last fall, but we were one of the fortunate ones to receive all the 9-10 in. Lilies (5,000) ordered last spring, 1909, from our grower in Japan. If you see them growing in our greenhouses, you must all admit they are “cracker-jacks”; we sell them cheap, too. Where other florists get 15c per bud we only charge you 10c per bud for plants in 6 in. pots, having 5, 8, 10 and more buds to the plant. Plants under 5 buds, 12c per bud, 6 in. pots.

Hyacinths, 4 best colors, King of the Blues, Grand Maitre (light blue) La Grandesse (best white), Gertrude (best pink) 4-in. pots, 12.00 per 100. Now outside in cold frames. Two to three weeks will force them into bloom.

Asparagus Plumosus Nanus, 3-in., \$5.00 per 100; 2 1/2-in., 3c; 4-in., 10c. **Asparagus Sprengeri**, 3-in., large plants 7c; 4-in., 10c.

Cineraria Hyb. Grandiflora, H.F. Michell's new improved strain. Our plants of this strain are twice the size of those of other years, with perfect large, green foliage. Some of the plants are almost as large as a bushel basket, 6-in. pots, 25c, 35c, 50c, 75c to \$1.00 each.

Arcua Lutescens, 5-in. pots, three plants in a pot, 35c.

Ficus Elastica (Rubber), 5 1/2 to 6 in. pots, 25c to 30c.

Whitmani Ferns, 7-in., 75c to \$1.00.

Neph. Amerpohli, 5 1/2 to 6 in. pots, 30c, 40c and 50c; 6 in., 60c to 75c.

Kentia Forsteriana, 6-7 in. pots, 35-40-50 in. high, perfect leaves, \$1.25 \$1.50 \$2.50 to \$3.00; 4-in., 20c. **Kentia Belmoreana**, 6-in., large stock, \$1.25 to \$1.50; 4-in., 20c to 25c; 3-in., 10c.

Cocos Weddelliana, 3 in., 15c.

Ferns for Dishes, \$3.00 per 100.

Have an Immense Stock of Easter Plants.

Please state if in or out of pots.
All goods must travel at purchaser's risk only. Cash with order, please.

GODFREY ASCHMANN, 1012
w. Ontario St., Philadelphia, Pa.
Importer, Wholesale Grower and Shipper of Pot Plants.

The Nursery Trade

American Association of Nurserymen.

F. H. Stannard, Ottawa, Kans., President;
W. P. Stark, Louisiana, Mo., Vice-President;
John Hall, Rochester, N. Y., Sec'y.

Thirty-fifth annual convention to be held
at Denver, Colo., June 8-10, 1910.

THE death of Edward O. Schwagerl of Seattle, Wash., one of the most experienced and best known landscape gardeners in the northwest, is chronicled in our obituary column.

THE La Porte Orchard Co., of Houston, Tex., has received its charter of incorporation. The capital stock is \$10,000 and the incorporators are Daniel and J. H. Powell and W. A. Pitrat, of Kansas City, Mo.

Aesculus Parviflora.

The horse chestnuts are a beautiful class of tree and this dwarf species has many admirers, especially in the middle west, where the common horse chestnut will not thrive on account of the heat in summer. *A. parviflora*, although it may not relish this treatment exactly, can stand it better than some other kinds and do fairly well under the circumstances. It is a showy, good dwarf tree well worth planting in groups for effect on lawns or shrubberies.

American Peony Society.

Matters relating to the premium list for the next exhibition are under consideration. The Massachusetts Horticultural Society will offer additional premiums, including some medals and prospects are bright for a splendid exhibition. Both amateurs and peony specialists around Boston are enthusiastic about it and will do their best to keep up the reputation of their city. The nomenclature committee, under Mr. Batchelor, did a large amount of work last year, the results of which are now being prepared for publication.

A. H. FEWKES, Sec'y.

California Eucalyptus Seeds.

A committee was appointed by the Los Angeles Florists' and Nurserymen's Society to report upon the alleged misstatements respecting the quality of California eucalyptus seed and eucalyptus planting along the Owens River viaduct, at its meeting at 251 South Main street, September 30. One of the statements was that the native eucalyptus seeds were inferior to those imported from Australia in germinating power and purity, the opposite having been proven by years of experience. The public press and misinformed persons had recommended species for timber culture that had been tried and found quite unsuitable to the climate and soil conditions of California. These and other statements are so misleading and likely to lead to so much disappointment and loss that a manifesto from such a committee was deemed desirable and the society also asks the co-operation of all public bodies in the dissemination of authentic and reliable information on the subject.

The chief offender appears to have been one R. S. Webb, a native of Australia who first appeared at Los

Angeles about two years ago and soon came to the conclusion that the Californian growers were not using the best kinds and that the Jarrah (*Eucalyptus marginata*) was the best of all. It was in vain to tell him that this had been tried for more than 20 years and found wanting. He was shown a publication in which his own government experts stated that the Jarrah delighted in an ironstone formation and will not grow on a granite formation, while the soil composition

Brazilian Railway Nurseries and Forests

In order to reduce the cost of the ties and to insure a proper supply, the principal Brazilian railways are being compelled to give their attention to the planting of forests for supplying ties, in a manner even more advanced than that followed by a number of the great railways of the United States which are nearly face to face with similar conditions. An outline of the situation and of the means taken to avoid further trouble and to reduce expenses on this score appears in the



AESCULUS PARVIFLORA.

in California was largely of a granite base with no trace of ironstone. Again, contrary to his statements, the local grown seeds are twice as potent as like seed from Australia. Yet it seems that this gentleman has been sent to Australia to make a special study of the eucalyptus in regard to the best varieties to be grown, not in Australia but on land belonging to the Los Angeles aqueduct, the Angeles forest reserve and the Standard Eucalyptus Co. He is supposed to bring back many hundred pounds of seed. The committee in a lengthy report disprove practically all this man's statements, showing that many of the kinds he advises for "lands of snow and ice" do not attain to the dignity of trees at all and are "mere shrubs of less value than our native mountain brush." It also says that he has no commission from Chief Forester Pinchot or the forest service beyond the fact that Chief Engineer Mulholland said "he might bring back a few pounds of seed for experimental purposes." The committee's report winds up as follows: "Unreliable statements concerning eucalyptus, their culture and financial possibilities are quite current at the present time throughout California and the public should be cautioned against giving credence to improbable stories concerning one of our growing industries which, if properly managed, will prove a great boon to California." It is signed by the members of the committee, Ernest Brauntun, Chas. Winsel, O. M. Morris, Jacob Dieterich and Theodore Payne.

annual report of the Paulista railway company, which operates the largest railway system in southern Brazil, of which the following is a synopsis:

"The cost of wood fuel and sleepers on the Paulista line, with a track mileage of 691 miles, is about \$390,000 per annum, the fuel being used on the short branch lines. As this is one of the largest items of expense, it was

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Dormant, field grown, own roots
Sweetheart, Tausendschon, T. Blumschen, Barbier, 20c each.

La Fiamma, Trier, Dorothy Perkins, Lady Gay, Debutante, Hiawatha, 12c each.

Clematis Paniculata

Field Grown

1-year 6 cents. 2-year 10 cents

Dutch Hyacinths.

Named varieties, single and double, 45 kinds, First size bulbs, \$6.00 per 100; extralarge exhibition size, \$10.00 per 100.

Chinese Sacred Lilies

\$3.00 per 100; \$25.00 per 1000.

Hydrangea Paniculata Grandiflora
18 to 24 ins.....6c. 2 to 3 feet.....9c

Viburnum Plicatum.

2 to 3 feet.....12c. 3 to 3½ feet...15c
Write for our special prices on Hardy Shrubs.

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Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture.

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Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

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Eugene Pitou, Jr. CIVIL ENGINEER and Landscape Architect.Phone Barclay 6084—229 Broadway, New York
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determined to experiment with afforestation. A nursery of 250 acres was established at Jundiahy in 1904 and planted with 40,000 trees, of which 30,000 are eucalyptus and the rest various other kinds, both indigenous and imported. Two other tracts, of 65 acres each, were also planted with eucalyptus, the total number being 20,000. The company now has 60,000 trees of various kinds, and the expenditures in five years, including the purchase price of the ground, have been \$45,095. The eucalyptus was found to be best adapted for the material, not only because of its weight, compactness, and holding power, but also by reason of its extraordinary vigor and rapid growth. Some trees in the nursery, planted five years ago in poor soil, are now 58 feet tall, with diameters of 15½ inches each at the base.

"The company has determined to carry out its scheme on a large scale and has acquired 3,750 more acres of fine land near the city of Rio Claro. On this and other available lands it is planned to plant 1,000,000 eucalyptus trees. At present improvements on the land last purchased will produce sufficient revenue to pay back the capital expended in buying it, it is estimated that the total cost of this experiment in forestry, which will be completed in 15 years, will be \$150,000, or 15 cents per tree, while the returns on each tree when cut up will be 20 times its original cost. It is also estimated that the 1,000,000 trees will prove an ample and continuous resource for fuel and sleepers for all the company's lines, thereby saving the company approximately \$300,000 a year. The growing of trees for railroad work in Brazil is to be taken up generally by railways serving the dry zones and those portions of the country where the cost of getting out native forest trees is excessive."

European Horticulture.**TREES AND SHRUBS.**

Clematis Armandii is an April blooming clematis, hardy with deep green trifoliate leaves which show off the dense clusters of pure white blooms. These are nearly two inches in diameter and so hardy that a sharp frost does not spoil their beauty.

Philadelphus Mer de Glace (Glacier) is one of the most recent novelties of Victor Lemoine. The leaves are larger than P. Lemoinei and are the largest of philadelphus flowers. A symmetrical bush, very free flowering; flowers silvery white, double, the exterior petals very broad, the interior ones narrower.

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**Choice Evergreens and Conifers,
Shade and Ornamental Trees,
Herbaceous Plants.**

Large collection of **DECORATIVE PLANTS**, such as**Palms, Ferns, Bay Trees, Etc.**

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Beautiful! Novel! Valuable!

The Newest Lilacs

Double and Single
Extraordinary Offering

The improvement in the Lilac, especially in the double sorts, is marvelous, and all lovers of this flower will be delighted with these novelties. In size, form and color they far surpass the old favorites and we confidently recommend them to our patrons. Nothing that has been introduced recently is likely to prove so popular as the new Lilacs.

A beautiful illustrated booklet on Lilacs will be mailed on request, also our Illustrated General Catalogue, which contains accurate and trustworthy descriptions of the best

**FRUIT AND ORNAMENTAL TREES,
SHRUBS, ROSES AND HARDY PLANTS**

Ellwanger & Barry, Mount Hope Nurseries, Rochester, N. Y.

"FLOWER OF FAIRFIELD"

The "Everblooming Crimson Rambler." The Best Climbing Rose in the market, flowering during the whole summer in large clusters of finest crimson color.

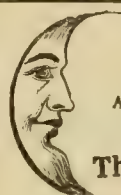
Price for first rate plants with 3 to 6 shoots, open ground grown, \$11.00 per 100 \$103.00 per 1000. Extra strong plants, from 5 and more branches, at \$15.00 per 100. Package free, cash with order only.

Schultheis Bros, The "Old" Rose Gardens, at STEINFURTH, near Bad-Nauheim, GERMANY.**STOCK FOR FLORISTS****ROSES for Forcing**—Hybrid Perpetuals and Ramblers, all the best ones: fine, strong stuff.

Clematis, Ampelopsis, Tree Hydrangeas and Lilacs, Shrubs, Vines and Perennials. Write for prices.

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LARGE TREES
OAKS and MAPLES
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ANDORRA NURSERIES,
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**Arbor Vitæ**

(Thuja Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

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MORRISVILLE, PA.**Peonies....****Lucretia Dewberry**

In large quantities. If in need write

GILBERT H. WILD, Sarcxie, Mo.**Phoenix Nursery Company**

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New BerriesSend for our up-to-date tested
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Berrydale Experiment Gardens, Holland, Mich

CARNATION BAY STATE

~~~~~\$3.00 Per Hundred.~~~~~

**H**AVING bought a large stock of this new Variegated Carnation last year, we can offer first-class rooted cuttings of this variety at \$3.00 per 100. Also rooted cuttings of **Beacon, Enchantress, Rose Pink Enchantress, Victory, White Enchantress, White Perfection, Winona, Winsor**, at \$3.00 per 100. Unrooted cuttings, \$2.00 per 100. Reduced prices made on large orders. Send orders as early as possible.

**FRESH CUT FLOWERS** shipped to all parts of New England and Canada. **High Grade Carnation Blooms** our specialty; shipped direct from the grower to the retailer at wholesale price.

**SHEPARD'S GARDEN CARNATION CO. 292 Fairmont Street, LOWELL, MASS.**

## Coleus

Rooted Cuttings  
or 2-in. stock.

Carnations, Chrysanthemums, Roses, Etc.

If interested, write for our list of any of  
the above stock.

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## RUBBER PLANTS

5 and 6-inch pots, 18 to 24 inches high.  
\$3.00 per dozen.

**Strong Boston Ferns**

4-inch pots, \$1.50 per dozen.

**W. W. COLES, Kokomo, Ind.**

## 300 for \$5.00

Ivy Geraniums, Cinerarias, Asp. Sprengerii,  
Primula obconica, Alyssum, out of 2½-in. pots,  
\$2.00 per 100, 300 for \$5.00.

Pansies, Forget-me-nots and Daisies (Bellis).  
fine plants, \$2.00 per 1000.

**J. C. SCHMIDT, Bristol, Pa.**

## ROOTED ROSE CUTTINGS.

|                     | Per 100 | Per 1000 |
|---------------------|---------|----------|
| Am. Beauty.....     | \$4.00  | \$35.00  |
| Pink Killarney..... | 2.50    | 20.00    |
| Richmond.....       | 1.50    | 12.00    |
| Brides.....         | 1.50    | 22.00    |

Satisfaction Guaranteed.

**Geo. Reinberg, 51 Wabash Ave., Chicago.**

## WANTED

Ten Thousand strong rooted cuttings of  
**ENGLISH IVY.**

Send samples with prices.

**Hinode Florist Co., Whitestone, N.Y.**

Some New Root Crops for the South.

The Department of Agriculture at Washington is continually discovering and testing new crops. When these give promise of becoming valuable additions to the crop resources of this country, they are recommended for trial. The department has just issued a bulletin dealing with the "Yantias, Tares, and Dasheens as Promising Root Crops for the South." These are tropical plants which can easily be grown in many parts of the south. They ought to prove valuable in many sections because they can be grown on lands too wet for other root crops or any cereal crop except rice. These plants comprise salad plants, tubers which are excellent for table use and also for stock feed, roots which are valuable sources of starch and from which alcohol can be made.

## Frey's New Single and Anemone Chrysanthemums

The sensation at the National Flower Show, 1918, was of the \$50.00 Silver Cup, two first and one second prize; Certificate of Merit of the Chrysanthemum Society of America and Minnesota State Florists' Association, two First Prizes at Milwaukee, 1909.

These are all exceptionally fine for commercial purposes either for cut or pot, it being my aim to send out only such varieties as have stood a severe test in this market. The constant gain in favor of these two types has been so rapid and their value for all sorts of decorative purposes so great that every grower will want to invest in them. It has been stated by authorities that these varieties are a great improvement over those now in commerce.

### 1910 Novelties.

**Mrs. Theodore Wirth** A most beautiful soft pink Anemone with light yellow center, preceding Mrs. John Pesther a moneymaker.

**Alpine Glow** Anemone, large white flower with a glow of pink. Very beautiful.

**Christina Scull** Single, medium sized flower like a golden Marguerite. Very profuse.

**Grace Clementina Burki** Single, pure white very substantial, follows Lady Lu.

**Mrs. John Pesther** Single of medium size. Enchantress pink, long slender, wiry stems; comes for Thanksgiving. Extra fine.

25c each; \$2.00 per 10; \$15.00 per 100, rooted cuttings or 2½-in. pots.

### 1909 Introductions.

**Anemones.**  
**Lida Thomas**, Delicate cream, late.  
**Gertrude Wilson**, Deep yellow; very fine.  
**Mrs. Edw. F. Swift**, Delicate pale lavender, one of the first to bloom.

**Beatrice Asmus**, Pure white, one of the best.  
**Mrs. Augusta Knab**, Creamy white, with yellow center.

**Miss Ida Kroeschell**, Light yellow with quilled petals.

10c each; 80c per 10; \$6.00 per 100, rooted cuttings or 2½-in. pots.

Delivery will commence second week in March. All orders will be filled strictly in rotation.

**ALOIS FREY,**

**CROWN POINT, IND.**

## Carnations

**ROOTED CUTTINGS**

|                                                                                                 | Per 100 | Per 1000 |
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| Mrs. C. W. Ward .....                                                                           | \$12 00 | \$100 00 |
| Alma Ward .....                                                                                 | 15 00   | 125 00   |
| Mrs. J. C. Vaughan, Bay State, Georgia and O. P. Bassett .....                                  | 6 00    | 50 00    |
| White Enchantress, Beacon, Robert Craig, Afterglow, Rose Pink Enchantress and Harlowarden ..... | 3 50    | 30 00    |

**New Crop Early Flowering Single Chrysanthemum Seed**  
and **Gold Medal Pentstemons**

at 25c and \$1.00 per package.

**CHARLES H. TOTTY, Madison, N. J.**



## Cacti and Mexican Resurrection Plants

We are in the heart of the cactus country, and furnish the healthiest open-grown stock, over 100 varieties, to the foreign and domestic trade. 28-page illustrated catalogue of Cacti free.

**Mexican Resurrection Plants.** We are strictly headquarters for this plant and ship all over the world. Good-sized ornamental plants, guaranteed to "resurrect," 1000, 10.00; 55,000 at \$3.50; 10,000 at \$8.00.

**THE FRANCIS E. LESTER COMPANY,**  
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## Well Rooted Carnation Cuttings

|                                | Per 100 | Per 1000 |
|--------------------------------|---------|----------|
| Enchantress .....              | \$2 00  | \$18 00  |
| Sarah Hill, white .....        | 4 00    | 35 00    |
| Lawson Enchantress, pink ..... | 2 50    | 20 00    |
| Lawson, pink .....             | 2 00    | 15 00    |
| W. H. Taft, red .....          | 4 50    | 40 00    |
| Beacon, red .....              | 3 00    | 25 00    |
| Victory, red .....             | 2 50    | 20 00    |
| Lawson, variegated .....       | 2 50    | 20 00    |

Cash with order or C. O. D.

**SCHEIDEN & SCHOOS,**

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**Evanston, Ill.**



# LILIES

We offer you lilies for immediate shipment with buds in shape so they will be open for Easter at 12½c per bud.

**Azaleas**, at 75c, \$1.00, \$1.25 and \$1.50 each.

**Hyacinths**, 4-in. pots at \$10.00; 5-in. \$15.00 per 100.

**Paper Whites**, Narcissus, Von Sion and Miniature Hyacinths, 5-in. \$20.00; 6-in. \$25.00 per 100.

**Obconica and Chinese Primroses**, 3-in. \$7.50; 4-in. \$10.00.

**Cyclamen**, in 3-, 4-, 5- and 6-inch.

**Baby Ramblers**, 3-in. \$12.50; 4-in. \$25.00; 5-in. 40 to 50 c; 6-in. 50 to 75c.

**White Ramblers**, Hermosa and Souper's the same.

**Spiraeas**, 25c, 35c, 50c and 75c each.

**Hydrangeas**, 4 in. 25c; 5 in. 40 to 50c; 6 in. 50 to 75c; 8-9- and 10-in large specimen plants with 10 to 20 heads at \$2.00, \$2.50, \$3.00, \$3.50 each.

Besides these we will have a nice stock of miscellaneous plants that will be in bloom for Easter.

—Write—

**GEO. A. KUHL, Pekin, Ill.**

## Verbenas for Everybody....



Of the finest varieties that ever grew, 70c per 100; \$6.00 per 1000.

**Mums**, the good kind, \$1.25 per 100; \$10.00 per 1000.

**Daisies**, white and yellow, \$1.00 per 100; \$8.00 per 1000. Our big double **Giant Alyssum**, 80c per 100; \$7.00 per 1000.

**Feverfew**, \$1.25 per 100; \$10.00 per 1000.

We prepay express charges on all rooted cuttings and guarantee satisfaction.

**C. HUMFELD, The Rooted Cutting Specialist, CLAY CENTER, KANS.**

## Vincent Specials...

**Double Lobelia**, Kathleen Mallard; **Alyssum**, Giant and Dwarf Double; **Lemon Verbenas**; **Fuchsias**, 6 varieties; **Salvia Bonfire**; **Petunias**, double mixed; **Coleus**, Golden Bedder and Verschaffeltii; **Parlor Ivy**, 2-in. pots \$2.00 per 100; 3-in. pots, \$3.00 per 100. **Hardy Chrysanthemums**: We have the largest collection in the country, \$2.00 per 100, from 2-in. pots not less than 5 of a kind.

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## WANTED

Orders for high grade stock of **Cannas**, **Dahlias**, **Ferns**, **Ficus**, **Asparagus** and **Hydrangea Hortensis**.

See classified department for prices.

**Wagner Park Conservatories, Sidney, O.**

**DANVERS, MASS.**—Porter Bros., of Davenport, have added three new greenhouses to supply the increasing demand for their products. Their specialty is cucumbers.

**WALLINGFORD, VT.**—According to a local paper, H. B. Barden has invented a new turf edger, a valuable tool for the landscape gardener, which will be manufactured by the Wallingford Manufacturing Co. It will take the place of the long handled knife and shears.

—NEW—

# Carnations

The two prize-winning introductions of the Cottage Gardens.

## MRS. C. W. WARD

MRS. C. W. WARD is a perfectly formed flower with full center; color deep pink, several shades lighter than Lawson, deeper than Winsor; having strong, erect stems, 24 to 36 inches in length. A vigorous, healthy grower, and has never shown disease of any kind.

### AWARDS

Society of American Florists, Silver Medal, Boston, 1906: The Craig Cup for Best Seedling, Philadelphia, 1906: The Lawson Bronze Medal, Washington, 1908: The Horticultural Society of N. Y., Silver Medal Sweepstake prize for best 100 blooms, New York, 1909: The Horticultural Society of N. Y., Diploma for best new variety, New York, 1909.

**PRICE:** Rooted Cuttings, \$2.00 per 12, \$12.00 per 100, \$100.00 per 1000. 25 at the 100 rate; 250 at the 1000 rate. **Delivery February 20th.**

## ALMA WARD

This beautiful Carnation is pure white except during dark weather when it shows delicate splashes of pink similar to the Cattleya Orchid, increasing its popularity.

ALMA WARD is the largest and most fragrant Carnation ever grown, producing perfect flowers, 3½ to 4½ inches in diameter, on strong, erect stems, 36 to 42 inches in length.

### AWARDS

The Lawson Silver Medal, Toronto, 1907 (no Gold Medal having been awarded); The Lawson Gold Medal, Washington, 1908: The Society of American Florists' Silver Medal, Washington, 1908.

**PRICE:** Rooted Cuttings, \$3.00 per 12, \$5.00 per 25, \$9.00 per 50, \$15.00 per 100, \$35.00 per 250 \$65.00 per 500, \$120.00 per 1000.

**Delivery March 1st.**

These varieties bring from \$2.00 to \$4.00 per 100 more than any other carnation sold in the New York market.

**Cottage Gardens Co., Inc. QUEENS, LONG ISLAND, N. Y.**

## White Killarney, My Maryland, Pink Killarney

Rooted cuttings and 2½-in. plants. Booking orders now for future deliveries.

The Right Place—The Right Goods—The Right Prices—Come and See Them Grow.

|                             | R. C.  | 2½-inch |  | R. C.  | 2½-inch |
|-----------------------------|--------|---------|--|--------|---------|
|                             | 100    | 1000    |  | 100    | 1000    |
| <b>White Killarney</b> .... | \$6 50 | \$60 00 |  | \$8 50 | \$75 00 |
| Grafted,                    |        |         |  | 14 00  | 125 00  |
| <b>Pink Killarney</b> ....  | 4 00   | 35 00   |  | 6 00   | 55 00   |
| Grafted,                    |        |         |  | 12 00  | 110 00  |
| <b>My Maryland</b> ....     | 4 00   | 35 00   |  | 6 00   | 55 00   |
| Grafted,                    |        |         |  | 12 00  | 110 00  |
| <b>Richmond</b> .....       | \$3 50 | \$30 00 |  | \$5 50 | \$50 00 |
| <b>Maids</b> .....          | 3 00   | 25 00   |  | 5 00   | 45 00   |
| <b>Brides</b> .....         | 3 00   | 25 00   |  | 5 00   | 45 00   |
| <b>American Beauties</b> .. | 4 00   | 35 00   |  | 7 00   | 65 00   |

Maids and Brides grown to order only.

3½-in. sizes will be offered, when ready, at 40% increase over 2½-in. You cannot afford to buy poor stock at 50% less.

**POEHLMANN BROS. CO., Morton Grove, Ill.**

## SHASTA

We are now shipping fine strong cuttings of **Shasta** as fast as they are ready to come out of the cutting bench. We have enough orders booked to take all that will be ready up to Feb. 15. If you want late February delivery you should get your order in at once. Come and see it growing; once you see it, you will want to grow it.

**\$12.00 per 100; \$100.00 per 1000.**

Send all orders to

**BAUR & SMITH, Indianapolis, Ind.**

**Send Advertisements Early for Best Display.**



**DBLE. PETUNIA**

2-in., \$2.00 per 100.  
 Smilax, 2-in., \$1.25 per 100. Abutilons, 3 kinds.  
 2-inch, 2½c. Cuphea, 2-in., 1½c. Poinsettias, stock  
 plants, 5c. Geraniums, Double Grant, Castel-  
 laine, Nutt. Buchner. Gen Grant 2-in., 2c. Coleus  
 10 kinds, Ageratum, 3 kinds, \$1.50 per 100.

**PRIMULA**

Primula Obconica, 2-in., 2c; 4-in., in bud and  
 bloom, 8c.

Rooted Cuttings, prepaid per 100. Heliotrope,  
 \$1.00; Fuchsia, 8 kinds, \$1.00; Paris Daisy, yellow,  
 white, \$1.00; Cuphea, 75c. Vinca Variegata, 90c;  
 Coleus, 10 kinds 60c; Alternanthera, 3 kinds, 50c;  
 Ageratum, 3 kinds 60c; Swainsona alba, \$1.00;  
 Dbl. Petunias, 10 kinds, \$1.00. Flowering Begon-  
 nias, 8 kinds, \$1.25.

Cash with order.

BYER BROS., Chambersburg, Pa.

**Chrysanthemums.**

All orders booked now for  
 Early Delivery.

Write for Catalogue.

**ELMER D. SMITH & CO.**

ADRIAN, MICH.

**Orchids..**

We have changed our domicile from Secaucus,  
 N. J., to Mamaroneck, N. Y. We are  
 largest collectors and importers of Orchids  
 and are now booking orders for all the com-  
 mercial Cattleyas for delivery next spring

CARRILLO & BALDWIN, Mamaroneck, N. Y.

**BAY TREES.**

Standards, Pyramids and Columns.

**ORCHIDS**

DIRECT FROM THE WOODS Cattleya Trianae,  
 C. Gigas and other commercial varieties.

JULIUS ROEHRS CO., Rutherford, N. J.

**Orchids**

Arrived in fine condition: Cattleya War-  
 nerii, C. Harrisonia, C. Gaskelliana and C.  
 Gigas (Hardyana type); also Dendrobium  
 Phalaenopsis Schroederianum and Odonto-  
 glossum luteo-purpureum.

Lager & Hurrell, Summit, N. J.

Albany, N. Y.

The March meeting of the Florists' Club will be held in its rooms, 71 State street, on the evening of March 3. The entertainment committee has been instructed to prepare for a lunch and smoker and the outlook is for a good time for all present. The arrangements were discussed at the February meeting of the club, at which only a comparatively small number were present on account of the very inclement weather. Among the visitors present was R. J. Irwin, of the Skidelsky & Irwin Co., Philadelphia. Mr. Irwin has recently been made a member of the club. Unusual interest was added to the meeting by a warm discussion that arose on the subject of accusations made outside by some florists against others. The matter was threshed out at great length with here and there a little wisdom injected by President Goldring. The result was that many things before obscure were

**CANNAS**

F. O. B. New York or Chicago.

**For Immediate Delivery.**

We are the largest handlers of Cannas in the world. Our prices upon Cannas will bear comparison with any house in the Canna business. Stock unequalled.

**RED-FLOWERING CANNAS.**

|                                 | 100    | 1000    |
|---------------------------------|--------|---------|
| Louisiana, 7 ft.....            | \$1.75 | \$15.00 |
| Alice Roosevelt, 4 ft.....      | 3.00   | 25.00   |
| A. Bouvier, 5 ft.....           | 1.50   | 14.00   |
| Beaute Poitevine, 3½ ft.....    | 2.00   | 17.50   |
| Black Prince, 3 to 4 ft.....    | 2.25   | 20.00   |
| Chas. Henderson, 4 ft.....      | 1.75   | 15.00   |
| Crimson Berrer, 3 ft.....       | 2.00   | 17.50   |
| D. of Marlborough, 4½ ft.....   | 1.75   | 15.00   |
| J. D. Eisele, 5 ft.....         | 1.75   | 15.00   |
| Exp. Crampbell, 5½ ft.....      | 1.50   | 14.00   |
| Express, 2 to 2½ ft.....        | 2.25   | 20.00   |
| Pres. McKinley, 2½ to 3 ft..... | 1.50   | 14.00   |
| Tarrytown, 3½ ft.....           | 1.75   | 15.00   |

**RED, GOLD-EDGED AND SPOTTED SHADES.**

|                                |      |       |
|--------------------------------|------|-------|
| Gladiator, 4 ft.....           | 2.75 | 25.00 |
| Cinnabar, 4½ ft.....           | 1.75 | 15.00 |
| Indiana, 3 to 4 ft.....        | 1.75 | 15.00 |
| Queen Charlotte, 3½ ft.....    | 2.25 | 20.00 |
| Mad. Crozy, 5½ ft.....         | 2.25 | 20.00 |
| Premier, 2½ ft.....            | 2.00 | 17.50 |
| S. de A. Crozy, 4 to 5 ft..... | 2.75 | 25.00 |

**PINK SHADES.**

|                         |      |       |
|-------------------------|------|-------|
| L. Patry, 4½ ft.....    | 1.75 | 15.00 |
| Louise, 5 ft.....       | 2.00 | 17.50 |
| Mlle. Berat, 4½ ft..... | 1.75 | 15.00 |
| Tennyson, 5½ ft.....    | 2.75 | 25.00 |

**YELLOW SHADES.**

|                             | 100    | 1000    |
|-----------------------------|--------|---------|
| Buttercup, 3½ ft.....       | \$1.75 | \$15.00 |
| C. de Bouchard, 4½ ft.....  | 2.00   | 17.50   |
| Florence Vaughan, 5 ft..... | 2.50   | 20.00   |
| L. E. Bailey, 4½ ft.....    | 2.75   | 25.00   |
| Richard Wallace, 4½ ft..... | 2.75   | 25.00   |

**WHITE AND CREAM SHADES.**

|                    |      |       |
|--------------------|------|-------|
| Alsace, 3½ ft..... | 1.75 | 15.00 |
|--------------------|------|-------|

**BRONZE-LEAVED FLOWERING CANNAS.**

|                             |      |       |
|-----------------------------|------|-------|
| Brandywine, 4 to 5 ft.....  | 2.00 | 17.50 |
| Black Beauty, 5 ft.....     | 2.75 | 25.00 |
| David Harum, 3½ ft.....     | 2.75 | 25.00 |
| Egandale, 4 ft.....         | 1.50 | 14.00 |
| King Humbert, 4 ft.....     | 3.25 | 30.00 |
| Leonard Vaughan, 4½ ft..... | 1.75 | 15.00 |
| Musafolia, 5 ft.....        | 2.75 | 25.00 |
| Pillar of Fire, 6-7 ft..... | 2.25 | 20.00 |
| Robusta, 6-8 ft.....        | 1.75 | 17.50 |
| Shenandoah, 6 ft.....       | 1.75 | 15.00 |

**ORCHID-FLOWERING CANNAS.**

|                            |      |       |
|----------------------------|------|-------|
| Allemanina, 4 to 5 ft..... | 1.75 | 16.00 |
| Austria, 5 ft.....         | 1.25 | 12.00 |
| Italia, 4½ ft.....         | 1.75 | 15.00 |
| Kronus, 5 ft.....          | 1.75 | 15.00 |
| Mrs. Kate Gray, 6 ft.....  | 1.75 | 15.00 |
| Pennsylvania, 5 ft.....    | 1.75 | 15.00 |
| Wyoming, 7 ft.....         | 2.75 | 25.00 |

Our Cannas are packed 250 in a box; two can be "cleated" together and shipped as one. One box of 250 sold at thousand rate; it is cheaper for you to buy a box than 200 at 100 rate.

Chicago and Western  
 Agents For Our Cannas

**WINTERSON'S SEED STORE,**

45-47-49 Wabash Ave.,

Chicago, Ill.

**Arthur T. Boddington,**  
**SEEDSMAN,**

342 West 14th Street.

NEW YORK.

**Orchids** Write for 1910 Catalogue

Commercial varieties in any quantity. Guaranteed direct from collector. Advance orders insure good plants and prompt delivery.

**G. L. FREEMAN, 388 Appleton St., Holyoke, Mass.**

brought into the light and everybody went away feeling satisfied that many causes of friction had been bared and set to rights. So excellent were the results that it was determined to make the March meeting like an old family reunion, a celebration indeed of the excellent state of good fellowship that now exists. The majority of the members did not get home after the meeting until 5 a. m.

R. D.

**ORCHIDS...**

Largest Importers, Exporters, Growers,  
 and Hybridists in the World.

**SANDER, St. Albans, Eng.**

NEW YORK OFFICE:  
 Room 1, 235 Broadway.

T. MELLSTROM,  
 Agent.

Mention The American Florist when writing



**Rooted Carnation Cuttings**

For Immediate Delivery.

**ENCHANTRESS, PERFECTION, BEACON**, \$3.00 per 100; \$25.00 per 1000.**ROSE PINK and WHITE ENCHANTRESS, WINSOR**, \$2.50 per 100; \$20.00 per 1000.

We can fill orders from 1000 to 100,000 and guarantee the stock.

**J. D. THOMPSON CARNATION CO., JOLIET, ILL.**

Mention the American Florist when writing

# Wanted

Best offer on the following list of plants for early shipment, well grown stock.

500 **Geraniums**, Mrs. E. G. Hill, 2½-in. pots.300-500 **Vinca Variegata**, 3½ to 4-in. pots.100 **Dracena indivisa**, 6-inch.200 **Dracena indivisa**, 5-inch.200 **Dracena indivisa**, 4-inch.**WHOLESALE, care American Florist.**

Mention the American Florist when writing

## FUCHSIAS

There are none better than **Little Beauty**, **Lord Byron**, **Renan** and **White Beauty**. Strong 2½ inch plants ready \$4.00 per 100 New Heliotrope. Miss Bernice a sport of Mme. Bruant and a great improvement on the latter 2½-inch \$8.00 per 100.

Catalog for the Asking.

**SKIDELSKY & IRWIN CO.,**  
1215 Betz Bldg.,  
PHILADELPHIA, PA.

## A Chance to Buy Right.

**BOSTON FERNS**, In order to make room I offer an extra fine lot of 4 and 5-inch plants at \$12.00 and \$20.00 per 100. **GERANIUMS**, transplanted in flats, extra strong R. C. S. A. Nutt, \$12.50 per 1000. 3-inch plants, \$4.00 per 100.**F. C. RIEBE,**

Webster, Mass.

## Ferns for Dishes...

Assorted varieties. 2¼-in. pots, \$3.50 per 100; \$30.00 per 1000. Cash with order.

**FRANK OECHSLIN**

4911 Quincy St.

CHICAGO.

## Rooted Cuttings

**Verbenas**, choice varieties, 70c per 100, \$6.00 per 1000  
Per 100 1000 Per 100 1000  
**Heliotropes** \$1.00 \$8.00 **Petunias**....\$1.25 \$10.00  
**Daisies**, white **Salvias**..... 1.00 8.00  
and yellow 1.00 **Alyssum**dbl. .80  
**Coleus**..... .70 6.00 **Ageratum**s... .60 5.00  
Express paid. Cash with orders.**S. D. BRANT,**

Clay Center, Kans.

**WENONA, ILL.**—Wm. Metzger is increasing his greenhouse space, this being necessary owing to the great increase in business.**PATERSON, N. J.**—Robert Smith of Market street has been compelled to give up business on account of inability to meet obligations. The Smith Realty Co. distrained on his fixtures. His liabilities are said to be in the neighborhood of \$2,500.

# Dormant Cannas

Guaranteed True to Name. Fine plump stock with from two to three eyes each.

**Bronze Leaved**

|                   | Doz.   | 100    | 1000    |
|-------------------|--------|--------|---------|
| David Harum.....  | 50c    | \$3 00 | \$25 00 |
| Egandale.....     | 50c    | 3 00   | 20 00   |
| King Humbert..... | \$1 25 | 8 00   | 60 00   |

**Orchid Flowers**

|                   | Doz. | 100    | 1000    |
|-------------------|------|--------|---------|
| Allemania.....    | 35c  | \$2 25 | \$18 00 |
| Austria.....      | 50c  | 3 00   | 20 00   |
| Burbank.....      | 30c  | 2 00   | 15 00   |
| Fred Benary.....  | 90c  | 6 00   | 55 00   |
| Italia.....       | 50c  | 3 00   | 20 00   |
| Kate Gray.....    | 40c  | 2 50   | 22 50   |
| Parthenope.....   | 40c  | 2 50   | 22 50   |
| Pennsylvania..... | 40c  | 2 50   | 17 50   |

**Red Flowers**

|                            | Doz. | 100    | 1000    |
|----------------------------|------|--------|---------|
| Chas. Henderson.....       | 40c  | \$2 50 | \$17 50 |
| Chicago.....               | 40c  | 2 50   | 22 50   |
| Explorateur Crampbell..... | 50c  | 3 00   | 22 50   |

**Variegated Flowers**

|                               | Doz. | 100    | 1000    |
|-------------------------------|------|--------|---------|
| Elizabeth Hoss.....           | 60c  | \$4 00 | \$30 00 |
| Florence Vaughan.....         | 50c  | 3 00   | 25 00   |
| M. Crozy.....                 | 50c  | 3 00   | 25 00   |
| Souvenir D'Antoine Crozy..... | 60c  | 4 00   | 30 00   |

**Yellow and Cream Flowers**

|                | Doz. | 100    | 1000    |
|----------------|------|--------|---------|
| Buttercup..... | 90c  | \$6 00 | \$50 00 |
| Alsace.....    | 50c  | 3 00   | 25 00   |
| Coronet.....   | 60c  | 4 00   | 35 00   |

**Pink Flowers**

|                        | Doz.   | 100    | 1000    |
|------------------------|--------|--------|---------|
| L. Patry.....          | 35c    | \$2 25 | \$17 50 |
| Mlle. Berat.....       | 40c    | 2 50   | 20 00   |
| Hofgartner Hoppe.....  | 90c    | \$6 00 | \$50 00 |
| George Birdell.....    | \$1 25 | 8 00   | 70 00   |
| George Washington..... | 50c    | 3 00   | 27 50   |

**Mosbaek Greenhouse Co., Onarga, Ill.**

# Mary Tolman

Deep flesh that does not fade in the strongest light; clean grower; rigid stem; perfectly formed flowers; good producer.

Cuttings ready now, \$12.00 per 100; \$100.00 per 1000. Guaranteed in every way.

**CHICAGO CARNATION CO., Joliet, Ill.****A. E. HUNT & CO., Evanston, Ill. HUNT BROS., Park Ridge, Ill.**

# Sangamo

**Brilliant  
Glistening  
Pink.****Winner Wherever Shown.**The most prolific and fastest growing carnation of any; very clean, upright grower, long stiff stems; **never splits**; flowers nicely fringed and well rounded out.**The one real money-maker for you to grow. Orders booked now.**  
\$12.00 per 100; \$100.00 per 1000. All cuttings guaranteed.**A. C. BROWN,**

Springfield, Ill.

**CHICAGO CARNATION CO.**

Joliet, Ill.

# CONQUEST

Light pink overlaid with deep rose. The most valuable and attractive carnation on the market. Lawson habit; very free; long stiff stems; large well built flowers.

**Winner of First prize wherever shown.****Rooted Cuttings Guaranteed**

Ready now, \$12.00 per 100; \$100.00 per 1000.

**Chicago Carnation Co., A. T. PYPER, Joliet, Ill.**  
Manager.



## Miscellaneous Plants.

|                                      |         |
|--------------------------------------|---------|
| 2½-in. Bostons.....                  | Per 100 |
| 4-in. ....                           | \$ 4 50 |
| 5-in. ....                           | 15 00   |
| 7-in. ....                           | 25 00   |
| 2½-in. Whitmani.....                 | 60 00   |
| 2-in. Asparagus Plumosus Nanus.....  | 5 00    |
| 4-in. ....                           | 3 00    |
| 2-in. Asparagus Sprengeri.....       | 12 00   |
| 3-in. ....                           | 2 50    |
| 2-in. Assorted Ferns for Dishes..... | 6 00    |
| 4-in. Araucaria Excelsa.....         | 3 00    |
| 2-in. Baby Primrose.....             | 50 00   |
| 2-in. Chinese Primrose.....          | 2 50    |
| 3-in. Cyclamen.....                  | 2 50    |
| 4-in. ....                           | 7 00    |
| 2-in. Moonvines, white.....          | 15 00   |
|                                      | 3 00    |

Also a full line of bedding stock and the best wire hanging baskets on the market. Write us.

**D. U. AUGSPURGER & SONS CO., PEORIA, ILL.**

Mention the American Florist when writing

## A FEW GOOD THINGS YOU WANT.

**Rex Begonia**, 2-in. \$5.00 per 100.  
**Asparagus Sprengeri**, 3-in. \$5.00 per 100  
**Geraniums**, Nutt. Doyle, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in. pots, \$2.00; 3-in., \$4.00 per 100; Viand, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., \$4.50; 2-in. pots, \$2.50; 3-in., \$5.00 per 100; Mme. Sallerol, 2-in., \$3.00 per 100  
**Asparagus Plumosus**, 2-in. \$3.00 per 100; 3-in., \$5.00 per 100. Cut fronds 25c per bunch.  
**Boston Ferns**, 5-in 25c each. **Whitmani Ferns**, 4-in. 25c each.  
**Cycas Palms**, 4 to 5 leaves, \$1.00, \$1.50 and \$2.00.  
**Vinca Var.**, 2-in. \$2.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order

**GEO. M. EMMANS, Newton, N. J.**

Mention the American Florist when writing

## A New Fern NEPHROLEPIS GIATRASH

Awarded a Certificate of Merit by the Horticultural Society of New York.

**Prices:** In 2¼-inch pots, \$3.50 per dozen; \$25.00 per 100; \$200.00 per 1000. 25 plants at 100 rates; 500 plants at 1000 rates. Orders delivered in rotation as received. **Now Ready for delivery,**

**GEORGE GIATRASH,**  
 463 Summit Ave., West Hoboken, N. J.

Sioux City, Ia.

Business so far this year has been keeping up remarkably well. Roses have been very scarce the last few weeks but carnations are plentiful and sell well, taking the place of roses in part. Funeral work has been very plentiful of late cleaning up everything in the way of flowers. Out-of-town shipping trade is good but we are able to take care of all orders. A considerable number of orders from nearby towns have been received here of late, retailers not caring to send to Chicago when stock can be obtained much nearer.

### NOTES.

Rocklin & Lehman have had a big demand for violets and the Japanese air plant, which latter is a big seller here.

The retailers made fine window displays for St. Valentine's day and Lincoln's birthday.

J. R. Elder, it is reported, will shortly move to larger quarters.

R.

## VAUGHAN'S LIST OF Dormant Stock

| Crimson Ramblers.                                       |  | Per doz. | Per 100 |
|---------------------------------------------------------|--|----------|---------|
| 2 years old. 2 to 3 feet, well branched, own roots..... |  | \$2.00   | \$15.00 |
| 2 years old. 2 to 3 feet, well branched, budded.....    |  | 2.00     | 15.00   |
| 3 years old, 3 to 5 feet, well branched, budded.....    |  | 3.00     | 18.00   |
| 4-inch pots.....                                        |  |          | 10.00   |

| Tausendschon.                      | Per doz. | Per 100 |
|------------------------------------|----------|---------|
| 2-yr. old, dormant, grafted plants | \$3.50   | \$25.00 |

### Lady Gay.

|                               |        |         |
|-------------------------------|--------|---------|
| 2-yr. old, dormant stock..... | \$3.00 | \$20.00 |
|-------------------------------|--------|---------|

### White Baby Rambler.

|             |         |
|-------------|---------|
| 3-inch..... | \$ .15  |
| 4-inch..... | .25     |
|             | \$2.50  |
|             | \$20.00 |

### Azalea Mollis

|                    | Each   | Doz.    | 100     |
|--------------------|--------|---------|---------|
| 15 to 20 buds..... | \$0 50 | \$ 5 00 | \$40 00 |
| 40 to 50 buds..... | 1 00   | 10 00   |         |

### Baby Rambler.

Dormant, field-grown.

|                              | Per doz. | 100     |
|------------------------------|----------|---------|
| 1st size, selected, budded.  |          |         |
| 3-years.....                 | \$2.50   | \$16.00 |
| 2nd size, selected, grafted. |          |         |
| 2-years.....                 | 2.00     | 12.00   |
|                              |          | 100.00  |
| Pot-grown.                   |          |         |
| 2½-inch.....                 | \$ .75   | 5.00    |
| 3-inch.....                  | 1.25     | 8 00    |
| 4-inch.....                  | 2.00     | 12.00   |

### Deutzia

|                      | Each | Doz. | 100   |
|----------------------|------|------|-------|
| Lemoinei, 7-in. .... | 25   | 2 50 | 20 00 |

**Magnolia Soulangeana**, 3 to 4 ft., \$1.50 each; \$14.00 doz.

All Plants F. O. B.  
 Western Springs, Ill.

## Vaughan's Seed Store,

**84-86 Randolph St., CHICAGO. 25 Barclay St., NEW YORK,**  
 Greenhouses and Nurseries: Western Springs, Ill.

## Palms and Other Seasonable Stock

We have an extra good stock of **Forsteriana**, made up, three plants in a pot or tub all clean perfect plants. (We need to reduce our palm stock, and are giving extra values.)

7-in. pots. 3 plants in pot. 40 to 44 in. high.....\$4.00 each.

8-in. pots. 3 plants in pot. 44 to 48 in. high.....5.00 each.

Single plants **Kentia Forsteriana**, 7-in. pots. 6 to 7 leaves, 36 to 40 inches high. \$2.50 each; 8-in. pots. 6 to 7 leaves. 40 to 44 inches high. \$3.50 each.

(Full line of sizes of both **Forsteriana** and **Belmoreana** in price list No 5. just out. Send for it, if you do not receive it.)

**Genista Racemosa**, 5-in. pot plants bushy, \$3.50 per dozen; \$25.00 per 100.

**Rhododendrons**, 18-in. plants with 8 to 12 buds, \$9.00 per dozen.

**Rhododendrons**, 24-in. plants with 12 to 15 buds, \$12.00 per dozen.

**Azalea Mollis**, 12 to 15-in. high, full of buds, \$30.00 per 100. 15 to 18 in. high, very bushy, full of buds, \$35.00 per 100.

**Bougainvillea Glabra Sanderiana**, 5-in., well shaped, bushy plants, \$3.00 per dozen.

**Asparagus Sprengeri**, 2-in. \$2.50 per 100; \$20.00 per 1000.

**Boxwood**, Fine bushy plants. 12-in. high \$3.00 per doz. \$20.00 per 100.

**Fuchsias**, Assorted in 6 best varieties \$3.00 per 100; \$25.00 per 1000

**The Storrs & Harrison Co., Painsville, O.**

## CARNATIONS April Delivery, A few ready for March.

**White Perfection**, **Rose Pink Enchantress**, and **Victory** at \$15.00 per 1000.

**White Enchantress**, \$17.50 per 1000.

**Lawson Enchantress**, **Wiuona** and **Beacon** at \$20.00 per 1000.

**O. P. Bassett** and **Alvina** at \$30.00 per 1000.

**Fenn**, **Lawson** and **Winsor** at \$10.00 per 1000.

**ALBERT M. HERR, Lancaster, Pa.**

**GERANIUMS**, Ready March 21 and later. Nutt at \$10.00 per 1000. Ricard and Poitevine at \$12.00 per 1000-

**ASPARAGUS PLUMOSUS**, \$25.00 per 1000.

**ASPARAGUS SPRENGERI**, at \$25.00 per 1000.

**Sprengeri "SPECIAL"** ready for four inch pots at \$50.00 per 1000, sample for 10c.

## Robert Craig Co...

### HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

## Neph. Whitmani

2¼-in ..... 5.00 per 100  
**MAGNIFICA** (new), 2¼-in... 25.00 per 100

**Boston Ferns** 2¼-inch, \$3.00 per 100.

**Henry H. Barrows & Son, Whitman, Mass**



## Almost Sold Out

Have you sent us an order for your stock of Carnation Dorothy Gordon? Easy to put it off—but our supply is limited, orders are piling in every day, and some of you who are planning to grow this splendid carnation for your trade this year are going to be disappointed.

This magnificent flower made a big "hit" at the Pittsburg meeting, but that didn't surprise us any, for a great many of our friends in the trade long ago learned that for real, substantial profits

# Carnation Dorothy Gordon

stood away up at the top of the list. We know we "harp" a lot about its merits, but when you know this grand new variety as we do, you'll be enthusiastic, too. Flowers fragrant and uniform in color—a little darker than Pink Enchantress; very large—size, 3 inches or more in diameter—buds of good substance and very lasting. All these features spell profits for growers of Carnation Dorothy Gordon—double profits, for the plants

bear more flowers which sell for a higher price, bringing your gains up to nearly twice what you can get from other commercial sorts.

Come to Wyncote and see Dorothy Gordon growing; if you cannot do that write or wire us now and we will reserve stock for you. But do it quickly if you want any rooted cuttings this spring. Interesting literature free. Prices are: \$10.00 per 100; \$75.00 per 1000.

JOSEPH HEACOCK COMPANY, Disseminators,

Wyncote, Pa.

## 1/2 Million Roses

For February delivery in these and  
and 400 other sorts.

Summer grown, on own roots.

|                              | 2 1/2-in. | 1000   | 4-in.        |
|------------------------------|-----------|--------|--------------|
| Doz.                         | 100       | 1000   | 100          |
| American Beauty.....         | 85c       | \$6 00 | \$50 00      |
| Anna de Diesbach.....        | 50c       | 3 50   | 30 00 \$3 00 |
| Anny Muller.....             | 50c       | 3 00   | 25 00        |
| Ball of Snow (Boule de       |           |        |              |
| Neige.....                   | 50c       | 3 50   | 30 00 8 00   |
| Bridesmaid.....              | 50c       | 3 00   | 25 00 8 00   |
| Bougere.....                 | 50c       | 3 00   | 25 00 8 00   |
| Catherine Zeimet (White      |           |        |              |
| Baby Rambler).....           | 50c       | 3 50   | 30 00 10 00  |
| Duchesse de Brabant.....     | 50c       | 3 00   | 25 00 7 00   |
| Etoile de Lyon.....          | 50c       | 3 00   | 27 50 8 00   |
| Gross an Teplitz (Vir. R.    |           |        |              |
| Coxe).....                   | 50c       | 3 00   | 27 50 8 00   |
| Helen Gould (Balduin).....   | 50c       | 3 00   | 27 50 8 00   |
| Madame Masson.....           | 50c       | 3 50   | 30 00 7 00   |
| Mlle. Franzisca Kreuger..... | 50c       | 3 00   | 25 00 8 00   |
| Magna Charta.....            | 50c       | 3 50   | 30 00 7 00   |
| Maman Cochet pink.....       | 50c       | 3 00   | 27 50 8 00   |
| Marechal Niel. (4-in. 10c    |           |        |              |
| 12c., 15c).....              | 50c       | 3 50   | 30 00 15 00  |
| Marie van Houtte.....        | 50c       | 3 00   | 25 00 7 00   |
| Meteor.....                  | 50c       | 3 00   | 27 50 8 00   |
| Papa Gontier.....            | 50c       | 3 00   | 27 50 7 00   |
| Phyllis (Pink Baby Ram       |           |        |              |
| bler).....                   | 50c       | 3 50   | 30 00        |
| Queen's Scarlet.....         | 50c       | 3 00   | 25 00 8 00   |
| Reine Marie Henriette.....   | 50c       | 3 00   | 25 00 8 00   |
| Rhea Reid.....               | 60c       | 4 00   | 35 00 10 00  |
| The Bride.....               | 50c       | 3 00   | 25 00 8 00   |
| Wellsley.....                | 50c       | 3 50   | 30 00 9 00   |
| White Bougere.....           | 50c       | 3 00   | 25 00 8 00   |
| White Maman Cochet.....      | 50c       | 3 00   | 27 50 8 00   |

Let us know your entire wants in roses

THE LEEDLE FLORAL COMPANY  
SPRINGFIELD, OHIO.

## Geraniums

|                                     | 1000    | 100    |
|-------------------------------------|---------|--------|
| S. A. Nutt and 8 other varieties.   |         |        |
| 2 1/2-in. pots.....                 | \$20 00 | \$2 50 |
| Alternantheras, yellow, rooted cut- |         |        |
| tings.....                          |         | 50     |
| Vincas, Var., 2-in. pots.....       |         | 2 00   |
| Asp. Sprenger seedlings.....        | 7 00    | 1 00   |
| Fancy Plants.....                   | 2 50    |        |

—Cash—

Jos. H. Cunningham, Delaware, O.

Boy and Girl Agricultural Club.

The Department of Agriculture has issued under the above title a bulletin telling of the work done along the line of agricultural clubs for boys and girls. As a rule these have had their beginnings in some form of contest and there are in the various states clubs for corn, potato, cotton, fruit or poultry raising, studies of home life, birds, live stock and others. The members have been taught to recognize good or bad qualities in these products and have met and discussed problems in the improvement of plants, fruits, animals and housework.

## Rooted Carnation Cuttings.

New Carnations for 1910.

|                      | Per 100           | Per 1000 |
|----------------------|-------------------|----------|
| Dorothy Gordon.....  | \$75 00 per 1000; |          |
| Shasta.....          | 12 00             | \$12 00  |
| Scarlet Glow.....    | 12 00             | 15 00    |
| Sangamo.....         | 12 00             | 12 00    |
| Admiratio n.....     |                   | 12 00    |
| Alma Ward.....       | \$2.50 per doz.   |          |
| Mrs. C. W. Ward..... |                   | 12 00    |
| Conquest.....        |                   | 12 00    |

### Carnations of 1909.

|                       |      |                         |      |
|-----------------------|------|-------------------------|------|
| O. P. Bassett.....    | 6 00 | Ruby.....               | 6 00 |
| Pink Delight.....     | 6 00 | Mrs. J. C. Vaughan..... | 6 00 |
| Mrs. Chas. Knopf..... | 6 00 | Georgia.....            | 6 00 |

### Standard Varieties,

| WHITE VARIETIES.       | Per 100 | PINK VARIETIES.             | Per 100 |
|------------------------|---------|-----------------------------|---------|
| White Enchantress..... | \$3 00  | Winsor.....                 | \$3 00  |
| Lady Bountiful.....    | 3 00    | Afterglow.....              | 3 00    |
| White Perfection.....  | 3 00    | Splendor.....               | 3 00    |
| Queen Louise.....      | 2 00    | Pink Imperial.....          | 2 50    |
| The Queen.....         | 2 00    | Rose Pink Enchantress.....  | 2 50    |
| My Maryland.....       | 2 00    | Mrs. Thos. W. Lawson.....   | 2 00    |
| Sarah Hill.....        | 3 00    | Nelson Fisher.....          | 2 00    |
| Lloyd.....             | 3 00    | Mabelle.....                | 1 50    |
|                        |         | Variegated Enchantress..... | 2 50    |

| RED VARIETIES.      | Per 100 | YELLOW VARIETIES.  | Per 100 |
|---------------------|---------|--------------------|---------|
| Robert Craig.....   | \$3 00  | Eldorado.....      | \$2 00  |
| John E. Haines..... | 2 00    | Golden Beauty..... | 2 00    |
| Beacon.....         | 3 50    |                    |         |
| Flamingo.....       | 2 00    |                    |         |
| Victory.....        | 3 00    |                    |         |
| Roosevelt.....      | 2 00    |                    |         |
| Harlowarden.....    | 2 00    |                    |         |
| Cardinal.....       | 2 00    |                    |         |

Grafted and Own-Root Roses ready for Early Delivery. Send for Circular.

### Choice Varieties of Verbenas.

|                                       | Per 100 | 1000    |                                    | Per 100 | 1000    |
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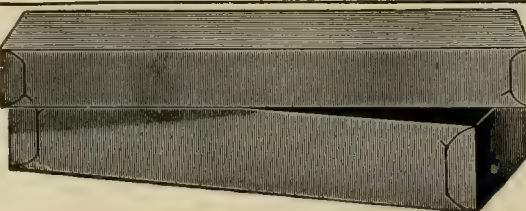
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Cannas, for varieties and prices see page advertisement in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Cannas—See our display for special offerings. Mosbaek Greenhouse Co., Onarga, Ill.

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Carnations, White Perfection, Rose Pink Enchantress and Victory, \$15 per 1,000. White Enchantress, \$17.50 per 1,000. Lawson Enchantress, Winona, Beacon, \$20 per 1,000. O. P. Bassett, Alvina, \$30 per 1,000. Fenn, Lawson, Winsor, \$10 per 1,000. A. M. Herr, Lancaster, Pa.

Carnations, new seedlings, deep crimson and bright pink, \$8 per 100; \$75 per 1,000. Rose Pink Enchantress, \$5 per 100. Dingee & Conard Co., West Grove, Pa.

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Roses, White Killarney, R. C., \$6.50 per 100; \$60 per 1,000; 2½-in., \$8.50 per 100; \$75 per 1,000; grafted, \$14 per 100; \$125 per 1,000. Pink Killarney, R. C., \$4 per 100; \$35 per 1,000; 2½-in., \$6 per 100; \$55 per 1,000; grafted, \$12 per 100; \$110 per 1,000. My Maryland, R. C., \$4 per 100; \$35 per 1,000; 2½-in., \$6 per 100; \$55 per 1,000; grafted, \$12 per 100; \$110 per 1,000. Richmond, R. C., \$3.50 per 100; \$30 per 1,000; 2½-in., \$5.50 per 100; \$50 per 1,000. Maids, Brides, R. C., \$3 per 100; \$25 per 1,000; 2½-in., \$5 per 100; \$45 per 1,000. Am. Beauties, R. C., \$4 per 100; \$35 per 1,000; 2½-in., \$7 per 100; \$65 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, dormant stock. Crimson Rambler, 2-yr., branched, own roots, \$2 per doz.; \$15 per 100; 2-yr., budded, \$2 per doz.; \$15 per 100; 3-yr., budded, \$3 per doz.; \$18 per 100; 4-yr., \$10 per 100. Tausendschon, 2-yr., grafted, \$3.50 per doz.; \$25 per 100. Lady Gay, 2-yr., \$3 per doz.; \$20 per 100. White Baby Rambler, 3-in., 15c each; 4-in., 25c each; \$2.50 per doz.; \$20 per 100. Baby Rambler, 1st size, budded, 3-yr., \$2.50 per doz.; \$16 per 100; \$150 per 1,000; 2nd size, grafted, 2-yr., \$2 per doz.; \$12 per 100; \$100 per 1,000; pot-grown, 2½-in., 75c per doz.; \$5 per 100; 3-in., \$1.25 per doz.; \$8 per 100; 4-in., \$2 per doz.; \$12 per 100. Vaughan's Seed Store, Chicago and N. Y.

AMERICAN BEAUTIES, 2-year-old bench plants, \$7 per 100. Strongly rooted Brides, Maids, Golden Gates, select 2 and 3-eye cuttings, \$1.50 per 100. GULLETT & SONS, Lincoln, Ill.

Roses, dormant field-grown, own roots, Sweetheart, T. Blumschen, La Flamma, Trier, D. Perkins, Lady Gay, Debutante, Hiawatha, 12c each. Tausendschon, Barbier, 20c. Dingee & Conard Co., West Grove, Pa.

Roses rooted cuttings, Am. Beauty, \$4 per 100; \$35 per 1,000. Pink Killarney, \$2.50 per 100; \$20 per 1,000. Richmond, Bride, \$1.50 per 100; \$12 per 100. Geo. Reinberg, 51 Wabash Ave., Chicago.

Roses, grafted and own root, Killarney, Richmond, My Maryland, White Killarney, Kaiserin, Bride and Bridesmaid, W. H. Elliott, Brighton, Mass.



Rose, Flower of Fairfield, 3 to 6 shoots, \$11 per 100; \$100 per 1,000; 5 or more shoots, \$15 per 100. Schultheis Bros., Bad-Naheim, Germany.

Roses, for forcing, hybrid perpetuals and Ramblers. Jackson & Perkins Co., Newark, N. Y.

Roses, on own roots, budded, bedding, H. P. hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Taft rose, 2½-in., \$15 per 100. J. M. McCullough's Sons Co., 316 Walnut St., Cincinnati, O.

Roses, Bride, Maid, Golden Gate, 3-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

Roses, Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

Roses, leading varieties. Leedle Floral Co., Springfield, Ohio.

Roses. Geo. A. Kuhl, Pekin, Ill.

Roses, 3-in. Wood Bros., Fishkill, N. Y.

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### SEEDS.

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Seeds, Lobelia Crystal Palace compacta, Salvia, Splendens and Bonfire, Centaurea Gym, Cobea scandens, Mignonette, N. Y. Market, Begonia Vernon, Dracena indivisa, Primula Chinensis, Schizanthus Wisetonensis, Onion Ailsa Craig, Tomato The Don, Weeber & Don, 114 Chambers St., New York.

Seed, fringed petunias, dbl., 75c per 500 seeds; \$1.50 per 1,000; single, 50c per trade pkt., \$1 per 1-16 oz., \$1.50 per ¼ oz. Henry A. Dreer, Philadelphia.

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Seeds, onion, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett E. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, Cauliflower and cabbage. Hjalmar Hartman & Co., 31 Barclay St., New York, and 12 Stormgade, Copenhagen.

Seeds, Phoenix Roebeleni. Sander, T. Mellstrom, Representative, 235 Broadway, New York.

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Seeds, asters. James Vick's Sons, Rochester, N. Y.

Seeds. Landreth Seed Establishment, Bloomsdale Farms, Bristol, Pa.

Seeds, Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Vegetable seeds, plants, sold direct. Catalogue free. Glick Seed Farms, Lancaster, Pa.

Seed, asters. Vick & Hill, Box 4613, Rochester, N. Y.

Seeds, garden, field and flower. S. D. Woodruff & Sons, 82-84 Dey St., New York.

### Contract Growers.

Seeds, peas, beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, field, garden and flower. Rout-zahn Seed Co., Arroyo Grande, Calif.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohmert, Gilroy, Calif.

Seeds, sweet peas. Anton Zvolanek, Bountbrook, N. J.

Seeds, growers for the wholesale trade only. Braslan Seed Growers' Co., San Jose, Calif.

California seed contracts. Kimberlin Seed Co., Santa Clara, Calif.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

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Smilax plants, 2½-in., \$1.50 per 100; \$12 per 1,000. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia, Pa.

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Smilax. Wood Bros., Fishkill, N. Y.

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Spireas. J. Smits, Ltd., Naarden, Holland.

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Vegetable plants. Cabbage, Wakefield and Succession, \$1 per 1,000; \$8.50 per 10,000. Parsley, 25c per 100; \$1.25 per 1,000. Lettuce, Big Boston. Boston Market, Grand Rapids, \$1 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

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Verbenas, rooted cuttings, our selection, 75c per 100; \$6 per 1,000; plants, 2½-in., our selection, \$2.50 per 100; \$20 per 1,000; R. C., purchaser's selection, 90c per 100; \$3 per 1,000; plants, 2½-in., \$3 per 100; \$25 per 1,000. J. L. Dillon, Bloomsburg, Pa.

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Vinca variegated, 2½-in., \$2.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Vinca var., 2-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

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Denver Wholesale Florist Co., 1433-35 California St., Denver, Colo.

Flower Growers' Market, 60 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

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Guttman, Alex J., 34 W. 28th St., N. Y.

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Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros. Co., 48-50 Wabash, Chicago.

Kessler Bros., 50 W. 28th St., New York.

Keuhn, C. A., 1122 Pine St., St. Louis, Mo.

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Kyle & Foerster, 51 Wabash Ave., Chicago.

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Michigan Cut Flower Exchange, 30-40 Broadway, Detroit, Mich.

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Millang, Chas., 444 6th Ave., cor. 27th St., New York.

Murdoch & Co., J. B., 714 Penn Ave., Pittsburg, Pa.

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Niessen Co., Leo, 1208 Arch St., Phila.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

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Randall, A. L. Co., 19 Randolph St., Chicago.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

Raynor, John I., 49th and W. 28th St., New York.

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Slinn, B. S., 55-57 W. 26th St., New York.

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Winterson, E. F. Co., 45-49 Wabash, Chicago.

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Poehlmann Bros., 35-37 Randolph, Chicago.

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Pillsbury's Carnation Staple, 50c per 1,000 postpaid. I. L. Pillsbury, Galesburg, Ill.

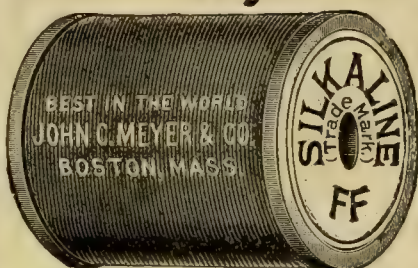
The Mastin Automatic Whitewash and Spraying Machine. J. G. Mastin & Co., 3124 W. Lake St., Chicago.

Superior Carnation staple, 50c per 1,000, postpaid. L. J. Waite, 293 Main St., Springfield, Mass.

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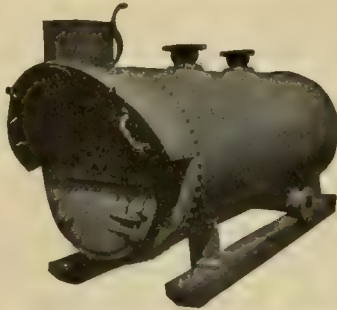
Cane Stakes. Standard grade 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000. Pipe stems about 6 feet, per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

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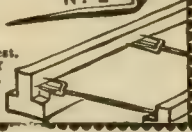
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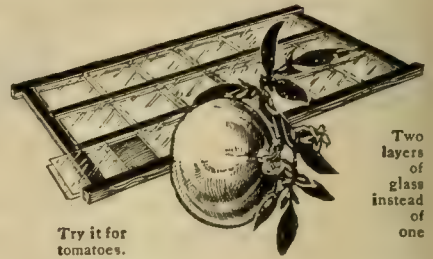
TRENTON, Mo.—The Trenton Floral Co. was regularly organized as a corporation under the laws of Missouri, and the first board of directors elected at a meeting of stockholders February 3. The business will be in charge of a board of five directors, consisting of L. A. Warden, H. N. Longfellow, B. A. Barnes, Chas. W. Sloan and L. Derocher. At a meeting of the directors the following officers were chosen: L. A. Warden, president; H. N. Longfellow, secretary and treasurer. L. Derocher will continue as manager. Work on the new greenhouse has been started. The company is capitalized at \$3,000.

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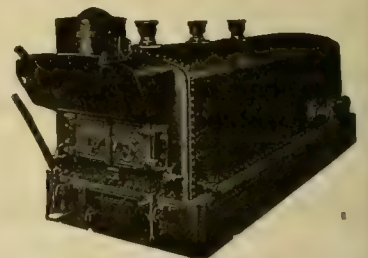
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We manufacture every type of boiler in use, but our greenhouse boiler, because of its special construction, possesses many advantages over any other type.

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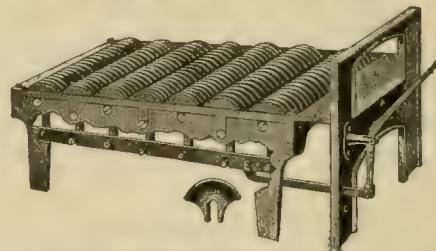
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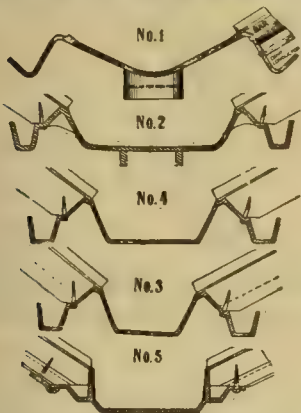
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Omaha.

TRADE GOOD.

Business has been firm right along since Christmas. Roses are scarce and command good prices. Beauties are no good; carnations are of good quality and plentiful; violets are plentiful now, but no surplus; they sold at \$1.50 per 100 and went up for St. Valentine's day to \$2 per 100. Bulbous stock, jonquils and narcissus are good, but tulips so far have been a failure and a big loss to the growers. It seems the bulbs were not ripe or dry enough to export from Holland last year and the growers in Holland ought to stand for part of the loss. We have passed through the hardest winter weather we ever had. From December 1 to January 10 we had continuous cold weather and no sun, and the coal men put the price way up; coal which sold for \$2.35 f. o. b. here went up to \$3.85 per ton. We paid a premium of at least \$800 in six weeks; now coal is at normal rate again. For a while it looked as if we could not get any coal; it's nothing more than a holdup. We are having now the best kind of weather, plenty of sunshine and cold at night and it will soon tell on the roses. Pot plants were good all winter; azaleas, cyclamens, cinerarias and primroses never looked so well and they sell well at

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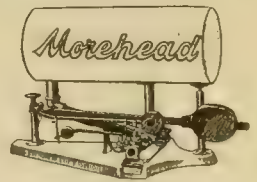
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Let us put your name on our list of "satisfied users." Our "Trap Book" sent on request.

**MOREHEAD M'F'G. CO.,**

Dept. N, Detroit, Mich.

good prices. We had some camellias, but they are not a profitable plant to handle. Sweet peas are plentiful and bring \$2 per 100.

NOTES.

We have not heard of any one building this year, except J. F. Wilcox, who has bought 1,800 boxes of glass. Hess

& Swoboda may rebuild all their east houses on the west side, 17 old houses.

On February 2 our city lost one of its wealthiest citizens, and all the florists were very busy. Among the many pieces was a casket cover of violets and sweet peas by Hess & Swoboda.

GRIPPE.





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Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market.

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**Florists' Supplies.**

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**PERFECT  
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—ALSO—

Thomson's Special Chrysanthemum  
and Topdressing Manure.

Freight paid on quantities. Write for our  
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*green flies and  
black ones too*  
are easy to kill with  
**The Fumigating Kind  
Tobacco Powder**  
\$3.00 per bag 100 lbs.  
Satisfaction guaranteed or money back;  
why try cheap substitutes that makers do  
not dare to guarantee?  
**THE H. A. STOOHOFF CO.,**  
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**CUT FLOWER BOXES**  
**EDWARDS FOLDING BOX CO**  
MANUFACTURERS  
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## Florists' Refrigerators

Write us for catalog and prices, stating  
size you require, and for what kind of cut  
flowers you wish to use the refrigerator;  
also state whether you wish it for display  
or only for storage.

**McCray Refrigerator Co**

960 Mill Street, KENDALLVILLE, IND



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## HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOG AND DISCOUNTS.

**A. H. HEWS & CO.**Established 1785,  
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FOR OUR

## Florists' Red Pots

Is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We ship over five lines of railroad by river or interurban. Write for catalogue showing all the articles we make for florists' use.

THE PETERS & REED POTTERY CO.  
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## Standard Flower Pots!

Packed in small crates, easy to handle

| Price per crate              | Price per crate             |
|------------------------------|-----------------------------|
| 1500 2-in., in crate, \$4.88 | 144 6-in., in crate, \$3.16 |
| 1500 2 1/4 " " 5.25          | 120 7 " " 4.20              |
| 1500 2 1/2 " " 6.00          | 60 8 " " 3.00               |
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| 800 3 1/2 " " 5.80           | 48 9-in., in crate, \$3.60  |
| 500 4 " " 4.50               | 48 10 " " 4.80              |
| 456 4 1/2 " " 5.24           | 24 11 " " 3.60              |
| 3.0 5 " " 4.51               | 24 12 " " 4.80              |
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Seed pans, same price as pots. Send for price list of cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY: Fort Edward, N.Y.

or AUGUST ROLKER & SONS, New York Agents  
31 Barclay Street, New York City.

Glen Cove, N. Y.

The regular meeting of the Nassau County Horticultural Society was held in Pembroke hall, February 9, with over 40 members present, and President Duthie in the chair. Six applications for membership were received and C. H. Hyde, Roslyn, was elected a honorary member. The schedule for the summer show was approved, date and place to be decided later. The dahlia show will be held September 28, and the schedule for the same was accepted. Stumpp & Walter Co. offered a silver cup for our fall show, and at our last dinner Geo. Burnet offered \$25 as prizes for the same. The next meeting will be rose day, and three prizes are offered for best three white, three pink, and three any other color, respectively. Vice-president Reidenbach also offered \$5 for the best two vases of sweet peas. Geo. Wilson's essay on "Carnations" was a treat for all. It certainly deserved a first place among writings on the same subject. Messrs. Mackenzie, Marshall and Johnston acted as judges and their decision was as follows:

Twelve white, V. Cleres, first, with White Enchantress; 12 pink, A. Robertson, first, with Enchantress; 12 mixed, V. Cleres, first, Imperial, Winsor and Enchantress. Cultural certificates were awarded to the following members: W. Eccles, for vase of Winsor, also vase of Mrs. Chas. Knopf; Henry Gaut, for vase of sweet peas; E. Reidenbach, for two beautiful cyclamens; A. Robertson, for vase of Enchantress. Honorable mention

Use our patent  
Iron Bench  
Fittings and  
Roof Supports.

THE JENNINGS<sup>IMPROVED</sup>  
IRON GUTTER.

IMPROVED VAPORIZING PANS

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VENTILATING  
APPARATUS.

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Porosity and Strength  
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"STANDARDS"

Full size and wide bottoms.

BULB PANS and AZALEA POTS

DETROIT FLOWER POT M'Y

HARRY BALSLEY,  
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490 Howard St.**GEO. KELLER & SON,**

Manufacturers of

**Red Pots**

Before buying write for prices.

2614-2622 Herndon St.,  
CHICAGO.

was awarded to F. Petroccia for a plant of Primula Kewensis and to E. Reidenbach for a vase of freesias. At the next meeting, E. Johnston will give us an account of his travels across the sea during his last vacation. O. E. A.

Denver.

Business, since the new year has been very brisk; but roses have been off crop; carnations have also been scarce, bringing at wholesale from four to six cents and roses from six to 15. Roses are still scarce. The weather has been very severe the past week.

The wife of N. A. Benson, 1360 South Sherman avenue, died February 7 and was buried February 11 at 2 o'clock. There was one of the finest displays of designs, artistic bouquets, etc., that one would wish to see anywhere. Funeral services were held at Horan's undertaking parlors, in the chapel, and was attended by all of the retailers and growers of the town. During Mrs. Benson's long illness from tuberculosis Mr. Benson has been wonderfully devoted to his wife. He is one of the most prominent and popular men in the trade and has had the sympathy of all in his wife's illness and death.

## Iron Reservoir Vases

AND

Lawn Settees

Manufactured by

**McDONALD****BROS.,**

COLUMBUS, O.

The largest manufacturers of these goods in America  
Send for catalogue

Mention the American Florist when writing

SYRACUSE  
RED POTS

Prompt shipments guaranteed. We have a large stock of well made and well burned pots on hand for the trade of 1910. Our terms are as good as the best. Our catalogue on app lic

SYRACUSE POTTERY CO.

SYRACUSE, N. Y.

## Kramer's Pot Hangers

For sale by Wholesale Seedsmen, Florists  
and Supply Dealers.Price, \$1.00 per dozen by express. mple  
dozen by mail, \$1.25.**I. N. KRAMER & SON, Cedar Rapids, Iowa**

The Colorado Florists' Club met February 10; the meeting night is the second Thursday in the month.

Emil Glauber and J. A. Valentine have just returned from the carnation convention.

T. D. Long, of the Elitch's Gardens, is in New York at present on business.  
PLATTE.



# Why Not?

repair your split or leaky pipes with

## Ideal Pipe Clamps



Manufactured by

**WM. MOLL,**

1664 Columbus Rd.,

CLEVELAND, O.

Seattle, Wash.

Trade for the month of January was very dull, the weather being cold and cloudy and flowers were scarce; carnations are very weak-stemmed yet. A few bright, sunny days will soon start business up again.

On the evening of January 24, a majority of the members of the Florists' Society met at the College inn, corner Pike street and Third avenue, and had a very enjoyable smoker. The chair was occupied by J. W. Thompson, superintendent of parks, and president of the society. After eating and drinking of the best, a hearty vote of thanks was returned to George Antenen, proprietor of the Seattle Floral Co., for the able manner in which he got up the entertainment, he being a committee of one to look after the eatables, etc., for the occasion. After the tables were cleared the president asked those present what they intended to do with the society, whether to dissolve or to start and see if we could not make good. It was talked over by all present and voted to dissolve the society and empty the treasury as the dollars there were rusty and in the near future to call all interested in floriculture and horticulture to become members of a new society and have a good live healthy club of young active members who will enthrone new life into it and make it a credit to one of the best cities on the Pacific coast. It only needs a good chrysanthemum show to get the public interested in cut flowers and plants.

J. C. R.

Oslo, Fla.

The cold weather during the early part of January did great damage in some sections here, more to the pine-apples on the east coast than anywhere else. Oranges were not hurt below 27° of latitude, but in the northern part of the state most of the fruit is frozen and unfit for shipment. Truckers generally have had very poor results this year.

Axel Hallstrom returned February 1 from a very pleasant visit to Scandinavia. He says he finds that conditions over there are away behind those obtaining in this country. The climate there is not so good for cut-flower growing, but trade, generally, was good, especially in bulbous flowers.

H.

CAMBRIDGE, MASS.—John E. McKenzie is now recovering from a disabled foot from which he has been suffering all winter.



These are the houses, 163 x 30, 7-foot sides, at Baldwin, L. I.

## Never Had a Broken Glass, While his Neighbor's Houses Nearly Blew Down

It was during one of these near blizzards this month. Mr. Geo. Schuneman's houses are open to a clear wind sweep for miles. When our man went down after the storm there wasn't a cracked glass in all three houses, and they were as clear of snow and ice as on a summer's day.

The other fellow had a truss house (not an extra wide one, either.) When the wind struck his house, he thought sure it was going down—now he has planted a windbreak to save it.

It's these straight from the shoulder facts brought out by real tests that show just how good and staunch the Hitchings houses are. It will pay you many times over to put up Hitchings houses. Let us hear from you.

**Hitchings & Company** 1170 Broadway New York  
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All of the above in good condition, for heating service only.

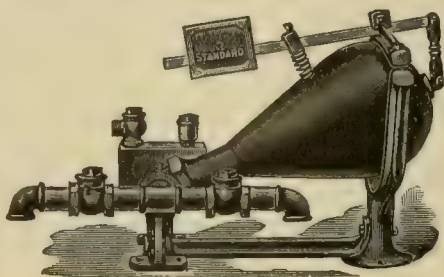
### Louisiana Red Cypress Hot Bed Sash

|                                                                     |              |
|---------------------------------------------------------------------|--------------|
| 20,000 Glazed Hot Bed Sash, painted, 3x6 ft., 1st quality soft Pine | Each \$ 1.50 |
| 40,000 Glazed "Louisiana Red Cypress" sash, 3x6 ft., best quality   | Each 1.65    |
| Complete Hot Bed Outfits, including subframe, top frame and sash,   |              |
| 6x6 ft., 34-in. deep                                                | Each 7.98    |

Send for our new 500-page Catalog No. 47. Free upon request.

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35th and Iron Sts., Chicago.



## The Standard Steam Trap

Has established a record far above that of any other trap for florists; being very simple, durable and easily taken care of.

Catalogues of the Trap, Duplex Gutter, and Standard Ventilating Machinery, mailed free upon application.

**E. HIPPARD, Youngstown, O.**



# THE AMERICAN FLORIST



*America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."*

Vol. XXXIV.

CHICAGO AND NEW YORK, FEBRUARY 26, 1910.

No. 1134

## THE AMERICAN FLORIST

TWENTY-FIFTH YEAR.

Copyright, 1910, by American Florist Company.  
Entered as Second-Class Matter Nov. 11, 1891,  
at the Post Office at Chicago, Illinois,  
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY  
**AMERICAN FLORIST COMPANY,**

324 Dearborn St., Chicago,  
Long Distance Phone: Harrison 7465.

Eastern Office: 1133 Broadway, New York.  
Philadelphia, Pa.: Robt. Klft, 1725 Chestnut St.  
Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a  
year; Canada, \$2.00; Europe and Countries  
in Postal Union, \$2.50. Subscriptions  
accepted only from the trade. Vol-  
umes half yearly from August, 1901.

Address all correspondence, subscriptions, etc.,  
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WM. F. KASTING, Buffalo, N. Y., Treas. Next  
meeting at Rochester, N. Y., August, 1910.  
Second National Flower Show, Boston, Mass.,  
March, 1911.

### THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at  
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### AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at New  
York, March 16-18, 1910. AUG. POEHLMANN,  
Chicago, President; BENJAMIN HAMMOND, Fish-  
kill-on-Hudson, N. Y., Secretary.

### AMERICAN PEONY SOCIETY.

Seventh annual meeting at Horticultural Hall,  
Boston, Mass., June 1910. B. H. FARR, Reading,  
Pa., Pres.; A. H. FEWKES, Newton Highlands,  
Mass. Sec'y.

**Turn Your Surplus  
Stocks Into Cash  
By Advertising In the  
Ready Reference  
Department.  
See Page 249.**

## THE WEEK AT PEACEFUL VALLEY

By The Optimist.

### A Busy Time.

There is plenty of work to keep all hands busy. With thousands of small plants needing a shift, cuttings going into the sand and coming out, seedlings to be pricked out, together with the regular routine, there are not many leisure moments. In repotting our geraniums, we had started throwing away the tops, as we did not need them, and we were so badly overstocked that we were tired of the sight of geraniums, but we had a chance to sell a few thousand unrooted cuttings, and the chance made us as happy as the finding of so much money. Wonder if that wouldn't be about the best way to handle geranium cuttings, that is, sell them unrooted! Surely it would seem best for the purchaser. Geranium cuttings can be shipped anywhere, if not more than 48 hours enroute, packed dry and light, and arrive in about the right condition to go right into 2-inch pots. The purchaser pays a minimum price and roots the plants himself. Years ago we used to buy unrooted geranium cuttings from the late Mrs. Theodosia B. Shepherd, in California, but the shipper persisted in wrapping them in damp moss, with the consequence that the cuttings were mostly rotten when received. If they had been wrapped dry, in waxed paper, I have little doubt they would have come through in good condition.

### The Boston Club.

There was a nice show of new varieties at the carnation meeting of the Boston Florists' and Gardeners' Club, February 15. Among those that attracted special attention were Mrs. C. W. Ward and Alma Ward, the latter a grand flower, though I was told by an expert that the blooms shown did not come up in size to exhibits of the same variety made some years ago. Another white that took my eye was Granite State, from Brother Buxton, Nashua, N. H. I like its shape, size, and especially its fragrance. If it looks as good to me when ready for introduction, I will buy at least a

dozen of it. Other varieties shown in good form were May Day (evidently a fine thing for the retail grower), Shasta, Red Prince, and several promising seedlings from M. A. Patten and A. Roper.

### Parcels Post.

Resolutions protesting against government free seed distribution and in favor of a parcels post were adopted at the meeting. Of course resolutions passed by this club, or any other organization, can do no harm, and may help a little bit. But in my humble opinion the way to materially advance either cause would be by direct appeal of the individual voter to the individual congressman. One letter, or a dozen letters, might be ignored by your servant and congressman, but if he were to receive an avalanche of thousands of letters, say on the subject of parcels post, he would probably wake up to the fact that there was "something doing." Will your congressman ever receive such an avalanche of letters? Not in your lifetime, gentle reader. The free and independent citizen is too busy grumbling about these matters to have time to write such a letter.

### Novelties.

As usual we, this year, bought seeds of a number of novelties from European seedsmen, and, also as usual, we found the percentage of germination very low. Why is it that invariably seeds of standard varieties from European sources give a percentage of 70 to 90, while the novelties rarely give 25 per cent germination? If you can't afford to give us 15 good seeds for 25 cents, gentlemen, why then charge us 50 cents, but please don't give us five live seeds and 10 dead ones.

### That Saucy Meat Trust.

We've been having a meat boycott around Boston the past few weeks and the result would be laughable if it were not rather pathetic, as showing the utter helplessness of the people—that is, the easy-going American peo-



ple, not necessarily all peoples—when engaged in a contest with their rulers. The No Meat club obtained a fabulous number of signatures to an agreement to buy no meat for two weeks. The next move was by the trust who promptly cut down the shipments of meats to Boston one-half and at the same time advanced the prices. They also more than doubled the shipment of cattle to Liverpool, from the port of Boston, as compared with the two weeks preceding. No pretence there, you see, that prices are governed by the law of supply and demand. Was there ever a more arrogant challenge to the people? Aren't you rather proud to be one of such a people? As to The Optimist, the more he sees of some people the more he respects his dog.

### The Spring Business.

Indications, for this part of the country, point to a big spring trade, but with supplies considerably in excess of all requirements. Wholesale prices have ruled exceptionally high for the past two months. There has been a pronounced shortage of good carnations, roses, and bulbous flowers of all kinds. I think the average for January, 1910, breaks the record for any January within my memory. If the growers had a smaller cut the advanced prices certainly made up. This shortage points to a greatly increased output in the weeks to come. The plants that were off crop in January will produce the goods in March. Retailers will welcome the return of more moderate prices. There is neither fun nor money in retailing flowers when prices are at the top notch. On the other hand a pronounced glut is deprecated by grower and dealer alike. It cheapens the business as well as the flowers. That a glut of violets is already here is evidenced by the advertisement of a large department store, offering a bunch of 50 violets, with foil, cord, special box, and free delivery, for 50 cents.

### Asparagus Plumosus Injured.

ED. AMERICAN FLORIST:—

What causes the injury to the *Asparagus plumosus* enclosed? There are centipedes in the bed. Would they cause it? C. A. M.

Malnutrition is probably the cause of the poor color in the fronds of asparagus sent, but what has caused this we cannot say without knowing anything of the treatment given. We do not think that centipedes would cause the injury. Two little or too much water causes a yellow shade, the one because of too little moisture being supplied to the plant's system, the other, by making the roots inactive, weakening them and preventing their carrying out their proper functions. The browned tips may have been caused by excessive fumigation or owing to general weakness of the plant. Anything that prevents free root action, say a close, heavy, moist soil or one through which air and water cannot move freely will cause the growth to be unsatisfactory. "C. A. M." will be the best judge as to what is wrong in his case. G.

VANCOUVER, WASH.—A. Hanson has sold his business and greenhouses to L. Gillott.

## THE RETAIL TRADE

### Basket of Azalea and Lilies.

SEE SUPPLEMENT WITH THIS ISSUE.

Azaleas are among the brightest and showiest of pot plants, either for individual use or for using in connection with other plants in baskets. Alone they have the fault of being rather flat and they need something lighter and more graceful to relieve this. Among the best things we know for this purpose are rambler roses in colors, that do not clash with those of the azaleas, Easter lilies and most of the varieties of bulbous stock, such as narcissi and daffodils, hyacinths, tulips and others. Plenty of green plants are also necessary to prevent the garish effect which is produced by the use of azaleas alone. Graceful little palms of the cocos and areca order, *Panicum plicatum* or any other fairly tall, slender-growing subjects are fine for use in the center of the baskets, while for the edges, small ferns of the pteris or ribbon order, pretty little pieces of silk oak, or even *Cyperus alternifolius* are suitable.

The demand for baskets is largest around Christmas and Easter, and there is a disposition on the part of customers to prefer them rather more closely filled than is best, from an artistic standpoint. This crowding is bad in two ways: It uses more stock than is necessary and has not so good an effect, but retailers are powerless in the matter when those who are "paying the piper" reserve the right to "call the tune." The only thing to do

the needs and likings of those who are paying for them.

The customer may like a basket stuffed so full that hardly a plant in the lot can be picked out or seen individually. We have heard people gush over the beauty of an old-fashioned bouquet in which the flowers were so closely jammed that one could hardly insert a lead pencil between them. Their wishes have to be met, but this does not prevent a retailer endeavoring to lead up to something better, provided it is done in a tactful way, almost by suggestion, as it may be termed. Each plant in a basket, like each flower in a bouquet, should be so placed that it can be seen individually and is not part of a conglomeration of leaves and flowers without rhyme or reason. Always have such baskets on show, but be prepared to make the other (any other) kind that customers may fancy.

### Some Good Window Displays.

The illustrations on pages 212-213 show two pretty window displays put up by the Idle Hour Nurseries, Macon, Ga. The one in which the church is shown was a Thanksgiving window. The church was made of wood with trimmings of rattan, the stained glass window in the end being colored with paints of different tints. Green moss was used over old boxes to form the hill on which the church stood and Japanese gravel was used for the walk, cork bark for the rocks, rattan for the fence, and on the card was written "Thanksgiving services 11:30 and 7. All welcome." Dolls were used



PILLOW OF VIOLETS AND EASTER LILIES WITH VIOLET RIBBON.

By Young & Nugent, New York.

is to put up a few baskets in a more artistic manner, i. e., less crowded, and let customers choose between these and the heavier arrangements they are used to see. In a great many instances, especially with the better class of customers, the lighter arrangements will be chosen, and a taste for this kind of thing will be gradually cultivated. It is useless trying to force it. Retailers of flowers, like retailers of any other kind of produce, have to adapt themselves and their wares to

to represent people going to church and miniature electric lights were used to light the church at night. The church had pews and a pulpit made of cardboard and the floor was painted red.

The other window represents a country house and a fish pond, containing minnows and gold fish. A nigger boy, fishing with rod and line, had a card hung around his neck with the words "My idle hour" upon it. The tank which held the water was made





BASKET OF AZALEA, EASTER LILY, HYACINTHS AND PTERIS.







of wood and zinc lined. The railings were split rattan and the steps were painted white leading to the house. The house was made of wood, the trimmings of split rattan, with glass windows, the interior painted red, the exterior white and green. Red lights were used inside and Japanese trees on the veranda, the walk was white gravel and rocks of cork bark. The whole outfit was the work of the firm's designer, H. G. Evans, who has worked in nearly all parts of the world. He worked for Wills & Segar, South Kensington, London, Eng., where he learned a great deal to his advantage, and has certainly displayed his talent since coming to Macon.

### An Elaborate Chicago Wedding.

Through the courtesy of Canger & Gormley, of State street, Chicago, we are enabled to give an outline of what they are going to do at the wedding of Miss Schuttler to Myron A. Wick, treasurer of the Delaware Steel Co., which takes place at the bride's home, 1365 North State street, March 2. We saw the order of the bridegroom for the bouquets. The bride will carry a bouquet of white orchids, while cattleyas will be used in those carried by the maid of honor and the four bridesmaids. The men will wear gardenias.

The couple will be married under a bower composed of natural grape vines, from which will hang bunches of Black Hamburg grapes, and interspersed with these will be growing orchids, the whole being lit, on the approach of the bride and bridegroom, with small incandescent electric lights. Other rooms will be treated with *Asparagus plumosus* with garlands of sweet peas, the mantels, book shelves and other prominent places in the rooms being banked with growing spring flowers. In the dining room the same thing will be carried out on two pedestals, one each side of the window, these being surmounted with large baskets of spring flowers and garlands of the latter brought down right to the floor. This room will be treated with *Asparagus plumosus* and White Killarney roses, the roses being arranged in a natural manner as if growing out of the asparagus, the whole forming a kind of artificial ceiling. The pedestals referred to will also be lit with incandescent glow lamps, the whole scheme being white and green with this exception. In the buffet the table centerpiece will be of White Killarney roses and white lilac, and as the firm has been given carte blanche in the matter of expense there is no doubt that with its clever decorators and long experience with this class of work this will turn out to be the best and most elaborate wedding decoration that has been arranged in the city for many years.

### The New Bouquets.

Old-fashioned bouquets of flowers, stiff and regular, the kind our grandmothers loved, are again in vogue. And now, instead of wearing violets and lily of the valley on every occasion, such flowers as are selected are being carried in the hands, and if the bunch can be placed in a gold or sil-

ver bouquet holder so much the better. This change is partly due to the fact that slightly damp flowers have ruined so many gowns and that larger bunches are now in demand. They are awkward if pinned to the corsage, and to wear at a dinner table are almost impossible.

The newest way of arranging flowers is formal, as one will realize by this description. One bouquet that was sent recently to a debutante was composed of tiny pale pink roses, with alternating rows of small white buds. The center was a tight little round mass of pink, then a circle of white, only one bud deep. About that was another circle of pink, and so the two continued, alternating until the bouquet was 12 inches across and as hard and round as any cabbage. Flat green leaves made a severe outer border, with a final rim of fancy, scalloped lace paper.

Bunches of pansies are fads of the moment, though for the older rather than the younger woman. Persons wearing mourning affect bouquets made of the varying purples in which the flower excels, but when used with colors the blossoms are selected with the variety in which they grow. Lily of the valley and violets continue in favor, but are arranged differently than in previous seasons. The white flowers are made into a close bunch for the center of a purple heel, with outer green leaves. These, when small, are pinned to the corsage, but if more than six inches across are carried in the hand.—Washington Star.

### St. Valentine's Day in the New York Stores.

Though most of the retailers agree that trade was better than last year on St. Valentine's day, some even going so far as to say that it was 50 per cent better, there was but little effort at elaboration. It is presumed that the customer must be content with what he can secure. A man well known in the trade recently said in effect to the writer, there is always a demand for novelties, but we do not feel that the volume of St. Valentine's day business warrants us in going to much trouble to supply novelties. Nevertheless, it seems that the experiment would be worth trying. Red roses and violets seemed this year to be the most popular stocks for valentines. A few hearts of roses and violets were seen, but nice boxes of loose flowers were the rule.

Thorley sent out a number of novel bouquets which were a happy blending of old and new styles. It has been previously noted that the old-fashioned bouquet holder is again coming into use. In these bouquets the holders were a draping of chiffon with showers of baby ribbon. One of these bouquets was made of *Enchantress* carnations and lily of the valley with pink chiffon holder or draping and pink baby ribbon. Another was composed of marguerites, violets and lily of the valley with showers of Nile green ribbon and cover of chiffon of the same tint. A third was red roses, white lilac and *cyripediums* with a miniature bouquet on the draping of lily of the valley, violets and prim-

roses; holder and showers of Nile green. These bouquets were of a convenient size, attracted much attention and sold well.

### A Nasturtium and Some Profit.

Several years ago a new variety of nasturtium was introduced under the name of Chameleon and at that time being in Ohio in a retail business that required nearly every thing a florist handles I always grew a bunch of potted nasturtiums for vases and boxes. My ideas favored trying Chameleon, so seed was procured, expensive though it seemed and in due time a very fine bench of beautiful plants and flowers was the result. Among them were several specially beautiful, one of which threw a large and very rich crimson flower. The tip was cut out and flower taken out then I set the plant aside to be reserved. The season passed, the other plants were disposed of and an eye kept on the "crimson beauty." It was set out on a bench in a very good location where it did fairly well—considering some neglect. For awhile the flowers came, all with the intense richness of crimson that was very uncommon. When passing it one day we noticed some very rare canary colored yellow among the foliage and no other color in sight. They were beautiful and large and very sweet scented. They were kept cut off closely—our intention being to "set" a liberal number of blooms for seed. Thinking the time proper—having branched the plant liberally, we let them alone. When they flowered, almost every color from the canary to the rich crimson appeared. Some of the seed was saved and in the fall the plant was cut off right next the soil that had been left for the sake of it when refilling the bench. Ere long it put up a new shoot that looked so nice it was left. Buds soon appeared, the top was cut back and part of the leaves cut off. It threw up many and varied and exceedingly rich flowers and when we saw there would be a few dozen in for Christmas we gave it special attention. There were about 50 of them, which made a most beautiful bunch. As soon as they were placed in the window in the store a customer hurried in and asked for them—threw down a dollar—wished them wrapped up quick, asked where she could get some more; then hurried on her way. The thought struck me that 25 cents a dozen and a dozen nearly every day as they promised was not bad pay for the space so we decided to try what it would amount to. The plant bloomed well and they were readily sold at 25 cents per dozen for awhile, then later at 15 cents, and finally a nice bunch at 25 cents. We kept a careful record and the plant returned \$6.60; besides I had the pleasure of several beautiful bunches of them on my own table.

When we moved from Ohio to Tacoma, Wash., we misplaced the seed from that plant so that I never have found it and although we procured more seed of the same name we never found a plant to equal that one in its richness of color and variety. One thing peculiar to it was that the foliage ranged from bronze to light green.

TACOMA.



## FLORISTS' PALMS.

### Palms Green and Variegated.

That the merits of a new palm are not always promptly recognized in the trade, may be noted in the case of *Phoenix Roebelini*, this plant only becoming popular during a few seasons past, though introduced from Siam in 1889. Probably the first plants of this species that were exhibited in this country were some imported specimens shown by Pitcher & Manda at one of the shows held in Madison Square garden, New York, about 1890, and the plants in question were not nearly so ornamental as those shown during the past year at the metropolitan shows, from the fact that the latter were young plants without any bare stem and thoroughly furnished with foliage, while the original plants noted above were much more mature specimens. The mature specimens of *P. Roebelini* show a rather slender, bare stem, with a head of fronds at the top, and frequently some suckers around the base, the plant in that condition being rather more odd than pleasing.

From a commercial point of view such a plant does not compare favorably with the fountain of dark green, feathery foliage that is presented by well-grown young plants in 8 to 10-inch pots, such as are frequently seen in these latter days. It is not to be wondered at that this palm has met with much favor, for few are more graceful or more enduring among dwarf palms and, since the seeds have been offered more freely, large quantities of the plants have been in course of preparation for the market. As to whether *P. Roebelini* will prove to be a very profitable palm to the grower or not, is yet an open question, for the plants are slow in growth for the first two or three years at least, and in these days of rapid-fire business this seems like a long time to wait for results. This palm has been frequently mentioned, as in the present article, as a species, but in the opinion of the botanists this is not strictly correct, as they hold that it is simply a variety of *P. humilis*. But be this as it may, it is a beautiful palm, and one that may be safely recommended by the retail florist to his customers, being fully as hardy as a *kentia*, and effective in any position to which a compact and bushy palm is adapted.

That *P. Roebelini* is simply a variety seems quite reasonable when we take into consideration the number of variations and hybrids that have appeared in this family of palms. For example there is *P. cycadifolia*, a very stiff and cycas-like form of the common date (*P. dactylifera*), also *P. melanocarpa*, a large edible fruited form of *P. Senegalensis*. Then there are *P. hybrida*, *P. intermedia* and *P. compacta*, all of which are garden hybrids, to say nothing of the various variegated forms that have appeared from time to time, among which *P. rupicola variegatis* is one of the most notable. In fact, almost any large grower of palms could readily pick out a number of unusual forms from a batch of seedlings, some of these being of unusual coloring, such as the red-stemmed form of *Kentia Forsteri-*

*ana*, sometimes known as *K. Mooreana*, or the light green form of that palm, with long and narrow leaflets, that some years ago was called *Kentia australis*. *K. Belmoreana* is also quite variable, both in coloring and in form, and it may be mentioned in passing that some of the botanical authorities claim that *K. Belmoreana* itself is only a form of *K. Forsteriana*, so there you are. Botany and botanical nomenclature are both fascinating to some of us, but it is likely to mix us up when someone breaks out with the statement that these plants are not *kentias*, but should be called *howeas*, even though the statement is undoubtedly correct.

And then that beautiful palm that we first knew a quarter of a century ago as *Kentia Canterburyana* is neither a *kentia* nor a *howea*, but ought to be known as *hedyscepe*. This latter palm is quite a good example of a botanical mix-up, from the fact that it thus far has had at least four generic names, being known successively as *veitchia* (after John Gould Veitch), *kentia* (in honor of Lieutenant Kent of the British navy), *howea* (from Lord Howe's Island, where it is native), and now *hedyscepe*, the latter being of Greek origin and indicating sweet covering. It seems likely that the last is the best name

for this palm, but yet it will be a long while before it becomes as popular as one of the early names. Mention has been made of the fact that variegated palms are not uncommon, though these freaks are seldom of as strong constitution as the species from which they have sprung, and in many cases are either short-lived or else revert to the original green type. One of the most attractive of variegated palms is *Rhapis flabelliformis variegatis*, in which the stripes of clear yellow contrast well with the dark green of the remainder of the leaf, and, although this plant is a slow grower, it retains its variegated character better than most of the variegated palms with which we are acquainted. Propagation of *rhapis* being usually accomplished by means of division, it is a slow process to get up a stock of the variegated form, and consequently it is seldom met with in commercial collections. Variegated *kentia* seedlings appear from time to time, some of them nicely striped, and similar freaks are occasionally found among *Areca lutescens*, and *Livistona Chinensis*, in addition to the golden form of the latter palm that is sometimes catalogued as *Latania Borbonica aurea*, the last named palm having a yellow coloring over the entire plant. But, generally speaking, palms are



WINDOW DISPLAY AT THE IDLE HOUR NURSERIES' RETAIL STORE, MACON, GA.

"My Idle Hour" is the Legend on the Negro Boy's Placard.



more beautiful, and more satisfactory, in their natural coloring than with variegated foliage, and apart from botanical collections there is not much demand for these curiosities.

W. H. TAPLIN.

### Palms Unsatisfactory.

ED. AMERICAN FLORIST:—

In November I shipped in some palms from Chicago, and they apparently arrived in perfect condition. I potted them into a size larger pot than they were taken from, used the same soil for all, and gave them all the same subsequent treatment. In about two weeks, however, the arecas began to show signs of dying, and they have continued along that line ever since. I examined the roots and found that all the substance had been drawn from them, leaving only the outer skin and a small hard core. The kentias have done nicely right along. If you can suggest any cause for this trouble I will be very glad to have you do so through the columns of your valuable paper.

R. A. N.

Areca are more tender than kentias and do not travel as well as the latter, especially if they have been grown rather warm. It is most likely the arecas in question were chilled in transit, if not actually frozen, and the damage would not show to any great extent for a few days after they arrived. These palms will also suffer in transit if packed in too dry a condition. The only thing that can be done with them is to keep them warm and moist, a night temperature of 65° being best for them.

W. H. T.

### Dracena Godseffiana.

When dracæna is mentioned the tall, single stemmed plants of the terminalis, Massangeana and similar species are usually thought of, but *D. Godseffiana*, is a totally different plant. Although this species has been in cultivation for a considerable period, having been introduced from the Congo by Sander & Son, the famous English firm, it has of recent years come more to the front as a plant for baskets and other ornamental use. It is prettily spotted with yellowish white on a deep green ground and the leaves are broadly lance shaped, quite different to those of all other species. *D. Godseffiana* is not by any means a difficult plant to grow, being easily propagated by means of the semi-ripened points of the shoots. Although it will grow in a very moderate temperature it may, if necessary, be given more heat when it will grow quicker and can be more freely propagated. A rich soil is undesirable, as in this the variegation is not so well brought out, but kept slightly pinched for pot room and in comparatively poor soil the leaves will color up beautifully and it is an elegant subject.

G.

LONG BRANCH, N. J.—The Elberon Horticultural Society held its annual banquet at the Deal County Club, February 7, and a most enjoyable entertainment resulted. The hall was finely decorated, the menu good and the speeches interesting.



THANKSGIVING WINDOW AT IDLE HOUR NURSERIES' RETAIL STORE, MACON, GA.

## HARDY HERBACEOUS PERENNIALS.

### Planting and Rearrangement.

While in the northern section of the country snow and frost still prevent anything being done on the herbaceous borders there are southern points where growers will soon be busy transplanting or preparing to transplant the forwarder species, making alterations to the borders, finishing those started in fall and adding new plants. Plants that have been wintered in frames or other protectors will be starting to grow and the sooner they are planted when this occurs the better. When preparing the whole or any portion of a border it is better to do a little and do this well than to attempt a lot and only half do it. The plants are usually in the ground for several years and, while the soil need not be made exceptionally rich with fresh manure, it should be deeply cultivated and plenty of good available plant food incorporated with it. Old compost from a rot heap, burnt earth and garden refuse, with a little lime and well decayed manure is a far better addition to the soil for these plants

than fresh manure, and such a heap should be in every place where hardy plants are grown.

It should be thoroughly incorporated with the soil, not just dug in the bottom, and the lower or subsoil should be well broken up with spades or digging forks, but not brought to the surface. Such work should never be carried out when the soil is wet or frozen, but when it is in a good workable condition. Soil moved in a wet state in early spring bakes up into lumps when the sun gains power, and anything planted in it has the roots exposed to the heat of the sun's rays and drying winds, making it difficult, or almost impossible, for the plants to obtain a good hold on the soil. When it is worked down finely, on the other hand, it settles more closely about the roots. And, by keeping a thin layer of dry soil on the surface, sun and wind are, to a great extent, kept out and the roots have a cool, moist medium to work in all summer. Any time that is lost in waiting for the soil to dry out sufficiently after frost or



rain is far more than made up in the shorter time needed to carry out the work, to say nothing of the increased health of the plants afterwards.

There is no time so suitable for transplanting and dividing up herbaceous stock of nearly all varieties as when the plants have made just a little new growth. The advancing growth acts as a stimulus to the roots, causing them to branch out and look for food and moisture to maintain the advancing leaves and stems. This, of course, serves to re-establish them and leads to a vigorous start that does not occur if they are transplanted, either before any growth has been made or after this has advanced so much that it suffers when the roots are disturbed. The latter time is probably the worst of all to move plants as, before they have time to recover, the heat of summer is upon them and they suffer accordingly. The early planting, after division, exposes parts of the plants that are not accustomed to it to cold, drying winds and light frosts that frequently occur in the early spring months, and for this reason we always apply a thin mulch of semi-decayed manure, strawy litter, leaves, or some non-conducting material that keeps the sun and wind away from the roots and young growth. This may appear a small matter to the inexperienced. As a matter of fact it is a most important detail that should not be neglected. Stock taken from protectors is more tender than open ground divisions and the protection in its case is even more necessary.

#### Plants for Memorial Day.

ED. AMERICAN FLORIST:—

You will confer a favor on many in the trade by publishing a table or list of plants that will bloom for Decoration day and the time required for them to bloom from the date of planting, giving dates.

H.

The number of plants that flower under glass around Decoration day is so large that we could not hope to do justice to the subject in a table as suggested. Not only is the number too great but all practical growers know it is impossible to give actual dates for planting in order to have plants in bloom by another given date. Many subjects have to be propagated months or even years, before they come to perfection in the greenhouses while, even with bulbous subjects such as hyacinths, narcissi and lilies, weather conditions have a great deal to do as to the length of time they take to come into flower after being introduced to heat. They are planted, of course, as early in the fall as the bulbs can be procured. Callas, which are much in demand at this time, bloom right along after once starting; they have no special season. Azaleas have to be kept quite cool to be in for Decoration day while hydrangeas will come with very little forcing if placed inside at New Year's. Easter lilies held back and started in February, will probably be about right while about two months forcing should insure rambler roses being in flower. Keep an eye on the cultural notes and suggestions that appear every week and if there is any particular plant or plants as to which any doubt exists write again, explaining the difficulty. A table such as you suggest could only be approximate in its dates and not of much service.

G.

## THE CARNATION.

SANGAMO is winning golden opinions wherever shown and the outlook for this variety is very bright.

"It's an ill wind," etc., and carnation growers have had it coming their way during the rose scarcity which has been so general.

WINSOR probably never showed better form than during the present season. Many growers prefer indoor to field culture for summer for this fine variety.

#### Holding Over Carnations.

ED. AMERICAN FLORIST:—

Can you give me any information regarding growing carnations through the second season? Does it pay? I have a fine house of Enchantress White Enchantress and Harlowarden. Would the blooms be as fine the second season? I am cutting pink and white with 24-inch stems and 11 inches in circumference, planted in the bench last June. Carnations do better with me planted inside in June than planted outdoors and then lifted. Our soil here is a stiff red clay.

Virginia.

G. T.

We do not advise growing carnation plants through the second season, finding that they do not do nearly as well as new stock. We have some plants now in their second season that were lifted from the beds and transferred to the field and again

brought inside at planting time but the results are decidedly in favor of the plants now in their first season. The older plants are noticeable by the growth being smaller and the blooms not up to the same grade as the first year plants. I have not had any experience with the Virginia climate but should imagine that it would be more difficult to carry the plants the second season there than here in the middle west.

C. W. JOHNSON.

#### Carnations Past and Present.

A paper read by W. H. Taplin, Brooklyn, N. Y., before the New York Florists' Club, February 14.

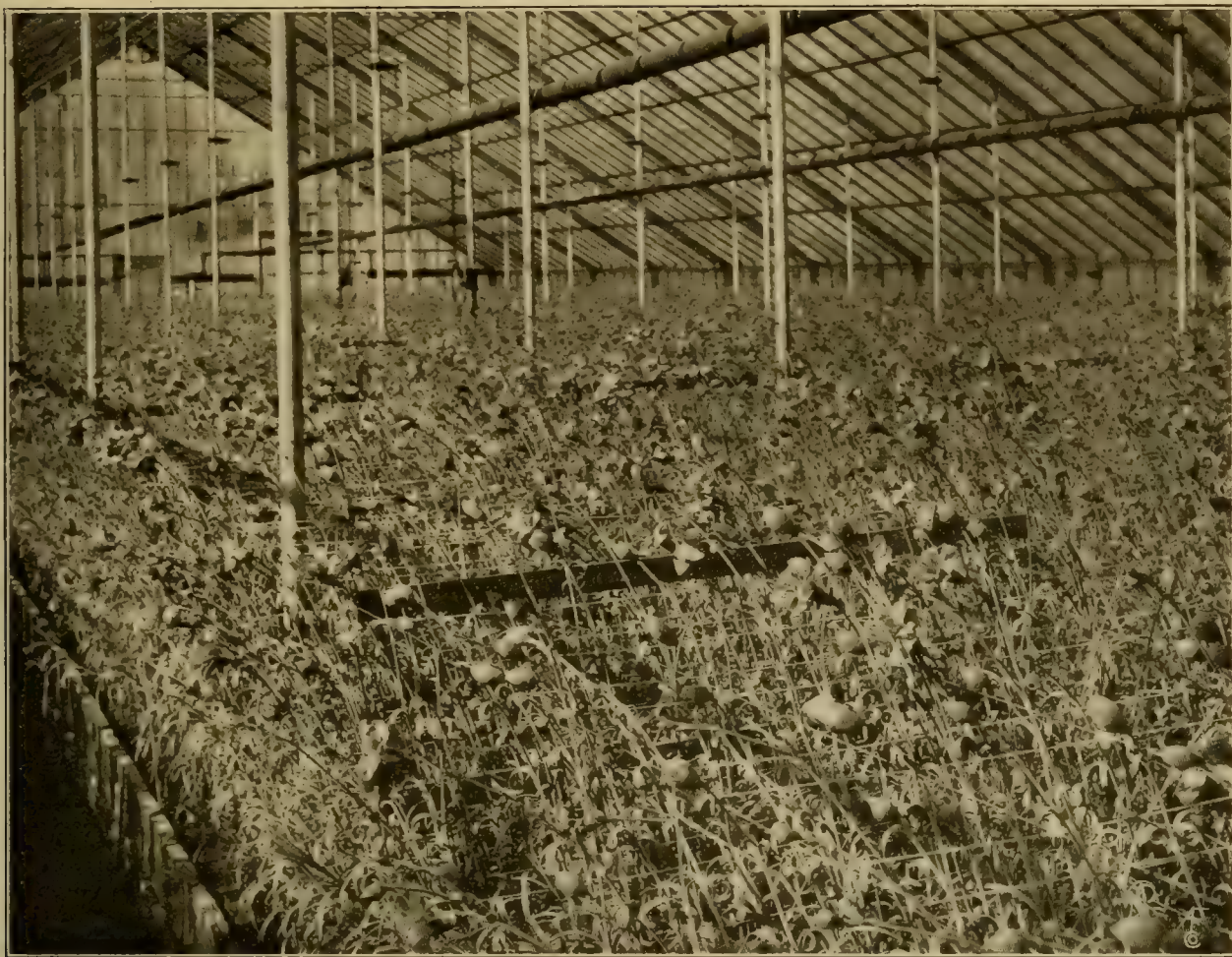
So much has been said and written on the subject of carnations and carnation culture during the past few years, and has also been expressed so well, that it seems scarcely possible that I may present anything new on this subject for the consideration of such an up-to-date organization as the New York Florists' Club. The literature of the carnation has become extensive, and there are doubtless many repetitions to be already found in it, so possibly a few more will be pardoned at this time.

That the output of carnations is steadily increasing will, I think, be readily admitted by anyone familiar with the wholesale trade of our city, and that there is no better market for high grade flowers will also be conceded by the majority, but it is also doubtless true that there are still



BOUQUET OF CARNATION WINSOR.





CARNATION MRS. C. W. WARD, PHOTOGRAPHED, FEBRUARY 7, AT THE COTTAGE GARDENS CO.'S GREENHOUSES, QUEENS, N. Y

many carnations sent into market that are far from ideal, either in size or condition, and the oversupply of such flowers breaks the market to such a degree that good stock is frequently sacrificed. It has been said that New York is the dumping ground for the growers of flowers in all the surrounding country at any time when the home markets of said growers become overloaded, and there may be some truth in that assertion, but at the same time one cannot blame the growers for hunting for a market and the commission men would probably not refuse to accept the trifling percentages that come their way from this outside business. But the New York market is critical in regard to carnations, as in other stock and it is more profitable to the grower to supply the varieties and the grade that the market calls for than to produce an ordinary run of stock.

To look back some 35 years and recall the varieties of that time, and then to glance at the carnations of today, gives room for thoughtful comparison: Astoria, Edwardsii, Peerless, DeGraw and La Purite were among the stock from which, in later years, an improved race sprang. In fact, it would seem that Astoria was the original parent of the most of the yellow varieties that have since been grown. But from DeGraw and Peerless down through the multitude of whites that have followed them up to White Enchantress and White Perfection shows

many strides of improvement, and what the next 10 years may bring forth we can only guess at. Possibly that traditional 4-inch flower on a free growing and free blooming plant may be among the good things the hybridizers will surprise us with. Then there have been the successive steps from Daybreak and Grace Wilder through the various shades of pink until Peter Fisher brought forth Enchantress, the most popular light pink of today, and in all probability the most widely grown variety in the carnation world. From Portia onward through the various shades of red there have been many changes. A red of the size of Portia, free blooming though that variety was, would not stand much chance in the market in comparison with Victory and Beacon and, according to the returns from Pittsburg, even these latter fine sorts are not in the same class in regard to size with Hoosier Lad, Dorner's latest triumph. But the majority of scarlet varieties have an unfortunate habit of being favorite hosts to the rust fungus, and Victory is no exception to the rule; in fact, it is decidedly the exception to find a bench of this variety that is free from rust.

Of course we all know that rust is not such a handicap to the grower as stem-rot, or spot, but at the same time it does not help the appearance of a carnation house, nor does it improve the stamina of a variety infected by it. In addition to this, Victory does

not branch very freely in the field, and as a natural result the plants are likely to be small at the time of lifting, but with all these drawbacks it is a fine flower, and a good keeper, and as such, sells readily. The later red, and I had almost said the favorite red of the present day, is Beacon, also a product of that clever hybridizer, Peter Fisher. It is a great record for one grower to have produced such a noteworthy trio of varieties as Mrs. Lawson, Enchantress and Beacon, all of which originated with Mr. Fisher, and while the west is undoubtedly coming forward at a good round pace in the production of new carnations, yet there may be many that "also ran," before such another team as that we have noted is brought forth. The evidence seems to be that Beacon is the most productive red in the market, and although it is not over-large, and with many growers is given to splitting badly during midwinter, yet it is a good Christmas color, and a free growing and thrifty variety, and in short "with all its faults, we love it still."

We have already mentioned Mrs. Lawson, that for several years was the leader in the dark pink class, and even yet is grown to some extent, this variety having displaced a number of others in various shades of pink. But Mrs. Lawson does not appeal to our market very strongly now, her place in turn having been taken by some later arrivals. Mrs. Lawson has, how-



ever, left a numerous family, and among them Welcome, Winsor and Variegated Lawson are still grown to a greater or less extent, and White Lawson may also be occasionally found, though these varieties are usually under the standard for length of stem.

Counting from La Purite, which I believe was introduced from Europe to this country by Dailledouze, Zeller & Co., and was the first pink carnation with which I had an acquaintance, there have been hosts of pink varieties launched on the sea of trade, and many of them have been wrecked on the rocks of criticism. But it is much easier to be a knocker than to produce the goods, and I think we should all give honor to the pioneers in the carnation trade who offered to the world for a proper consideration, in due course, such pinks as Grace Wilder, Wm. Scott, Albertine and others. The varieties we have noted were not perfect, but neither have those of the present day reached to that lofty standard, and even now there is room for a good dark pink, and there are more than whispers that such are on the way.

Crimson is not a color that is demanded in thousand lots in most markets, the most likely exception to this statement being found in the neighborhood of Harvard, but crimson carnations have been grown for a good many years when we count from Crimson King, and even now the crimson that are offered do not approach the size and vigor we find among the white and pink varieties. This fact makes us think that there is still room for improvement among the crimsons, and possibly may be found among the number of crimson seedlings that are being tried out. In some parts of the country Harry Fenn is still producing some good flowers but in our neighborhood this variety has lost its grip.

Patten and Variegated Lawson are probably the most popular of the variegated varieties, but neither of them can safely be counted upon to pay the rent, the first named being especially slow in blooming in the fall and early winter, though producing abundantly in spring. Bay State secured the gold medal last season, but from the accounts of several growers does not seem to produce much gold in the regular order of business. Among the fancy varieties of past years, Prosperity was the greatest success, and in its time brought the highest price of any, but now we would have to hunt for some time to get 100 flowers of Prosperity, for very few growers handle it. Toreador is a later variety of similar type to the last named, and though variable in color is a very attractive flower, on an unusually stiff stem.

Of dark pink and cerise there have been many novelties of late years, among them being Aristocrat, Afterglow, Rose Pink Enchantress and Dorothy Gordon, each of which has had, or still has, its champions, and each of which is beautiful in its own way, though the first three have all developed some disadvantages, and regarding the latter variety, most of us will know more in a year from now. Mrs. Ward and Alma Ward are both beautiful varieties, and have com-

manded good prices the past two or three seasons, and being on the market now may be tested by the trade in general. There still is room for a good yellow variety, for, strive as they may, the hybridizers do not seem to attain their idea in this line, yellow carnations, generally speaking, being either lacking in constitution or else not free in blooming, or under size, with the result that no yellow variety is now grown to even the extent that Eldorado was a few years ago. And now to sum up briefly, it may be said that in the opinion of an ordinary observer, and one that by no means claims to know it all, there is much that is encouraging in the progress that has been made in carnation varieties and culture during the past few years, for wonderful things have been done by Dorner, Fisher, Ward, Weber and other men of prominence in this department of our profession, and I fully believe that there will be quite as great achievement to chronicle in the next 10 years as have been witnessed in the past decade, for with increased knowledge and experience more systematic work will be possible in the future than has been accomplished in the past.

PHILADELPHIA, PA.—The Germantown Horticultural Society gave an exhibition of Chinese primroses, carnations, roses and plants in the lecture room of the local Y. M. C. A., February 14. Remarks on the plants and flowers displayed were given by the Rev. Francis Heyl, president of the association, and George Redles, the secretary.

## CHRYSANTHEMUMS

### Soil for Chrysanthemums.

ED. AMERICAN FLORIST:—

Will soil that has been used for two years for cucumbers be suitable for chrysanthemums? The soil was about one-third rotten manure when put in and some sheep manure added. It is sandy and light and ferns thrive well in it.

SUBSCRIBER.

We would advise mixing a little fresh loam with the soil and, if possible, let it lay outside one summer and winter before being used for the chrysanthemums. It may be rich enough but the addition of fresh loam will insure a more solid, better growth in the plants. If impossible to do this, fair results may be expected by the use of the soil as it is. G.

### Specimen Plants for Exhibition.

Plants intended for exhibition should be started along now and encouraged in every way to make a free sturdy growth. Clean, healthy young plants now in 2¼ or 2½-inch pots are ideal for this purpose. If growing freely, with the roots showing through the soil, they can be potted on into 4-inch pots. The soil for this potting should be light and loamy with about one-fifth well-rotted cow manure and a little sand added. Place a few small crocks in the bottom of the pots to keep the drainage and soil open, allowing for rapid root action. After potting, the plants should be set in a light, airy place as near the glass as possible, well watered in, then allowed



CARNATION HARVARD.



to stand for a few days until the soil shows signs of drying out. Syringing should be practiced every few days to keep down thrips and red spider, also to encourage a healthy leaf growth. As the roots take hold of the new soil growth will be very rapid and every day or two will find some little thing to do to keep the plants in perfect health and active growth. As soon as active growth commences attention must be given to topping back the shoots to produce a low bushy plant.

Any plants intended to be trained as standards or half standards should not have their main shoot pinched back but allowed to grow on until the desired height of the stem is attained when the work of pinching in the shoots should begin. Several plants will have to be started to obtain the right ones for standards, as many of them will not make a good clear stem and a number of the varieties have a habit of budding up at every shoot when a growth of 18 inches to two feet has been accomplished. Plants shifted into 4-inch pots early in February will be ready for another shift the early part of March. This should be into 6-inch pots. These should be well drained and a few pieces of charcoal placed over the crocks. The soil for this potting can be made richer by adding about a 3-inch pot full of a good fertilizer to about two bushels of soil and the plants potted firmly. After the plants get into 6-inch pots they require plenty of air space around them and a cool airy place to grow in.

The watering should be attended to as often as the plants require it but the soil should not be allowed to become saturated. By April 15 the plants will be ready for another shift into 8-inch pots, the standards will have attained the height necessary for the length of their stems and, from this time on, the work of pinching to form the heads should go on. The topping of the shoots of the bush specimens should also be followed up closely right along. Just at this time the suckers from the stools of the plants will be found to be very troublesome and, if the plants have to be grown with a clear stem above the soil, these shoots springing from the bottom must be removed. If there are no restrictions as to the number of stems then the suckers can be allowed to remain and be pinched back as they require it to help form the plant. Plants shifted into 8-inch pots around April 15 will be ready for their final potting about June 15. The size of pot to use for this potting must be governed according to that allowed for the purpose for which the plant is intended; 10, 12 and 14-inch are the sizes usually used for these large specimens and if the plants are well established and furnished with good healthy roots a shift from 8 to 14-inch can be carried out without any detrimental effect on the plants, providing extra caution is used until the roots again take hold of the soil.

The soil for final potting should be coarser and richer than that used for the previous pottings consist of well rotted cow manure one part to four of stiff clay soil with a little sharp sand added. Ample drainage is nec-



CARNATION AFTERGLOW.

essary. The topping back of the shoots on both bush specimens and standards can be carried on during the growing season until the middle of July when all topping or pinching of the shoots should cease and the process of training commence. The first thing to do along the lines of training these large plants is to place a few stakes throughout the plants to shape them and guard against any of the shoots becoming broken. This is a temporary measure; the final training should be done the latter part of September just before the buds appear. These specimen plants will repay liberal applications of liquid manure when they are in good health and their roots in active working order. Regular fumigations and continued spraying to keep down insects should be attended to at all times. A good selection to grow for exhibition is the following:

Bush specimens—White, Miss Clay Frick, Mutual Friend. Pink, Louis Boehmer; Wm. Duckham; A. J. Bal-four. Yellow, Golden Age; W. H. Lincoln. Red, Geo. W. Childs; Brutus; Matchless.

Standard specimens—White, Miss Clay Frick; pink, Wm. Duckham; yellow, Golden Age; red, Geo. W. Childs; bronze, J. H. Silsbury.

The single flowered varieties, together with most of the anomones, make

fine plants to grow into large specimens but they are more rapid in growth and do not have to be started as early as the large flowered varieties.

C. W. JOHNSON.

#### Poinsettia Culture.

A paper read before the Morris County Gardeners' and Florists' Society at Madison, N. J., February 9, by E. Reagan.

*Poinsettia pulcherrima* is almost indispensable for Christmas decorations and every gardener should grow a few for that purpose. I have never resorted to the planting out system on benches, although a good many are grown that way for cut purposes. The resting period beginning in January, lasts until the early part of May. The plants are cut back to within about two feet from the pots and then turned over on their sides, water being withheld all the time. We place them under the carnation benches, and there they remain until started in May, usually under the rose benches, as near the walls as possible so that they can get light, giving them a good soaking with water. We syringe them overhead two or three times a day and, in two or three weeks, the first batch of cuttings can be procured. We prefer cuttings from 2½ to three inches long, taken with a little old wood or heel, as the term is often



used by gardeners. There are other methods that can be resorted to if the stock is limited. That is by cutting up the old stem in the manner practiced with vine eyes, and still another way is by cutting the stems into lengths, so that one eye is above the sand. It is advisable when taking cuttings to have close at hand a little powdered charcoal and dry sand to directly insert the cuttings into as they are taken off, to stop the sap from flowing. Get the cuttings into the sand as soon as possible, so as to prevent flagging. Give a good watering and shade with some papers. The poinsettia is very easily rooted and by making a succession of strikings one can have plants ranging from one foot to six feet tall. Under favorable circumstances, cuttings will be rooted in about three weeks. Do not leave them in the sand for the roots to become more than an inch long, otherwise they will in all probability be damaged when being potted. For the first potting prepare a fairly light compost, using a small quantity of sand to some leaf soil and loam, well mixed. Place the young plants in a shaded part of the house. As soon as they are rooted sufficiently to stand the sun, place them in the full sunlight and when ready shift them into larger pots, making the compost heavier with loam and a little added sand to keep the soil open. By the early part of August, the plants will take their final shift into 5 or 6-inch pots. We use all loam with a small quantity of bonemeal and Scotch soot well incorporated into the soil. When potting use the rammer freely and pot firmly. In my opinion that has a tendency towards helping the plants to hold their foliage longer than if loosely potted.

Always be careful to give a plentiful supply of water, for if left to get dry and flag in the hot sun, the result will be a beautiful crop of scorched foliage. Spray the plants overhead several times a day in bright weather. Some have an idea that the poinsettia needs high feeding. That is a mistake. Two applications of Clay's fertilizer at intervals of two weeks is ample to finish bracts, say from 14 to 19 inches across, in 5 and 6-inch pots. The poinsettia is not very susceptible to the ravages of insect pests, mealy bug being the worst enemy. Even that can be warded off if a careful watch is kept to never allow them to get any headway by an occasional spray of X. L. All insecticide or Aphine.

#### Miss Maud Doyel.

Miss Maud Doyel, the popular and attractive saleslady at the retail store of McDonald & Steele, of Crawfordsville, Ind., of whom we publish an excellent portrait, is just now considerably in the limelight in that burg. Miss Doyel at present heads the list of ladies, to the most popular of which the Crawfordsville Daily News is going to give a \$600 automobile. Miss Doyel led all her competitors, by over 30,000 points, February 11, and we hope she will maintain this lead to the end.

READING, PA.—The Berks Flower House has opened a stall for the sale of cut flowers at 619 Penn street.

## HALF HOUR CHAPTERS FOR PLANT GROWERS

### Genistas.

Take a look at the genistas that are wanted for Easter, and see how they are advancing. If they were not pinched too late the flower buds will be showing, and such plants will probably be in on time without any forcing. These plants always thrive best in quite a cool, airy house, in a good light. Keep the atmosphere right by damping freely between the pots and on the benches; also spray the heads on bright days until the flowers show color. Green fly and other insects do not bother these hardy subjects much, but should they appear give gentle



Miss Maud Doyel, Crawfordsville, Ind.

fumigations every other evening until they are destroyed. A little feeding with soot and manure water, or nitrate, if the soot cannot be had, will be of great assistance where the plants are potbound. Give it little and often rather than in strong doses.

### Coleuses.

Although not of the first importance, a good stock of coleuses of suitable varieties for planting in window boxes, hanging baskets and vases is sure to be useful when the bedding season starts in. Where stock plants have been saved during winter these will, if placed in a little extra heat, after being lightly cut back, soon produce abundance of good cuttings that root readily in the propagating bench over a gentle heat. These plants are of very rapid growth and like a light, sandy soil, some growers giving them nothing but well-dried manure and sand in about equal proportions. If kept well supplied with water at the root and in the atmosphere, and the plants arranged in a good, clear light, they will grow at a rapid rate and make large leaves, which are extremely showy. But, beautiful as such

plants are, as plants, they are not suitable for the purpose indicated above. Their leafy system is too soft the drying wind and hot sun of summer and they will not stand the effect of mer. For bedding or veranda planting, the plants should be grown harder and more slowly, not stunted by any means, but not rushed in the manner described. As soon as they are well established in the pots in which they are to be finished, say 3½-inch, expose them to all the air and light possible, and so harden and prepare them for their transfer to the open air in June.

### Verbenas.

Although the verberna is a fairly hardy subject and dislikes any kind of coddling treatment, there is a time in the earliest stages when the plants are very sensitive to alternations of drought and moisture, and the seedlings damp off at a very rapid rate. This occurs in so early a stage that careless or unobservant growers never see the plants at all and look upon the few chance ones that remain as evidence of seed of low germinating quality. From the first the plants should be watched, and no extremes allowed either way in regard to moisture. The flats or pans containing them should be placed in a good light, where they will obtain plenty of air without being exposed to draughts, and in a few weeks, when they have gained strength, they will be perfectly safe if treated like other seedling stock.

### Tuberous Rooted Begonias.

In the culture of tuberous rooted begonias, a few cardinal points should be kept in mind. If starting now with tubers, do not make the mistake of thinking that these must have strong heat to start them. They do not need it and start much better without it. Just let them come away naturally in a temperature of around 50° at night, and maintain a moderately moist atmosphere about them right along. They start better in flats with light soil around them than if potted, and they may go into the pots after starting. Lift them out of the soil carefully and, if roots have started, retain any soil that adheres to them when placing them in the pots. A compost of good loam three parts, the other third being made up of well-dried cow manure, leaf mold and sand or grit will be about the most suitable. Pot moderately firm if the soil is fairly moist, as it should be; give it no water for the first few days, simply spraying over the surface and the young shoots twice daily. These shoots, after having made an inch or so of growth, should be thinned to about four or five, according to the size of the bulb, not removing them all at once, but going over them several times, especially if they are much crowded. Grow the plants right along in a cool greenhouse temperature and ventilate freely as long as the weather is suitable. Water very moderately at first, until the roots obtain a good hold of the soil, after which a free supply will be needed.



**Rapid Rose Growing.**

The accompanying illustration shows the interior of Aug. Grossman's greenhouse, located on Lincoln avenue, near Winnemac, Chicago. This was planted to Richmond roses November 28-29, 1909, and the house started in to crop about January 15, 1910. This is pretty quick work and the grower, Mike Then, is to be congratulated on his success with this rose.

**The Culture of the Chrysanthemum.\***

REVISED EDITION 1910.

This is an English book, written by that well known chrysanthemum expert, W. Wells, who, naturally, does not pretend to be an authority on the American methods of culture. But there is a lot in it that will be of great interest to the American reader and especially the ex-British sojourners on our shores, for much of the early part of the work goes back into the history of the chrysanthemum of some 20 years ago, when she was rising rapidly on the tide of prosperity. The cultural notes are good—for English growers—and probably growers for exhibition in this country could pick up many valuable hints and use them, of course, adapting them to the conditions that obtain in America. Much of the outdoor summer treatment is totally different to that practiced, or likely to be practiced here where the hot dry summers render it impossible. The chapter on "Chrysanthemums in America" is interesting reading, as showing how our methods strike the foreign eye. Mr. Wells is quite impartial in his views and by his travels appears to have lost much of the insular prejudice against everything "un-English" that characterizes the writing and speeches of so many sons of Albion. The little book is well worth perusal and no chrysanthemum grower should be without it as its price is not worth considering. We suggest to the author that if another edition is needed he have the names carefully revised and also look out for other type errors which are a defect to any book. Mrs. "Rundle" is the way we have been accustomed to spell the name of the beautiful old white incurved, now probably no more, not Mrs. "Rundell," Meg "Meriless" reminded us of Merry-legs as we used to call this old variety and "Julia" Lagravere should be "Julie" if memory serves right. But these are minor points that may probably be overlooked by the general reader and do not detract much from the value of this excellent little book. It is well illustrated and bound in green cloth, the price being 75 cents.

**The Best Dollar's Worth.**

Enclosed find \$1 subscription for AMERICAN FLORIST for 1910. It is the best dollar I spend during the year.  
H. A. HYDE.  
Watsonville, O., January 13, 1910.

**Subscriber Twenty-Five Years.**

AMERICAN FLORIST Co.—I subscribed at the Cincinnati convention 25 years ago and shall continue as long as I am about.  
G. DROBISCH.  
Columbus, O., October 7, 1909.

**Pleased With the Florist.**

I am pleased with THE FLORIST and with the men that advertise.  
WM. M. SLICHTER.  
Molinton, Pa., September 12, 1909.

\*We can supply any books noted on receipt of price quoted.

**OBITUARY.****Joseph B. Fuller.**

In the death of Joseph B. Fuller, seedsman and botanist in the employ of James Vick's Sons, Rochester, N. Y., on February 16, the seed business has lost one of its oldest and most esteemed representatives. Mr. Fuller was born in Brooklyn, N. Y., October 31, 1827. When he was only three years old his family moved to Rochester, coming by the Erie canal and stopping on their arrival at the old Rochester house, corner of Exchange and Spring street. At the age of 14 he was apprenticed to the late Henry O'Reilly to learn printing. Later he was with the Genesee Farmer, published by the late James Vick and edited by the late Patrick Barry. Being for years in close relationship with Mr. Vick, the two being drawn together by a mutual love of flowers, he was easily persuaded to engage in the seed business. In 1863 he entered the employ of Mr. Vick, and continued almost uninterruptedly with the Vick firm from that time until failing health about a year ago necessitated his giving up active work.

Mr. Fuller's influence in the development of the business was scarcely second to that of Mr. Vick. His whole life was bound up in the work and his whole energy devoted to it. For years he had pursued the study of botany and his extensive knowledge of plants was of great advantage. His knowledge of stocks was extensive and thorough; his judgment and accuracy were without equal; and his honesty unimpeachable. To his perfect integrity and absolute reliability the success of the Vick seed business was in no small degree due. He was a thorough seedsman, far-seeing, conscientious and accurate. During a trip to Europe, in 1888, Mr. Fuller was invited by Carter, Dunnett and Beale, of England, to inspect their trials of peas. Of one particular variety, his opinion was asked as to its quality. His reply was "It's a daisy." This bit of American slang evidently impressed the famous English seedsman, for a few years later this variety was introduced as Carter's Daisy, and fully justified Mr. Fuller's opinion of its good qualities. His genial manner made him hosts of friends in the trade. Many a long chat over cigars did he and the veteran seedsman, Wm. Meggatt have in the old Vick seed house on East avenue, in the eighties.

Mr. Fuller's geniality was one of his most prominent characteristics. He had a good story apropos every occasion. His reminiscences of the early days of Rochester, and of the volunteer fire department of which he was a member, were particularly enjoyable. He was a member of Valley lodge, No. 109, F. and A. M. since 1853, and Hamilton chapter, No. 62, R. A. M. He was a member of the Rochester Academy of science, giving devoted attention to the work of the botanical section of this society. In 1896, when the academy published a list of the plants of Monroe county, it was difficult to find a compositor sufficiently familiar with botanical terms to set up the list in a satisfactory manner. Mr. Fuller came to the rescue, and, though it was years since he had stood at the case, he set all the type for this work, more than 150 pages, a remarkable achievement for a man of his years, as well as from a typographical standpoint. He was the supreme authority on all botanical questions, and nowhere will his loss be more felt than in the botanical section. With his fellow workers in the seed business he was always pleasant, kind, patient and forbearing, with the old-time courtesy of manner so seldom seen nowadays. In his death they feel that "a good man has fallen."

**Joseph H. Bebus.**

Joseph H. Bebus, an expert designer and decorator, who since boyhood has been connected with the trade of New York, died there, February 16, after a short illness of dropsy. He was 55 years old. He was at one time associated with his brother, the late Jacob Bebus, in a large retail store at Broadway and Twenty-third street, where the Bartholdi hotel now stands. After the death of his brother he held different positions. He was for several years, manager for Mrs. J. J. Featherstone, 266 West Twenty-third street. For the past year, and up to within a few days of his death, he was employed by Geo. Lapp, 230 Eighth avenue. He was a widower and is survived by two daughters, both of whom have reached adult age. Mr. Bebus was a genial and kindly man and made a good impression on those with whom he did business. He was of a quiet and unassuming disposition, and on account of these and other temperamental characteristics, was not as well known as many men of less ability.



HOUSE OF RICHMOND ROSES AT AUG. GROSSMAN'S, CHICAGO.

Planted November 28, 1909. Photographed Early in February, 1910.



# THE AMERICAN FLORIST

1885 TWENTY-FIFTH YEAR 1910

Subscription, United States and Mexico \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

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Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

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A. F. FAULKNER, 1133 Broadway, New York.  
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**THE AMERICAN FLORIST,**  
324 Dearborn St., CHICAGO

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A LOCAL newspaper says that the "blue rose" from Germany is being extensively grown at the Heller greenhouses, with which Dingee & Conard Co., West Grove, Pa., are associated. Two new roses, according to the same authority, are to be brought out here, Robert Heller, a hardy, everblooming yellow, and Jeanette Heller, a new pink.

THE White Oxen meeting at Urbana adjourned without an initiation.

THE S. A. F. executive committee will meet at the Seneca hotel, Rochester, N. Y., March 12.

SOMEBODY else has discovered the secret of growing "black roses," and is seeking to patent the process. The discoverer has quite a modest idea of the value of his "invention," as, although he has been offered \$500,000, he is going slow in accepting any offers.

## American Carnation Society.

CARNATION REGISTERED.

Wodenethe.—Prosperity x Enchantress. Pure white, 3½ to 4 inches in size, strong, erect grower, runs to flower quickly; beautifully formed, full flower with the old clove scent; strong calyx; never bursts. Scored 90 points for preliminary certificate at the A. C. S. convention at Pittsburgh. Registered by Frank E. Whitney, gardener to Winthrop Sargent, Fishkill-on-Hudson, N. Y.

A. F. J. BAUR, Sec'y.

## Begonia Patrie.

Samuel Murray, Kansas City, Mo., who grew the fine plants of Begonia Patrie, illustrated in our issue of February 19, page 165, writes: "In regard to this new begonia, will say that we gave it the same treatment as B. Gloire de Lorraine for Christmas. Will give it a warmer place this year, and we are satisfied that we can do better with it. With us the flowers do not drop but dry up on the plant, and are very fine under a good light. The plants shown had been in the store considerably over a week, before being photographed. We imported them from France last May, being induced to do so by seeing an illustration in the AMERICAN FLORIST.

## Society of American Florists.

REGISTRATION OF BEGONIA.

Public notice is hereby given that J. A. Peterson, of Westwood, Cincinnati, O., offers for registration the begonia described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

RAISER'S DESCRIPTION.

Begonia Glory of Cincinnati. Parentage—Socotrana x a sport of Lorraine type. Foliage large, round, resembling that of B. Socotrana, but smaller. Height one to 1½ feet; color, deep, soft, satiny pink. The individual flowers are about two inches across. The flowering period is from October to April, the plants being at their best during the latter part of December. Propagation by leaf-cuttings, or by splitting up the foliage, as with the Rex varieties. Soil, a light, sandy loam and leaf-mold, with a little well-rotted cow manure. Its lasting quality is especially recommended.

CORRECTIONS.

The name, "Alice of Ingleside," was omitted from the registration on January 12, 1910, of the rose offered by Southwick Cary Briggs, of Washington, D. C.

In the change of registration on January 20, 1910, by S. Cockburn & Sons, of Woodlawn, N. Y., the name of the chrysanthemum should have been "Mrs. Jane Cockburn," not "Mrs. Jane Cochran."

H. B. DORNER, Sec'y.

February 17, 1910.

## A Big Cup For Six Roses.

One of the prizes to be offered at the next show in New York of the American Rose Society is a \$50 solid silver cup. It is for the best display of six roses. The donors are Moore, Hentz & Nash, of New York.

This award is unique, because it is a generous one for a small exhibit—an exhibit so small that a grower with the smallest establishment will have a chance to compete. The restrictions are unusually few; for instance, excepting American Beauty, any rose of any variety is eligible.

To illustrate: one man may show two white and four pink Killarneys. Another man's six may have six varieties, say one Bride, one K. A. Victoria, one Perle, one Golden Gate, one Richmond and one Wellesley. Another six may be all hybrids, perfectly proper so long as two are white (or near-white) and the rest colored. Bon Silene and Niphotos in one exhibit may find themselves pitted against Ulrich Brunner and Merveille de Lyon is another. The judges will recognize each variety and judge each flower on its own merits. The entertainment is for the visitor and not for the judges.

The donors seek to add variety and interest to the show as a whole, introducing a new department devoted to groupings of various kinds and various colors in each six. They hope for a number of exhibits in this section of the show. And because of the assured variety of colors and of the freedom as to sorts, there should be every reason to expect a display of entertaining and instructive contrasts in color and kinds.

In this way the more scientific arrangements of all the other exhibits will have an offset to their large and solid masses of uniform and standard colors in the picturesque and diverse mass of kinds entered for this one of the several cups. The good grower in a small place has a chance against the large grower and it is hoped that he will enter his six roses.

The exact specification for this exhibit will be found in the Prize Schedule of the American Rose Society in "Class G."

## Meeting Next Week.

Albany, N. Y., March 3, 8 p. m.—Albany Florists' Club, W. C. King's, 24 and 26 Steuben street.

Baltimore, Md., February 28, 8 p. m.—Gardeners and Florists' Club of Baltimore, Florists' Exchange Hall, St. Paul and Franklin streets.

Buffalo, N. Y., March 1, 8 p. m.—Buffalo Florists' Club, Saturn Hall.

Chicago, March 3, 8 p. m.—Chicago Florists' Club, Union Restaurant, 111 Randolph street.

Cleveland, O., February 28, 7:30 p. m.—Cleveland Florists' Club, Progress Hall, 2610 Detroit avenue.

Indianapolis, Ind., March 1, 3:30 p. m.—State Florists' Association of Indiana, State House.

Lake Geneva, Wis., March 5, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association.



Louisville, Ky., March 1, 8 p. m.—Kentucky Society of Florists, Third and Broadway.

Milwaukee, Wis., March 3, 8 p. m.—Milwaukee Florists' Club, Quiet House, corner Broadway and Mason street.

New Orleans, La., March 2, 8 p. m.—German Gardeners' Club, 624 Common street.

Newport, R. I., March 2.—Newport Horticultural Society.

Pasadena, Calif., March 4, 8 p. m.—Pasadena Gardeners' Association, Board of Trade rooms, West Colorado street.

Philadelphia, Pa., March 1, 8 p. m.—Florists' Club of Philadelphia, Horticultural Hall, Broad street, above Spruce.

Pittsburg, Pa., March 1, 8 p. m.—Florists' and Gardeners' Club of Pittsburg, Fort Pitt Hotel, 10th street and Penn avenue.

Salt Lake City, Utah, March 1.—Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South street.

San Francisco, Calif., March 5.—Pacific Coast Horticultural Society.

Seattle, Wash., March 1.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

St. Paul, Minn., March 1, 8 p. m.—Minnesota State Florists' Association, 510 Snelling avenue, north.

Utica, N. Y., March 3, 8 p. m.—Utica Florists' Club, Genesee Hall.

Washington, D. C., March 1, 8 p. m.—Florists' Club of Washington, 1214 F street, N. W.

## Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

**Situation Wanted**—By all-around grower as foreman; All references.  
Key 451, care American Florist.

**Situation Wanted**—By an expert American Beauty and tea rose grower. Address  
Key 446, care American Florist.

**Situation Wanted**—By first-class florist capable of taking charge; experienced in all branches.  
Key 444, care American Florist.

**Situation Wanted**—As landscape gardener or caretaker and gardener on gentleman's private place, by a good steady man. Address  
J. G. DICKINSON, Shelby, Ohio.

**Situation Wanted**—By young married man, German; All rose, carnation and 'mum grower; able to take charge of ranges of any size. Address  
Key 452, care American Florist.

**Situation Wanted**—By a German florist, 26 years of age; 10 years' experience; grower of roses, carnations, 'mums, pot plants, etc.; give full particulars and what wages paid in first letter.  
Key 441, care American Florist.

**Situation Wanted**—As gardener, private or public, 28 years old, single, 12 years' experience in all branches in Europe and this country; ready for engagement by the 15th of March; best of references. Key 442, care American Florist.

**Situation Wanted**—As working foreman in first-class retail establishment; successful grower of roses, carnations, violets, 'mums, lilies, Begonia Lorraine, pelargoniums; life experience; middle-aged; married; disengaged March 1st.  
J. HODGE 163 Foster St., Mansfield, Ohio.

**Help Wanted**—Two young men experienced in packing and filling orders for nursery stock; give full particulars regarding experience, salary wanted, etc. VAUGHAN'S GREENHOUSES, Western Springs, Ill.

**Help Wanted**—Young man to take care of garden and stable; have two horses, two cows, chickens and two hogs; must be experienced truck farmer and stableman; wages \$25.00 per month and board.  
R. W. TENER, Sylvan Crest, Monaca, Pa.

**Salesman Wanted**—On the Pacific coast to sell our well known line of ribbons and chiffons; we want a man who is known among the trade to sell our goods on commission.  
LION & COMPANY, 114 Spring St., New York.

**For Sale or Rent**—Nicely furnished north side store, Chicago.  
Key 443, care American Florist.

**For Sale**—Some 3-inch pipe guaranteed sound, 7c per foot. Also several good small boilers cheap.  
W. H. SALTER, Rochester, N. Y.

**For Sale**—First class florist business in city of 30,000; reason for selling; other business.  
Key 599, care American Florist.

**For Sale**—A piece of ground, 150x150, with greenhouse 22x100; no other florist within six miles. Address  
Key 453, care American Florist.

**For Sale**—Dwelling, three well stocked greenhouses; good business in an Arkansas city; good reasons for selling; if you mean business address  
Key 443, care American Florist.

**For Sale**—4,000 feet of glass, eight-room house and barn, on one acre of black prairie soil in a booming town of 4,000, with 16 factories. Here is a chance of a lifetime. Price, \$3,500 if taken at once. Good reasons for selling.  
A. RICHTER, Sturgis, Mich.

**For Sale**—A good florist retail and wholesale business; six greenhouses in pot plants, carnations, violets and 'mums; 12 lots, located on a good boulevard; dwelling and barns; \$7,500.  
THE GOESCHL & WOOD FLORAL CO., 1901 So. Logan, Denver, Colo.

**For Sale**—A good florist retail business in growing city in western New York; 5,000 feet of modern built glass, with work room and living rooms attached; best place in town; a good trade. A good place for the right man. Reasons for selling, other business. Price and details on application.  
Key 429, care American Florist.

**For Sale**—Florist with a small ready capital can, on March 1, buy a first-class retail flower store in Chattanooga, Tenn., with well established trade. Present owners are engaging in similar business in another city, and inability to manage both places is only reason for selling. Only interested parties need answer this advertisement. Address  
A. BORG, care Atlanta Floral Co., Atlanta, Ga.

**Wanted**—Greenhouse, about 5000 ft. o glass, dwelling, one or more acres of land.  
Key 436, care American Florist.

**Wanted to Rent**—Greenhouse establishment; 15,000 to 20,000 feet; must be in good repair, good location and good rose soil required; shipping distance of Chicago preferred.  
Key 438, care American Florist.

**Partner Wanted**—A florist with small amount of capital desires a partner; a grower with 5000 feet of glass or more located in some thriving town where there is a future to open a retail store; 18 years' experience, good designer and salesman; references exchanged. Address  
Key 445, care American Florist.

## TO RENT.

A very rare opportunity of one of the most modern and up-to-date florist establishments of about 15,000 sq. ft. glass; hot water heat; Superior tubular boiler; entire place equipped with electric lights, cement walks and floors; work building 20x115 two stories 8-room modern flat; good established business; the conveniences and accommodations to all transportation, etc. are too numerous to mention; they cannot be excelled; if interested an investigation will convince.

RICHARD F. GLOIDE,  
1405-1407 Central St., Evanston, Ill.

## Wanted Seedsman.

One who has had considerable experience in general wholesale garden seed business. Good wages and a chance for rapid advancement.

Key 450, care American Florist.

## Situation Wanted.

By first-class young Hollander, married, no children, four years' American experience and ten years' experience in different countries in Europe and East Indies; private situation preferred; experienced in landscape gardening and managing a private estate; also capable of managing an ornamental nursery; eastern states preferred; age 30.

Key 426, care American Florist.

## Nurseryman Wanted.

A splendid chance for a young man with a few hundred dollars to establish himself in a profitable and growing business; only one nursery within 50 miles, and a large demand already created for these goods; splendid shipping facilities, good soil and large demand at home; man must be a hustler and have both the growing and the selling experience; full particulars will be given by addressing  
JOSEPH BANCROFT & SON,  
Cedar Rapids, Iowa.

## WANTED.

At once, a competent grower for retail trade for southwest Texas. A good designer; honest and reliable; able to take charge when needed; age between 22 and 35; none other need apply; \$10.00 per month, board and room.

Key 449, care American Florist.

## Good Opening for Young Man

Advertiser wants a bright young man to call on the trade, one who can sell goods; give full particulars in first letter, including experience, age and wages. Man with practical knowledge of greenhouse work preferred. Address

Key 988, care American Florist.

## Unexampled Chance

For a first-class grower with executive ability and capacity to take charge of 50,000 square feet of glass, most modern in construction and equipment, for growing cut flowers and plants, about to be erected in most progressive part of United States, where competition amounts to almost nothing. Can sell entire product now, and plant will have to be doubled in two or three years at most with right management. If you do not possess these requirements and have not got \$3,000 to \$5,000 to take stock in the \$50,000 corporation, do not reply. But if you have and can produce the goods, you will get the chance of your life by addressing

Key 440, care American Florist.

# Easter Souvenir Price Lists

We have a fine line of illustrations suitable for

## Easter Booklets and Folders

Easter Lilies, Crimson Ramblers, Azaleas, Hydrangeas, Lilacs,  
Church Decorations, Wedding Bouquets, etc.

Write for prices.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago.



# We are Strong on Roses and Carnations

## NONE BETTER TO BE HAD.

Can furnish you with the following roses in quantities

**Beauties, Mrs Jardine, My Maryland, Killarney, Perle, Richmond, Bride, Bridesmaid, Kaiserin.**

**CARNATIONS** All the Leading Quality Unexcelled.  
Sorts *~~~~~*

Plenty of spring stock, Tulips,  
Jonquils, Daffodils, Narcissus,  
Sweet Peas, Freesias, Violets,  
Valley and Greens of all kinds.

**J. A. BUDLONG**  
37-39 Randolph Street, CHICAGO.  
Roses and Carnations  
A Specialty.... WHOLESALE GROWER of **CUT FLOWERS**

### Chas. L. Washburn.

Chas. L. Washburn, recently elected president of the Illinois State Florists' Association and of whom we publish an excellent photograph taken last week, is one of the best known and most highly respected men in the trade of Chicago and vicinity. Few men have such a wide experience of the business or are as closely in touch with it as he and the association is certainly to be warmly congratulated on its choice of a presiding officer. His knowledge of the business is not academic. It has been gathered by close personal contact with every branch of it and is of the full, practical order that comes from this close association. This being the case there is no question that could possibly arise, in which Mr. Washburn's long experience and expert knowledge will not stand the association in good stead.

Mr. Washburn was born at Albany, N. Y., February 27, 1858. He commenced work at the age of 15 in the lumber woods and remained in the lumber business until 1893. In 1884 he married Miss Kate Bassett, the only child of O. P. Bassett of Hinsdale, Ill., and in 1893 Mr. Washburn formed a partnership with his father-in-law under the firm name of Bassett & Washburn. They then started building greenhouses for cut flower growing, since which time the business has grown to its present immense proportions. Four years ago Mr. Washburn bought out Mr. Bassett's interest in the firm but still continues under the old firm name. In 1895 they started selling flowers on the Chicago market under their own name and this policy proved so successful that it has been followed ever since. Mr. Washburn is a widower, having lost his wife in 1902. Their only child, Edgar B. Washburn, is associated with his father in the business.

**OSHKOSH, WIS.**—The Oshkosh Floral Co. opened up February 19 with an excellent display of plants and cut flowers. Manager Barnett reports business the first few days as distinctly encouraging and above his expectations.

### Chicago.

#### TRADE FALLING OFF.

Although for a day or two shipping trade kept a little life in the market, the back of it was really broken after the St. Valentine's day trade, and the end of last week saw stock piling up in many of the commission houses. The number of split and second quality carnations now arriving is much greater than usual at this time of year



President C. L. Washburn.

Illinois State Florists' Association.  
From Photo Taken Last Week.

and, as is usually the case, this has a bad effect on the price of the better grades. Again, the slump that always follows a period of high prices has set in. People fight shy of the florist shop after they have been charged high prices—they think it is a holdup and steer clear accordingly. It is up to the retailers now to buy stock plentifully at the low prices prevailing, and ticket it up or advertise it at correspondingly low rates, so their customers can see what they are supposed to pay. We are not advising slaughtering prices or anything of this kind, and it

## Wietor Bros.,

Wholesale Growers of

..CUT FLOWERS..

51 Wabash Avenue,

CHICAGO.

### Price List

| American Beauties,                      |          | Per doz       |
|-----------------------------------------|----------|---------------|
| Extra long .....                        |          | \$ 5 00       |
| 36-inch stems .....                     |          | 4 00          |
| 30-inch stems .....                     |          | 3 00          |
| 24-inch stems .....                     |          | 2 50          |
| 20-inch stems .....                     |          | 2 00          |
| 18-inch stems .....                     |          | 1 50          |
| 15 inch stems .....                     |          | 1 00          |
| Short .....                             |          | 75            |
|                                         |          | Per 100       |
| Killarney, extra .....                  |          | \$10 00       |
| " fancy .....                           |          | 8 00          |
| " good .....                            | 5 00 to  | 6 00          |
| Richmond, extra .....                   |          | 8 00          |
| " fancy .....                           |          | 6 00          |
| " good .....                            |          | 5 00          |
| Mrs. Jardine, extra .....               |          | 10 00         |
| " fancy .....                           |          | 8 00          |
| " good .....                            |          | 6 00          |
| White Killarney, fancy .....            | 10 00 to | 12 00         |
| Brides and Maids, fancy .....           | 6 00 to  | 8 00          |
| " good .....                            | 4 00 to  | 5 00          |
| Uncle John, fancy .....                 | 6 00 to  | 8 00          |
| " good .....                            | 4 00 to  | 5 00          |
| Perle, fancy .....                      | 10 cents |               |
| <b>ROSES, our selection .....</b>       |          | <b>\$4 00</b> |
| Carnations, extra fancy .....           | 2 00 to  | 3 00          |
| Easter Lilies, short \$2 00 per doz.    |          |               |
| Valley .....                            |          | 4 00          |
| Asparagus Plumosus,                     |          |               |
| extra quality, per bunch .....          |          | 75c           |
| Fancy Ferns, per 1000 .....             |          | \$2 00        |
| All other stock at lowest market rates. |          |               |

Prices subject to change without notice.  
No charge for packing.

would be folly for retailers to sell at less than a living profit, but to allow the public to buy flowers cheaply when possible, and by the same means keep the stock out of the hands of the street men is good business policy, and wholesalers and retailers ought to combine as far as possible to bring this about. Roses are coming much more plentifully and are cheaper, though the good quality is maintained. Richmond is not in the best form generally, but Bride, the Killarneys, Mrs. Jardine, Uncle John and other teas are



# :: Easter Lilies ::

We are cutting a large quantity of lilies every day, very choice stock, long stems, large flowers and fine foliage. They are the best flowers in the market and are in great demand during this shortage of Beauties and Roses. We are selling them at \$15.00 per 100 or \$2.00 per dozen. Buy direct of the grower and get fresh stock. **American Beauties, Roses, Fancy Carnations, Tulips, Daffodils, Lily of the Valley, Easter Lilies and Greens.**

Write us for our weekly price list if you are not receiving it. We keep you posted on the flower market

## Bassett & Washburn

Store and Office: 76 Wabash Ave.,

CHICAGO

Greenhouses: HINSDALE, ILL.

fine. American Beauty is more plentiful in the shorter and medium grades, but there is still room for more of the first quality flowers. Bulbous stock has been piling into the market all week and most of it is of elegant quality, but, unfortunately, the demand for it has not kept pace with the supply, and many fine tulips, narcissi and others left by the ash barrel route.

On Monday, trade took a little spurt, shipping orders for Washington's birthday helping out some. Speaking with one of the best known and successful wholesalers, he said their books showed that the week just ended was below that of the same week last year. This he ascribed to the early Lent in great part and doubtless he was right. Carnations continued to arrive in large quantities, but there was a marked scarcity of white, and these were continually called for. Violets have been a drug since St. Valentine's day. Cattleyas are more plentiful and the price has shaded a little. Lily of the valley is plentiful, but apparently cleans up daily. American Beauty roses are in rather better supply, some fine stock now arriving from the principal growers. Easter lilies are not quite as plentiful, but there are enough to meet the demand.

### HOLIDAY MAILS.

As usual, wholesalers received quite a lot of orders on Wednesday morning that were intended for the day before—Washington's birthday. Some out-of-town buyers never seem to get wise to the fact that there are no mails in the afternoon of these holidays and consequently their shipments are late, owing to their letters being held up until the next morning. Shippers cannot be blamed for these things and it would be well if their customers at a distance would make a note of this for future reference.

### NOTES.

Quite a scare was caused in the Atlas building about 8 a. m., February 18, the news that one of the large boilers that supply steam to the building was likely to blow up, causing many visitors to remember engagements in the suburbs. Some there were who waxed technically eloquent, when describing the trouble, about high and low pressure systems, valves, boiler ratings and other things invented to confuse the lay mind. But

### We Are Strong On

## ROSES AND CARNATIONS.

Our **Beauty** crop is just coming in and we have large supplies in all grades. For Easter we will be exceptionally strong on **Beauties, Roses, Carnations**, and all Seasonable stock. The carnations now being shipped are unsurpassed in quality in this or any other market.

### PRICE LIST.

#### AMERICAN BEAUTIES Per doz.

|                       |        |
|-----------------------|--------|
| Extra long stems..... | \$5 00 |
| 36 inch stems.....    | 4 00   |
| 30 inch stems.....    | 3 00   |
| 24 inch stems.....    | 2 50   |
| 20 inch stems.....    | 2 00   |
| 18 inch stems.....    | 1 50   |
| 15 inch stems.....    | 1 00   |
| 12 inch stems.....    | 75     |

#### Richmond, Killarney, My Per 100

Maryland.....\$6 00 to \$10 00

Mrs. Field, Mme. Chatenay 6 00 to 8 00

#### Uncle John, Bride, Maid, Ivory, Sunrise, Golden Gate

..... 6 00 to 8 00

Perle..... 5 00 to 8 00

Roses, our selection..... 4 00

Carnations..... 2 00 to 3 00

Harrisii..... 15 00

Valley..... 4 00

Violets..... 1 00

Adiantum..... 1 00

Asparagus, per bunch... 50

Ferns, per 1000..... 2 00

**PETER REINBERG, 2,000,000 Feet of Modern Glass 35 Randolph Street, Chicago.**

as near as we could gather, an engineer got mixed in some way and the steam pressure required to run the elevators was turned into the heating system and vice versa. Later we heard that the water was run out of a boiler that had fire under it and the fires had to be drawn to save the boiler. "All's well that ends well," but there must have been culpable carelessness somewhere. John Kruchten and E. F. Winterson were named as the heroes of the occasion.

Lloyd Vaughan, of Vaughan & Sperry, has been serving on the jury in Judge Honore's circuit court since Monday, and will be in attendance two weeks. At the store long stemmed Beauties continue to arrive in quantity and their growers report another large section coming into crop shortly; this section will probably produce good Easter stock. Orchids (cattleyas) are being handled in large quantities and we noted some remarkably fine Bride and Bridesmaid roses and spring flowers in variety. During Mr. Vaughan's absence, Mr. Sperry has to do some tall hustling, but it does not

seem to worry him that we could notice.

Speaking of orchid growing at the Poehlmann Bros. Co.'s Morton Grove plant, August Poehlmann expressed himself as well satisfied with the results so far. The plants are in fine order and Cattleya Trianae is flowering well. Other large consignments of orchids are due in a couple of months and their culture will—like everything the firm handles—be taken up with spirit. A grand batch of 22,000 lilies is coming in in 5 and 6-inch pots and will be just right for Easter. Beauties are coming along well and all the roses are in excellent shape.

Bassett & Washburn report city and shipping trade excellent, though the former fell off a little at the end of the week. Lent makes more difference, locally, than to the shipping trade, this firm having a big demand from regular customers, who order in advance about the same amount of stock daily. Easter lilies are not quite so plentiful here now, but there is still quite a large number arriving and the price remains firm. The out of town demand for



# Beauty Crop

Still Doing Good Work.

Per doz.

|                   |                |
|-------------------|----------------|
| Fancy long stems  | \$5.00         |
| 30 to 36 in ..... | 4.00           |
| 20 to 24 in ..... | \$2.50 to 3.00 |
| 15 to 18 in ..... | 1.50 to 2.00   |
| Short.....        | .75 to 1.00    |

## FANCY ROSES

**Brides, Maids**.....\$6.00 to \$10.00 per 100  
**Killarney, Pink**.....\$6.00 to \$8.00 per 100  
**All Other Rose Stock in Full Crop.**  
**Fancy Longiflorum**.....\$2.00 per doz.  
**Lily of the Valley**.....\$3.00 to \$4.00 per 100

## CARNATIONS

**Fancy**.....\$2.00 to \$3.00 per 100    **Ordinary**.....\$1.50 per 100

## Orchids

**CATTLEYAS,**  
 \$5.00 to \$6.00 per doz.

**Von Sion**.....\$2.00 to \$3.00 per 100

**Spring Flowers** **Jonquils**..... 2.00 to 3.00 per 100  
**Tulips**..... 2.00 to 4.00 per 100

**Wild Smilax, Fancy Ferns, Leucothoe and Mexican Ivy.**

# VAUGHAN & SPERRY,

52-54 Wabash Ave.,  
 L. D. Phone, Central 2571

# Chicago

Washington's birthday was very large here.

Hoerber Bros. have quite decided on building again this year. They will double the size of their new plant at Desplaines; the contracts are out for the work and this will probably be let within a few days. They are down 368 feet with the artesian well, having struck rock at about 300 and, although the work has been delayed on account of the severe weather, it is to be started up again in earnest now with a larger and more powerful drill.

The A. L. Randall Co. had a large call for blue coloring for Washington's birthday and is getting busy with the green for St. Patrick's day. Some white carnations with their stems inserted in this "dope" for 20 minutes were distinctly colored and an hour is about the time necessary to make a good job of it. They are very busy now here with Easter supplies and in the cut flower end fine stock of all kinds is being handled.

Ask J. B. Deamud to trot out the big violet that shows a good margin around a silver dollar when this is laid on the flower. (Also watch J. B. while he has the dollar.) This appears to be a fine thing. It is a seedling raised by W. F. Duntemann, of Bensenville, of immense size, good stem, very fragrant, and in color a deep lavender. It has not been named yet.

Thos. J. McNally has opened a retail store at 477 Wabash avenue. On Washington's birthday a fine design of the national flag was shown in the north window, the late president's portrait, framed in bronze magnolia leaves, occupying the center of the other. Funeral designs are expected to form a large part of the business done.

"When in doubt try Budlong's" seems to be a pretty good rule to follow for those who are looking out for first class stock. The flowers arriving from the greenhouses are excellent in every way and we especially noted very fine, Mrs. Jardine, My Maryland and Bridesmaid roses. The bulb stock, too, is excellent.

A fire occurred at the greenhouses of Edward Meuret, at Park Ridge, on February 21, but not much damage was done. Some of the carnations that were sent from there the following day were scented all right, but it was hardly the old clove fragrance—more like "Auld Reekie" ye ken.

## "The Busiest House in Chicago"

WE NEVER SUBSTITUTE.

If you order Killarney you don't get Maids. We presume you know what you want and we are here to supply your wants—not to send you what we choose. That's another reason why you should send your orders to

# J. B. DEAMUD CO.

Excellent flowers of Cattleya Trianae have been arriving at Geo. Reinberg's all the week from the greenhouses. They are fresh and of good varieties. A few Percivalianas were also noted and some of the finest smilax we have seen for a long time, long full strings of perfect color.

Winterson's Seed Store has received another large consignment of canna roots, the last carload selling so well that many of the popular varieties were exhausted. The demand is reported as excellent, as is also that for the Ajax carnation dye.

Kyle & Foerster have been doing a big shipping business and getting satisfactory returns for their growers. The daily receipts of roses and carnations are heavy and clean up well and a large and varied assortment of stock is handled.

Thursday evening, March 3, will be ladies' night at the Florists' Club. A fine musical entertainment has been prepared and dinner will be served in the ladies' parlor of the Union hotel, at 8 p. m.

Zech & Mann are especially strong on the best class of bulb stock, elegant tulips, daffodils and jonquils being seen. Bride and Bridesmaid roses have also been particularly good all week.

Peter Reinberg's Beauties are in fine crop now and magnificent flowers are being handled at the store. Carnations are also in great shape and the quality of the roses arriving is of the best.

Quality as well as variety is the keynote at E. C. Amling's. This exper-

ience wholesaler's finely equipped store is one of the first sought by discriminating buyers of good stock.

W. N. Rudd is at Edwardsville this week as one of the speakers at the farmers' institute.

C. L. Washburn will celebrate the fifty-second anniversary of his birthday, February 27.

Visitors: Geo. Spickerman, son of Mrs. Frances Spickerman, of the Sandwich Greenhouses, Sandwich; C. C. Pollworth, Milwaukee, Wis.; H. J. Ruigrok, representing P. van Deursen, Sassenheim, Holland; O. J. Olson, of Holm & Olson, St. Paul, Minn.; Louis Bauscher, Freeport; A. T. Pyfer, Joliet; E. H. Mitchell, St. Louis, Mo.; M. Crawford, Cuyahoga Falls, O.; C. E. De Wever, Clayton, Mo.; Creighton, representing A. T. Boddington, New York.

### THE TRIP TO JOLIET.

Quite a large party visited the Chicago Carnation Co.'s plant February 22, leaving over the Rock Island at 11:45 a. m., at the invitation of the above firm. Growers from surrounding centers, Morton Grove, Bensenville, Niles Center, Elmhurst, Maywood and others joined the city party, and, on arrival an excellent lunch was served, followed by a look through the greenhouses. The general stock was found in fine condition and the novelties, including Mary Tolman, Sangamo, Conquest and others proved of great interest. The return journey was made at 6 p. m. Several ladies were of the party.



# Cut Flowers E. H. HUNT

FOR ALL OCCASIONS.  
FLORISTS' SUPPLIES TOO.

—SEND FOR PRICE LIST.—  
76 Wabash Avenue, CHICAGO.

## KYLE & FOERSTER,

W. P. KYLE.

51 Wabash Ave.,

CONSIGNORS SOLICITED.  
Wholesale Florists.

L. D. Phone  
Randolph 3619.

JOSEPH FOERSTER

CHICAGO.

## KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., **Chicago**  
L. D. Phone, Central 466.

We will have anything in the line of  
**CUT FLOWERS and GREENS**  
that you may want if anybody has it at  
Chicago market prices on day of shipment.

## CHAS. W. McKELLAR,

51 Wabash Ave.,  
CHICAGO.

### ORCHIDS

A Specialty

Fancy Stock in Peonies,  
Valley, Roses, Beauties,  
Carnations and a full line  
of all Cut Flowers, Greens,  
Wire-Work and Florists'  
Supplies.

Send for Complete  
Catalogue.

## POEHLMANN BROS. CO.

Wholesale Growers of and Dealers in

### Cut Flowers

All telegraph and telephone orders  
given prompt attention.

Greenhouses 32-37 Randolph St.  
MORTON GROVE, ILL. **CHICAGO.**

Grand Rapids, Mich.

We have had a delightful winter, a little cold, but steady. Coal bills have run up some, but business has been excellent—nothing spasmodic, but a good, steady demand, which seems to increase with the coming of spring. Everyone seems to be very busy. Roses have been very scarce ever since Christmas, which has helped other flowers, as customers turned from roses to other things. Carnations have been plentiful and are now much better in quality than two to three weeks ago. With only four days' sunshine from December 7 to January 19, there will certainly be many soft carnations. Bulbous stock is now coming in plentifully and with a good demand, but everyone's mind is centered on Easter, and it looks now as if some will not get their lilies in.

#### NOTES.

Henry Smith's place is looking exceedingly well; his Bride and Brides-

## E. C. AMLING

THE LARGEST,  
BEST EQUIPPED,  
MOST CENTRALLY LOCATED  
WHOLESALE  
CUT FLOWER HOUSE  
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,  
**CHICAGO.**

L. D. 'Phones Central 1978 and 1977.

## Wholesale Flower Markets

| CHICAGO, Feb. 23               |                    |
|--------------------------------|--------------------|
| Roses, Beauty, extra select... | 5 00               |
| " " 36 in .....                | 4 00               |
| " " 30 in .....                | 3 00               |
| " " 18 in .....                | 2 00               |
| " " 15 in .....                | 1 00               |
| " " Short .....                | 75                 |
| Per 100                        |                    |
| " Bride, Bridesmaid, select..  | 8 00@10 00         |
| " " medium .....               | 4 00@6 00          |
| " Killarney, select ..         | 6 00@10 00         |
| " " medium and short ..        | 4 00               |
| " Mrs. Jardine .....           | 4 00@10 00         |
| " Mrs. Potter Palmer .....     | 8 00               |
| " My Maryland .....            | 8 00               |
| " Perle .....                  | 7 00               |
| " Richmond .....               | 4 00@12 00         |
| " Uncle John .....             | 6 00               |
| " White Killarney, select ..   | 8 00@10 00         |
| " " medium .....               | 4 00@6 00          |
| Carnations, select fancy ..    | 3 00@4 00          |
| " common and splits ..         | 1 00@2 00          |
| Callas .....                   | per doz. 1 50      |
| Hyacinths, Roman .....         | 2 00@3 00          |
| Lilium Harrisii .....          | per doz. 1 50      |
| Lily of the Valley .....       | 3 00@4 00          |
| Mignonette .....               | 3 00@5 00          |
| Narcissus .....                | 2 00@3 00          |
| Orchids .....                  | per doz. 6 00@9 00 |
| Sweet Peas .....               | 40@1 00            |
| Violets .....                  | 50@75              |
| Adiantum .....                 | per 1000. 1 50     |
| Asparagus Plum, strings, each, | 60@75              |
| " " sprays .....               | 3 00@4 00          |
| " Sprengeri .....              | 3 00@4 00          |
| Boxwood, per bunch..           | 35c per case. 7 50 |
| Ferns .....                    | per 1000. 2 00     |
| Smilax .....                   | 1 50               |

maid roses are very fine, also his carnations. Etta O'Neil, of Mr. Smith's store, has been on the sick list for two weeks.

N. B. Stover has just returned from a two weeks' trip through the east. He visited Washington, Baltimore, Philadelphia, New York, New Haven, Cincinnati, Rochester, Cleveland and Toledo.

The Grand Rapids Greenhouse Co. will use 100,000 feet of glass, which has been devoted to vegetables, for roses and carnations.

Wencil Cukerski has finished his houses and is stocking them up, so as to be ready for spring business.

BE YOUR OWN COMMISSION MAN  
—AT THE—

## Flower Growers' Market

60 Wabash Ave., CHICAGO.

A Few Desirable Stands For Rent.

See JOHN SINNER, Manager.

## WIETOR BROS.

Wholesale **Cut Flowers**  
Growers of

All telegraph and telephone orders given  
prompt attention.

51 Wabash Ave.. **CHICAGO.**

## Quality Counts..

Let us have your next order for  
**Roses and Carnations**  
and other Seasonable Flowers.

JOHN KRUCHTEN,

51 Wabash Ave.. **CHICAGO.**

## HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 51 Wabash Avenue, CHICAGO

## Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO

Telephone, Central 3284.

## A. L. Randall Co.

19-21 Randolph St.,  
**CHICAGO.**

L. D. Phone Central 1496. Private Exchange  
All Departments. If you do not receive our  
price list regularly send for it.



W. Bruin Slot, who had his foot amputated at the ankle about four weeks ago, for blood poisoning, is getting along as well as could be expected.

Eli Cross has a carload of glass, which will go into houses this spring for roses. B. S.



**Philadelphia.****STOCK IN PLENTY.**

Flowers of all kinds, except a few of the high-class roses, are very plentiful at present. This is in part due to the increasing sunshine and also to a material lessening in the demand, which has fallen off considerably since St. Valentine's day. American Beauties are more plentiful and the specials have dropped to \$4-\$5 per dozen. Bulbous stock, such as tulips and daffodils, are seen in large quantities at very low prices. The large single violets are very fine and are quoted as low as 60 cents per 100. Easter lilies, fine flowers, one and two flowers to a stalk, are quoted lower than ever, which, considering the small quantity of flowers to a bulb, must be discouraging to the grower. Snapdragon is coming in larger quantities and from this time on will cut quite a figure in the market, as it is very decorative and when kept in stock is popular with most flower buyers. Carnations are difficult to handle, as they have run so fine at such low prices; \$2 per 100 for specials is certainly inviting enough for the mildest plunger.

Washington's birthday was taken advantage of by a number of the retailers who decorated their windows with flags and George's bust. Flowers of the national colors were arranged with hatchets and tricolor ribbon. Artificial cherries, wired on small trees, or boughs of cherry trees, were also prominent as decorative features. There is a fine stock of flowering plants seen in all the stores. Azaleas, primroses, lilacs, pans of tulips and hyacinths, daisies and cyclamens are seen in quantity and sell fairly well. Pennock's window last week was gorgeous with a large bank of Azalea mollis in its various shades of yellow and orange. The city is now in the midst of a street car strike which was inaugurated last Saturday. There has been much rioting, disorder and smashing of cars. The service maintained during the day is about 50 per cent of normal and no cars run after 6 p. m., except the elevated to West Philadelphia, which continues its regular schedule. This necessitates an early closing, as in most cases the help live at considerable distance from their places of business.

**NOTES.**

At the annual meeting of the H. A. Dreer Beneficial Association, February 1, the following officers were elected: J. Flynn, president; A. H. Hoyle, vice-president; treasurer, A. Lloyd; secretary, Herman Cook. Directors: J. Leib, O. Leib, Wm. O'Donnell, J. Ruppert, Jos. Schuler, M. McCreedy, H. Dingee, J. Hilson, and Max Lockowitz. The association pays sick benefits of \$5 weekly for 11 weeks. In case of death \$50 is paid to the family of deceased. The report of the treasurer showed the finances to be in a very satisfactory condition. E. G. Strohlein, of the Dreer Co., returned from his semi-annual European trip with some novelties which are as yet under cover. He reports a general prosperous condition in England and on the continent. He was in London just at the heat of the election and said they were just as strenuous there as here. It was tariff and anti-tariff, and budget, budget, budget from morning until night. He found conditions as regards the general stock about as usual on the continent. There is an apparent scarcity in the larger sizes of palms. A great deal is thought of Phoenix Roebelenii and many growers are working up stocks of this graceful variety. Specimens from five to six feet in diameter are seen and very beautiful they are. Mr. Stroh-

lein spoke very highly of Horticulture Flanderi at Bruges, one of the largest areas of glass in the world, probably the largest devoted to decorative plants. Here are seen two, three, four and five-acre blocks, all under glass, of kentias, phoenix and other palms. One block of five acres was given entirely to Phoenix Canariensis. He said that azaleas were likely to be in good demand, with the stock of Mme. van der Cruyssen running low. Efforts were being made to get a good new white, a variety for which there is a crying demand.

Mrs. Robt. Craig, who has been sojourning at Palm Beach, Fla., with John N. and Mrs. May, of Summit, N. J., Mrs. Wm. K. Harris and her daughter Marguerite, Benjamin and Mrs. Dorrance and their daughter, of Wilkesbarre, Pa., is recovering from an acute attack of indigestion, which at first was very serious. She is now, we are happy to say, out of danger and is expected to be out as usual in a few days and will return home in a week or two.

McKissick's specialties at present are single violets, Mrs. Jardine roses, Easter lilies and bulbous stock. Sweet peas are also a feature.

Leo Niessen says that Beauties are becoming much more plentiful and he finds a good demand for them at the prevailing prices.

K.

**Boston.****A GOOD DEMAND.**

There was an unusual demand for stock of all kinds the first part of the week. St. Valentine's day trade proved a pleasant surprise for everybody and quantities of the smaller flowers were disposed of. Trade held up fairly well throughout the week—a marked improvement over last. Roses are coming along well, especially the smaller grades. Beauties are still a little short and they are bringing top prices. Bulbous stock is coming in rather too freely. Violets are down in price and are coming in in large quantities. The quality is very good, both in double and single. Large quantities of lilies and callas are being disposed of. Funeral work seems to be plentiful and the present time is full of opportunity for the shrewd buyers to get good value on stock used in this class of work. Lily of the valley is unusually plentiful. Cattleyas are coming in in reduced numbers. Sweet peas, mignonette, snapdragon, acacia, myosotis, etc., are all fairly plentiful. White lilac is coming in plentifully now and is in good demand. The plant trade is holding up very well.

**NOTES.**

A new flower store was opened this week under the name of Huntington Florists. The store is neatly fitted up and is in a most desirable location on Huntington avenue.

The business of the late E. Sutermeister is being conducted as formerly and the usual large quantities of bulbous stock, both cut and potted, are coming to market.

Jas. McManus, of The Thos. F. Galvin, Inc., Tremont street store, has been under the weather for the past week and confined to his home part of the time.

H. L. Cameron, of North Cambridge, is bringing in a remarkably fine lot of cinerarias. The variety of colors is quite extensive.

Thos. Roland is making a specialty at this time of choice bunches of assorted acacia. He puts in generous value.

Wm. Kenney, formerly with Thos. F. Galvin, is now with M. Solomon at Houghton & Dutton's department store.

The growers are already talking lilies for Easter, and the outlook is bright for plenty of good material.

All the retailers are enthusiastic over the Valentine's day trade; it exceeded all expectations.

Thomas F. Galvin is in New York on a brief visit.

Visitors: Arthur Zirkman, representing M. Rice & Co., Philadelphia; S. Surney, representing Wertheimer Bros., New York.

R.

**Washington.****A BUSY WEEK.**

Another busy week is over, St. Valentine's day having created an extraordinary demand for flowers. Owing to Sunday coming the day ahead, it created a great rush, and some of the retailers experienced great difficulty in getting orders filled on time. Violets were readily disposed of at 75 cents to \$1 per bunch. Orchids and lily of the valley sold well; there was also a good demand for roses, carnations and all sorts of bulbous stock. Plants did not take so well.

**NOTES.**

At a dinner given by Secretary of the Interior Ballinger in honor of President Taft, the ballroom was handsomely decorated with groups of palms, the reception room with palms, white lilac and poinsettias; the mirrors were partially veiled with curtains of Asparagus plumosus; five centerpieces decorated the tables; a large round one with a tall vase of white lilac, which was surrounded with jonquils at the base, occupied the center of the table, while two oval ones filled with jonquils, were placed at the ends, and small round ones of the same flower were placed between the ovals. Z. D. Blackstone executed the arrangements. He had a similar decoration for a dinner given by Senator Guggenheim.

G. S.

## —WHAT— APHINE

### Will Do at Public Tests It Will Do for You.

At these demonstrations we proved conclusively that within a very short time it will destroy Black, Green and White Fly, Mealy Bug and Scale.

It is equally effective against Red Spider and Thrips.

Its comparative cost with other insecticides makes APHINE one of the most economical remedies now on the market for greenhouse and outdoor work.

Send for name of nearest selling agent.

**Aphine Manufacturing Company**  
MADISON, N. J.



## Bulbous Stock

Single Daffodils, Golden Spur and Princes.  
Tulips, Pink, White, Red and Yellow.  
Valley, Very Choice, \$3.00 and \$4.00 per 100.

## Acacia Pubescens.

Long graceful sprays of small yellow, ball shaped flowers, beautiful foliage, a very choice novelty  
\$2.50 per bunch.

THE LEO NIESSEN CO., Wholesale Florists Business Hours. a. m. to 8 p. m.  
1209 Arch Street, Philadelphia, Pa.

## American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

## Grafted and Own Root Rose Plants

Killarney, Richmond, My Maryland, White Killarney,  
(Waban strain), Kaiserin, Bride and Bridesmaid.  
— Send for Prices —

W. H. Elliott, Brighton, Mass.

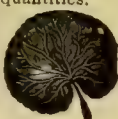
## Pittsburg Florists' Exchange

Wholesale Cut Flowers

Everything Seasonable

Headquarters for Ferns, Galax, Leucothoe and Wild Smilax, and carry a large supply of the best on hand at all times. We quote the following interesting prices on small or large quantities.

Ferns, fancy and daggers, \$1.25 per 1000  
Galax, green and bronze 65c per 1000.  
Leucothoe, green and bronze 65c per 100.



Wild Smilax, large cases, \$4.50 per case.

15 Diamond Square, PITTSBURG, PA.

## Wholesale Flower Markets

| PITTSBURG, Feb. 23.             | Per 100     |
|---------------------------------|-------------|
| Roses, Beauty, special.         | 25 00@40 00 |
| extra.                          | 15 00@20 00 |
| No. 1.                          | 8 00@12 00  |
| Bride, Bridesmaid.              | 4 00@8 00   |
| Chatenay.                       | 4 00@8 00   |
| Killarney.                      | 4 00@8 00   |
| My Maryland.                    | 4 00@8 00   |
| Richmond.                       | 4 00@8 00   |
| Carnations.                     | 1 00@2 00   |
| Bouvardias.                     | 2 50@3 00   |
| Callas.                         | 10 00       |
| Cattleyas.                      | 50 00@60 00 |
| Cypripediums.                   | 15 00       |
| Daffodils.                      | 3 00@4 00   |
| Gardenias.                      | 35 00@50 00 |
| Hyacinths, Romans.              | 2 00        |
| Lilac, white.                   | 1 00@1 50   |
| Lilium Longiflorum.             | 12 00       |
| Lily of the Valley.             | 4 00        |
| Mignonette.                     | 4 00        |
| Narcissus.                      | 2 00@3 00   |
| Pansies.                        | 2 00        |
| Primroses.                      | 50@ 75      |
| Sweet Peas.                     | 50@ 1 00    |
| Tulips.                         | 50@ 3 00    |
| Violets, double.                | 50@ 75      |
| single.                         | 1 25        |
| Adiantum.                       | 1 50        |
| Asparagus Sprengeri, per bunch. | 50          |
| strings, per string.            | 50          |
| sprays, per bunch.              | 50          |
| Smilax.                         | 15 00       |

| PHILADELPHIA, Feb. 23. | Per 100     |
|------------------------|-------------|
| Roses, Beauty, extra.  | 40 00@75 00 |
| first.                 | 25 00@35 00 |
| Brides and Maids.      | 6 00@10 00  |
| Tea.                   | 6 00@10 00  |
| extra.                 | 12 00@25 00 |
| Carnations.            | 4 00@6 00   |
| Cattleyas.             | 50 00@75 00 |
| Lilium Harrisii.       | 12 00@15 00 |
| Lily of the Valley.    | 4 00@5 00   |
| Mignonette.            | 5 00@6 00   |
| Sweet Peas.            | 75@ 1 00    |
| Violets, single.       | 75@ 1 00    |
| double.                | 1 00@1 50   |
| Smilax.                | 15 00@20 00 |

| BOSTON, Feb. 23.     | Per 100     |
|----------------------|-------------|
| Roses, Beauty, best. | 25 00@50 00 |
| medium.              | 15 00@25 00 |
| culls.               | 5 00@10 00  |
| Bride, Bridesmaid.   | 4 00@6 00   |
| Extra.               | 6 00@8 00   |
| Carnations.          | 2 00@3 00   |
| selected.            | 25 00       |
| Callas.              | 8 00@16 00  |
| Cattleyas.           | 50 00@75 00 |
| Lilium Longiflorum.  | 10 00       |
| Lily of the Valley.  | 2 00@4 00   |
| Smilax.              | 12 00@16 00 |

## The McCallum Co., Inc.

"WE HAVE THE STOCK"

Qualities Best.  
Prices Right.

937 Liberty Ave., Pittsburgh

## Pittsburgh Cut Flower Co.,

Wholesale Florists and Growers,

The House that has and sells good goods at fair prices.

Salesrooms, 222 Oliver Ave.

PITTSBURGH, PA.

Choice Assortment of CUT FLOWERS will be found here.

WRITE FOR PRICES.

W. E. McKissick & Bros.

WHOLESALE FLORISTS.

Business Hours 7 a. m. to 8 p. m. 1619-1621 Ranstead St., PHILADELPHIA, PA.

Absolutely  
The Best Possible  
Service.

EVERYTHING A FLORIST USES.

## The Denver Wholesale Florist Co.

1433-35 California St.

Mention the American Florist when writing

## J. B. Murdoch & Co.

714 Penn Avenue

PITTSBURG, PA.

All Flowers in Season. Send for list.

Mention the American Florist when writing

## RICE BROTHERS

Wholesale Florists and Supplies.

115 N. 6th St., MINNEAPOLIS, MINN.

Cut Flowers received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities.

Milwaukee.

There is a greatly increased supply of all kinds of stock in the market this week. Carnations are extra fine and prices low. Roses have arrived all week in increased numbers, and all kinds of bulbous stock and spring flowers are plentiful.

—THE—

J.M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES  
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

## THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

## Weiland & Olinger,

128 E. Third St., CINCINNATI, O.

Wholesale Growers and  
Shippers of Cut Flowers.

Carnation Georgia, \$12.00 per 100; \$100.00 per 1000  
Greenhouses, NEW CASTLE, IND.



# A. L. YOUNG & CO. and Manhattan Flower Market

54 West 28th St., 3559 Telephone, Madison Square,

46 W. 28th St., 1016 Mad. Sq., Telephone, New York

**WHOLESALE FLORISTS.** Consignments of Choice Cut Flowers Solicited. Prompt Payments. Give Us a Trial  
Mention the American Florist when writing

## New York.

### A BAD WEEK.

The business of the past week was about as bad as it could be at this season of the year. A leading wholesaler said, about the middle of the week: "I have often seen a better market in summer than we have had today." That is a good index to prevailing conditions. Carnations, tulips and lily of the valley have been practically a glut and the buyers have been fixing their own prices. There has been more than enough of roses to supply all demands and it has been hard to clean them up. Violets, as usual, are being hawked about the streets in large quantities. American Beauty roses are about the only stock that has shown any life, the supply being limited. The price of specials has pushed up to 50 and 60 cents each. There has been a number of dinners that called for good decorations, but they had little noticeable effect in reducing the surplus. An over supply of bulb stock has gone far toward demoralizing the market and there is little prospect of relief until arrivals diminish.

February 21.—There is little change in the condition of the cut flower market; if anything, it is worse. American Beauty roses are scarce and prices have been pushing up, but there is no heavy demand. There was a reasonably fair clean-up today, but on falling prices. Tomorrow, Washington's birthday, being a holiday, but little business is expected.

### NOTES.

The meeting and exhibition of the American Rose Society, next month, in this city, is awakening great interest. The American Museum of Natural History is an ideal place in which to hold an exhibition. The Florists' Club is making ample preparations to entertain the visitors and there seems to be no obstacles in the way of a most successful meeting and exhibition. President Pierson, of the S. A. F., is greatly interested; then there is ex-President Robt. Simpson, of the Rose Society, who ships to this market, and many others who will make the visiting brethren feel at home.

On February 19, A. L. Young & Co. received two cases of white and purple lilac, cut stock in flower, from Rotterdam, Holland. On account of the steamer on which the shipment arrived being delayed by a storm, it was seven days enroute, but arrived in very fair condition. The duty on this stock was 25 per cent ad valorem. If it can be successfully shipped to this country and sold at a profit our home growers may get anxious.

Robt. G. Wilson, who has two fine stores on Greene avenue, Brooklyn, is doing a fine business and showing noteworthy features at both. The store at Fulton street and Greene avenue is headquarters for his corsage bouquet holder, which is a popular device and sells well. At his other store, 341 Greene avenue, there are extensive conservatories attached and a fine display of foliage and flowering plants may always be seen.

Harry Jacobs, a well known member of the firm of S. Jacobs & Sons, who are extensive dealers in green-

house material, on Flushing avenue, Brooklyn, has just recovered from a very severe attack of pneumonia. He was confined to his room for two months and at times his life was despaired of. It is a great pleasure to his many friends to see him again at business, in good health and spirits.

John M. Hunter, an extensive grower, of Englewood, N. J., was in the city, February 19. Mr. Hunter is a grower of long experience and an interesting talker on horticultural topics. His cut flowers are handled by Chas. Millang.

Among the suitable stocks of carnations seen in this market, that of Ford Bros. is every day worthy of mention. Much of their stock is from the range of Henry Hession, Flatbush, who has a fine reputation as a grower.

Joseph G. Messman, a young man well known in the trade of this city, has taken the store at 2787 Broadway, formerly occupied by Humphrey & Co. He is an energetic young man and deserves success.

Frank D. Hunter, of J. H. Small & Sons, who, as previously reported, was seriously injured by being run down by an automobile, has so far recovered that he was able to visit the store on February 21.

Daniel S. Holden, for years a retailer at 621 Broadway, died of pneumonia February 11, in his home at 430 West Twentieth street.

## The Horticultural Society of New York.

The first meeting of the orchid section was held at the American Museum of Natural History on Wednesday, January 26, at 8 p. m., Clement Moore, chairman of the section, in the chair. A most enjoyable evening was spent, all present taking an active part in the proceedings. It is especially desirable that the meetings of the section assume an informal character, so that all may feel at home and free to enter into the discussion. It was the presence of this feeling which made the first meeting so enjoyable and an endeavor will be made to foster this condition.

Responding to the invitation extended in the announcement of the first meeting, a number brought interesting flowers for exhibition and discussion. E. H. Roehrs exhibited a large collection of cut cypripediums, especially noteworthy among these being Harefield Hall, Julius Roehrs, Wm. McKinley, Stevens, and Aureum Virginalis. J. A. Manda showed a fine form of Cypripedium Charles Canham. Lager & Hurrell added to the interest with a number of plants, among them being a fine form of Odontoglossum crispum and Miltonia Phalanopsis. George V. Nash exhibited cut blooms of some of the unusual plants of the Oakes Ames collection, now forming a part of the orchid collection of the New York Botanical Garden. Among these were: *Tainia viridi-fusca*, often known as *Calanthe viridi-fusca*, from India; an attractive form of *Paphiopedilum tonso-Chamberlainianum* and *Paphiopedilum*, Duchess of Sutherland. An *oncidium*, perhaps an undescribed species, from the higher elevations of Ecuador, was also shown.

On March 16 to 18 a joint exhibition of the American Rose Society and The Horticultural Society of New York will be given at the American Museum of Natural History. Those who were present at the successful exhibition given by this society last fall at the same place, are fully aware of the great advantages offered by the American Museum of Natural History for conducting large exhibitions, and those who did not avail themselves of the privilege then are invited to come now and see for themselves. There is plenty of room for all, so that each one may feel free to make his exhibit as large and as complete as he desires.

## New York Florists' Club.

The twenty-third annual dinner of the New York Florists' Club will take place at the Fifth Avenue restaurant, in the new Fifth Avenue building, Twenty-fourth street, west of Broadway, Thursday evening, March 17 (St. Patrick's day) at 7:30 o'clock.

Gentlemen's tickets will be \$4, ladies' \$3. Tables will be arranged to seat from 4 to 10 people each, so that members may entertain their guests at an individual table, a feature that added so much to the general sociability last year.

The special feature of this year's dinner will be the entertainment of the visiting members of the American Rose Society, as guests of the club; consequently, it is hoped that the members of the New York Florists' Club and their friends will turn out in full force and make this a red-letter occasion.

Please make your application for tickets at once to secure the best location in the room, as assignments of tables will be made in the order in which they are received.

Please make check payable to W. F. Sheridan, chairman of the dinner committee. WALTER F. SHERIDAN,

39 West 28th Street.

JOHN B. NUGENT, JR.,

CHARLES SCHENCK,

CHARLES H. TOTTY,

Committee.

## Pittsburg.

There has not been much change in the market since last writing. Roses are more plentiful owing to the past few days of sunshine. Washington's birthday caused quite a call for Beauties, Richmonds and red carnations; in fact, red carnations were very scarce. Orchids are moving very slowly, hand in hand with lily of the valley, and some very fine tulips and lilies are seen.

Mrs. Jacob Elicker, Homestead, is going to move from her present location to a new store at 312 Eighth avenue.

It is reported that several retailers were guilty of selling artificial violets and orchids St. Valentine's day.

J. B. Smith, McKeesport, has been very busy with funeral work.

Geo. L. Huscroft, Steubenville, O., is in town enroute to Buffalo.

Harry Hamm, Homewood, has been laid up with a cold.

J.



1887

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1910

**J. K. ALLEN,****Wholesale Commission Florist,**  
Established 1887.

106 West 28th Street,

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Open the year around to receive shipments of Cut Flowers.

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Phones, 798 and 799.

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Telephone 2065-2066 Madison Square.

42 West 28th Street,  
To out-of-town florists  
We are in the Heart of

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And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

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PHONES, 1664-1665 MADISON SQUARE  
ENOUGH SAID**Moore, Hentz  
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Telephone No. 756  
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Give us a  
Trial.  
We can  
Please you.Roses, Carnations and all kinds of  
Seasonable Flowers in Stock.**WM. F. KASTING CO.** Wholesale  
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BUFFALO, N. Y.  
Florists' Supplies and Wire Designs.

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Telephones: 4620 4621 3864 Madison Sq.

**VIOLETS CARNATIONS  
AND ROSES**

Shipping Orders Receive Prompt Attention.

BELOIT, WIS.—John Rindfleisch will soon erect a new greenhouse to cost \$6,000. It is to consist of four sections, each 25x100 feet, and in addition to this an office, potting room, and boiler room will occupy a space of 29x100 feet.

**Wholesale Flower Markets**

| NEW YORK, Feb. 23            |    |          |
|------------------------------|----|----------|
| Roses, Beauty, special       | 40 | 00@50 00 |
| fancy                        | 25 | 00@35 00 |
| Bride, Bridesmaid, special   | 8  | 00@10 00 |
| extra and fancy              | 6  | 00@8 00  |
| No 1 and No 2                | 3  | 00@4 00  |
| Killarney, special           | 10 | 00@12 00 |
| extra and fancy              | 6  | 00@8 00  |
| No.1 and No. 2               | 3  | 00@5 00  |
| My Maryland                  | 4  | 00@12 00 |
| Richmond                     | 3  | 00@15 00 |
| Carnations                   | 50 | @2 50    |
| Callas                       | 1  | 00@1 25  |
| Cattleyas                    | 25 | 00@50 00 |
| Gardenias                    | 2  | 00@4 00  |
| Hyacinths                    | 1  | 00@1 25  |
| Lilium Longiflorum           | 5  | 00@6 00  |
| Lily of the Valley           | 1  | 00@2 50  |
| Mignonette                   | 50 | @1 00    |
| Narcissus Paper White        | 1  | 00@1 50  |
| Yellow                       | 1  | 00@2 00  |
| Sweet Peas, per doz. bunches | 75 | @1 25    |
| Tulips                       | 1  | 00@2 00  |
| Violets                      | 25 | @50 50   |

| BUFFALO, Feb. 23.      |          |          |
|------------------------|----------|----------|
| Roses, Beauty, special | 5        | 00       |
| fancy                  | 4        | 00       |
| extra                  | 3        | 00       |
| Bride, Maid, Killarney | 4        | 00@12 00 |
| Carnations             | 2        | 00@3 00  |
| Callas                 | 10       | 00@12 00 |
| Daffodils              | 3        | 00@4 00  |
| Daisies                | 1        | 00@1 50  |
| Hyacinths, Romans      | 2        | 00@3 00  |
| Jonquils               | 3        | 00@4 00  |
| Lilium Longiflorum     | 12       | 00@15 00 |
| Lily of the Valley     | 3        | 00@4 00  |
| Mignonette             | 3        | 00@5 00  |
| Narcissus              | 2        | 00@3 00  |
| Stevia                 | 1        | 00@1 25  |
| Sweet Peas             | 5        | @1 00    |
| Tulips                 | 2        | 00@4 00  |
| Violets, double        | 50       | @75 75   |
| Adiantum               | 75       | @1 50    |
| Asparagus              | 25       | 00 50 00 |
| Asp. Plumosus strings  | 40       | @50 50   |
| Boxwood                |          | 75       |
| Ferns                  | per case | 2 00     |
| Galax, Green or Bronze | per 1000 | 1 50     |
| Leucothoe              |          | 75       |
| Smilax strings         |          | 15 00    |

**August Millang**

WHOLESALE FLORIST

41 W. 28th St., NEW YORK

**N.Y. Cut Flower Exchange**

Coogan Bldg., 6th Ave. &amp; W. 26th St., New York.

Open for Cut Flower Sales at 6  
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Desirable Wall Space to Rent for Advertising.

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American Beauty Roses a specialty. Roses,  
Violets, Carnations, Valley, Lilies, Etc.

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**Walter F. Sheridan**

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

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**JOHN I. RAYNOR**Are the best product of the best growers  
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Adiantum Croweanum sold here exclusively.

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Wholesale Plantsmen and Florists.

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All flowers in season. Consignments of first  
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Telephones 4626 and 4627 Madison Square



## Greens! Greens! Greens!

**Boxwood**, per case, 50 lbs., \$6.00; 100 lbs., \$11.00  
**Leucothoe Sprays**, per 100, 50c; per 1000, \$4.00.  
**Galax**, green and bronze, per 1000, 75c; per case 10.000, \$6.00.  
**Wild Smilax**, per 50-lb. case, \$5.00; 2 case lots, \$9.00; 4 case lots, \$16.  
**Smilax**, per dozen strings, \$1.50.  
**Fancy Eastern Ferns**, per 1000, \$1.75; 5,000 lots, \$8.00.  
**Green Sheet Moss**, per bundle, \$1.00.  
**Sphagnum Moss**, per bundle, \$1.00.

## William Murphy,

Wholesale Commission Florist.

L. D. Phone M 980. 311 Main St., Cincinnati, O.

## George Cotsonas & Co.

Wholesale and Retail Dealers  
in all kinds of

**Evergreen**

Fancy and Dagger  
Ferns, Bronze and  
Green Galax,  
Phone 1202 Mad. Sq.

MainStore, 50 W. 28th St., NEW YORK.

## New Crop Ferns

**FANCY and DAGGER** ready May 1st.  
Special price for large orders  
Price \$1.25 per 1000.

**CALDWELL THE WOODSMAN CO.,**  
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Covers all Points in Michigan. Best of  
Shipping Facilities in all Directions.  
Always has the best of Everything.

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## FRANK F. CRUMP,

Wholesale and Retail Florist.

**MICHIGAN.** Orders will be carefully  
cared for by

**HENRY SMITH,**

Wholesale and Retail Florist of GRAND RAPIDS.

**GEO. A. HEINL,** Leading Florist,  
TOLEDO, OHIO.

All Orders Promptly Executed.

Dobbs Ferry, N. Y.

The Horticultural Society held its regular meeting February 12 at its rooms in Odd Fellows hall. The following were appointed a committee to arrange for a June show: R. Borham, H. Keling, P. Clinton, R. Hutchins, J. Schriber, C. Wilson and H. Harms. Prizes were offered by the president for cut flowers of any kind, except roses. R. Borham, gardener to the J. J. McComb estate, took first prize; F. Bradley, gardener to Mrs. S. Goodman, second. There were seven entries.



FANCY.

## Henry M. Robinson & Co.

Wholesale Commission Florists.

**Cut Flowers** of all kinds, **Hardy Cut Evergreens** and **Florists' Supplies.**

**Dagger and Fancy Ferns**.....\$1.50 per 1000  
**Bronze and Green Galax**.....\$1.00 per 1000; 8.50 per 10 000  
**Leucothoe Sprays**.....\$1.00 per 100; \$7.50 per 1000

**Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays,**

A large stock constantly on hand. Can fill orders at a moment's notice, Telephone or telegraph.

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## FANCY FERN, \$1.75 per 1000

**New Crop Galax**, Bronze or Green.....\$1.25 per 1000; 10.000, \$7.50  
**Sphagnum Moss**, large bales.....\$1.25; 6 bales, \$7.00. Extra fine  
**Leucothoe Sprays**, Green and Bronze.....\$1.00 per 100; \$7.50 per 1000  
**Boxwood**.....per bunch, 35c; 50-pound case, \$8.50

Florists in the Middle and Western States can save money  
by placing their orders with us. A trial order solicited.

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All phone connections.

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## HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

**462 Milwaukee St., MILWAUKEE, WIS.**

## Wholesale Flower Markets

| St. Louis, Feb. 23.              |             |
|----------------------------------|-------------|
| Roses, Beauty, long stems.....   | 30 00@40 00 |
| "    "    medium stems.....      | 15 30@20 00 |
| "    "    short stems.....       | 4 00@ 6 00  |
| "    Bride, Bridesmaid.....      | 5 00@10 00  |
| "    Chatenay.....               | 5 00@10 00  |
| "    Killarney.....              | 5 00@10 00  |
| "    My Maryland.....            | 6 00@10 00  |
| "    Richmond.....               | 6 00@10 00  |
| Carnations.....                  | 1 00@ 1 50  |
| fancy.....                       | 2 00@ 2 50  |
| Callas.....                      | 10 00       |
| Easter Lilies.....               | 10 00       |
| Hyacinths, Roman.....            | 1 50@ 2 00  |
| Jonquils.....                    | 2 50@ 3 00  |
| Narcissus.....                   | 2 00@ 2 50  |
| Sweet Peas.....                  | 25@ 50      |
| Adiantum.....                    | 1 50        |
| Asparagus Sprengerii.....        | 2 00@ 3 00  |
| cut sprays.....                  | 1 00@ 2 00  |
| Ferns, fancy..... per 1000, 2 00 |             |
| Smilax.....                      | 12 50@15 00 |

| CINCINNATI, Feb. 23.               |             |
|------------------------------------|-------------|
| Roses, Beauty.....                 | 2 00@ 6 00  |
| Bride, Bridesmaid.....             | 3 00@ 8 00  |
| Golden Gate.....                   | 3 00@ 8 00  |
| Killarney.....                     | 4 00@10 00  |
| Richmond.....                      | 4 00@10 00  |
| Carnations.....                    | 2 00@ 3 00  |
| Callas.....                        | 12 50       |
| Hyacinths, Roman.....              | 3 00        |
| Lilium Longiflorum.....            | 15 00       |
| Lily of the Valley.....            | 4 00        |
| Narcissus, Paper White.....        | 3 00        |
| Violets, single and double.....    | 1 00@ 1 50  |
| Adiantum.....                      | 1 00@ 1 50  |
| Asparagus Sprengerii, per bch..... | 25          |
| Ferns, Eastern..... per 1000, 1 50 |             |
| Galax, Bronze..... per 1000, 1 25  |             |
| Smilax.....                        | 12 50@20 00 |

| MILWAUKEE, Feb. 23.               |            |
|-----------------------------------|------------|
| Roses, Beauty.....                | 1 50@ 6 00 |
| Bride, Bridesmaid.....            | 5 00@12 00 |
| Killarney.....                    | 5 00@12 00 |
| Liberty, Chatenay.....            | 2 00@ 8 00 |
| Perle.....                        | 4 00@10 00 |
| Richmond.....                     | 4 00@10 00 |
| Carnations.....                   | 1 50@ 4 00 |
| Freessias.....                    | 3 00       |
| Lilium Giganteum.....             | 15 00      |
| Longiflorum.....                  | 15 00      |
| Lily of the Valley.....           | 3 00@ 4 00 |
| Narcissus, Paper White.....       | 3 00       |
| Trumpet Major.....                | 3 00@ 4 00 |
| Von Sion.....                     | 3 00@ 4 00 |
| Sweet Peas.....                   | 75@ 1 00   |
| Tulips.....                       | 3 00@ 4 00 |
| Violets.....                      | 50@ 1 00   |
| Adiantum.....                     | 1 50       |
| Asparagus..... per string, 50@ 60 |            |
| Plumosus, per bunch, 35@ 50       |            |
| Sprengerii, per bunch, 35         |            |
| Ferns, Fancy..... per 1000, 2 00  |            |

## C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Mention the American Florist when writing

## WM. C. SMITH

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Supplies and Everything in Season always on hand

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Perpetuated and Natural Sheet

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**Seattle,  
Wash.**

**L. W. McCOY**



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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

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TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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## The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in  
NORTHERN OHIO.

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## Matthews,

—FLORIST—

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Flowers in any arrangement for all occasions,  
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St. Paul, Minn.

## HOLM & OLSON, ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in  
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Telegraph Orders  
A Specialty.

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Order your flowers for delivery  
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Successor to Sievers and Boland

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## Atlanta Floral Co.

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H. L. BLIND & BROS.,

Two Stores: Liberty Av. & 5th St., 5424 Center Av.  
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## DARDS

N. E. Corner 44th St.  
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Choice Cut Flowers



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D. C.

Gude's

Washington, D. C.

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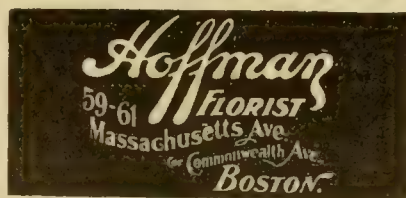
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Flowers or Design Work.

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Corner Miami and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good  
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Geo. M. Kellogg Flower and Plant Co.,  
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Will fill all orders for Cut Flowers, Funeral  
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We are in position to fill promptly all mail, tele-  
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quality stock in season.

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Largest Floral Establishment in America  
Established 1874. Incorporated 1909.

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*M.A. Rowe*

IN HEART OF NEW YORK CITY

Phone 2270 38th St. 1294 Broadway

Our Motto—THE GOLDEN RULE

Evansville, Ind.

—THE—

Wm. Blackman Floral Co.

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Prompt attention given to all mail, telephone  
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"Successor to Chas. W. Reimers.

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Established in 1857.



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Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

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Long Distance Phone.

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CUT FLOWERS

For Tourists and General Trade.  
Wire or mail. Highest Grade Stock Only.

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Battle Creek, Mich.

H. A. FISHER CO.

Wholesale and Retail Florists.  
We Handle Everything in Season.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper  
care of your orders in Wisconsin.

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled  
promptly with the choicest stock.

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D. C.

14th and H Streets.

*Blackstone*

Also

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Baltimore, Md.

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WILLIAM L. ROCK,  
Flower Co.,

Will carefully execute orders for  
Kansas City and any town in  
Missouri, Kansas or Oklahoma.

New York.

The Flower Shop

136 W. 42nd St. Phone 259 Bryant.  
Near Knickerbocker Hotel.

Finest quality of Roses, Orchids, Gardenias, etc.  
Particular attention paid to Steamer and Hotel orders.

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Send flower orders for delivery in  
**Boston and all  
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To THOS. F. GALVIN, Inc.,  
124 TREMONT ST.

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CLEVELAND, O.

We Cover All Points in Ohio.

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Write, Wire or Phone Your Orders to  
**YOUNGS**  
1406 Olive Street,  
Regular discount allowed on all orders, either  
Plants or Cut Flowers.  
Phones Bell, Main 2306, Kinloch, Central 4981

Kansas City, Mo.

Samuel Murray

..... FLORIST .....

1017 Broadway Coates House  
Both Phones 2670 Main Conservatory

Write, Telephone All orders given prompt  
or Telegraph attention.

New York.

We Guarantee Satisfaction.

*A. J. Bunyard*

413 Madison Ave. cor. 48th St.

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"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.  
Greenhouses: Short Hills, N. J.

— Deliveries in —

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Best Quality on Shortest Notice

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Order by mail, telephone, telegraph or  
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Canada's best known and most reliable florist

Only  
the  
Best **Dunlop's**  
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We deliver anywhere in Canada and guarantee  
safe arrival.

Send Advs. Early for Best Service.



# The Ideal Red Carnation

# O. P. BASSETT

It has been the *Leading Red Carnation* in this market, bringing the highest price of any and selling the best. It has paid us more money per square foot of bench than any other variety. The flowers are 3 1-2 inches in diameter, a deep brilliant red, and borne on long stiff stems. Winner of First Prize everywhere. Rooted cuttings, **\$50.00 per 1000; \$6.00 per 100.**

**Buy Direct From the Originators.**

## Bassett & Washburn,

Office and Store, 76 Wabash Ave., Chicago. Greenhouses, Hinsdale, Ill.

### Cleveland.

#### A TRIFLE SLOW.

The market has been a little slow the past week. Carnations piled up rapidly until a good sized glut was on. Selling them in job lots at reduced prices helped to move a considerable quantity. Roses, not quite so plentiful, fared much better, at no time being in excess of a good demand. Bulbous stock is coming in very strong, tulips and daffodills being most plentiful. Callas and Harrisii lilies are plentiful and meet with a ready sale. Sweet peas and violets are selling exceptionally well. A few Rubrum lilies are in but are in no demand. Asparagus plumosus and A. Sprengeri are still very scarce. Adiantum is plentiful and of good quality. String smilax is having a good call.

#### NOTES.

The automobile show, which opens March 5, promises to be the finest ever held in the city. Speaking of the decorations a local newspaper says: "The flower scheme will consist of Crimson Rambler roses and Japanese wistarias in full bloom. Reaching from the floor these will extend about the building, covering the walls and balconies. While thousands of artificial flowers will be used, there will also be a large number of natural flowers, which will be renewed as often as necessary. In the heart of each artificial flower will be hidden an electric light, giving a most beautiful effect."

All the retail stores had attractive St. Valentine windows. Smith & Fetter's window was arranged very artistically in pink and white, heart shaped baskets filled with violets, valley and orchids; a large double heart of pink carnations tied with a lover's knot of white carnations was the centerpiece; large hearts made up entirely of pink

roses were also a part of the decoration scheme, together with an up-to-date valentine which held the attention of passersby.

Some very attractive St. Valentine windows were shown in downtown retail stores. Smith & Fetter's window for Geo. Washington's birthday was very artistic. A tree stump with a hatchet buried in it, and above this Washington's picture draped with the stars and stripes, with Jerusalem cherries tied with red and white bows, made a beautiful and attractive window display.

At the opening of H. Piggott's new store, February 12, in the Taylor arcade, everything looked very business-like, and the store was artistically decorated with cut flowers and plants. Mr. Piggott's years of experience, together with his able force of clerks, will positively make for success. Many beautiful baskets, plants and other gifts were sent from fellow craftsmen of the city.

Ed. Travers, 8416 Hough avenue, has had his eye open for a good business partner for some time. He was married recently and we take it for granted Ed thought that was a good way to hold a partner. Ed reports business good, and his partner is a hustler. We wish them all kinds of success.

At the Halle Bros.' opening February 21, were some of the most artistic designs in floral work ever seen, besides large baskets filled with American Beauty, Richmond and Killarney roses, etc. A shoe and ladder of success were two very odd and artistic designs.

At the Jones-Russell Co.'s store, lily of the valley, violets, orchids and other flowers most appropriate for St.

Valentine's day were daintily arranged, the entire store giving the effect of one large St. Valentine's day decoration.

Ed. Travers, 8416 Hough avenue, has had his eye open for a good business partner for some time; he was married recently, and he now has a life partner. We wish him all kinds of happiness and prosperity.

In the Gasser Co.'s window a large heart, shaped from wood with little shelves on which were vases of violets, valley and orchids, made a very pretty window decoration.

H. Piggott, Taylor arcade, says business has been very good with him since the opening, Saturday, February 12.

G. M. Naumann & Son will remove to their new store at 10515 Superior street on or about March 1.

#### BOWLING.

At a hard-fought battle on the Schwartzerberg alleys between the wholesale and retail florists, the wholesalers again demonstrated that they are the better players.

The retailers won the second game of a series of three, the past week, but this week's game decides who is who. Following are the scores of the second game:

| Wholesalers— | 1st | 2nd | 3rd | 4th |
|--------------|-----|-----|-----|-----|
| G. Smith     | 122 | 104 | 136 | 118 |
| Geo. Bates   | 148 | 137 | 168 | 134 |
| Herb. Bates  | 144 | 159 | 142 | 147 |
| Guy Bates    | 129 | 121 | 167 | 126 |
| F. Friedly   | 173 | 190 | 172 | 152 |

| Retailers— | 1st | 2nd | 3rd | 4th |
|------------|-----|-----|-----|-----|
| W. Krutzen | 159 | 184 | 136 | 122 |
| H. Knoble  | 143 | 134 | 158 | 136 |
| F. Knoble  | 152 | 204 | 148 | 161 |
| O. Crabbe  | 179 | 151 | 149 | 97  |
| C. Russell | 115 | 148 | 137 | 183 |

|  |     |     |       |     |
|--|-----|-----|-------|-----|
|  | 748 | 821 | 728   | 699 |
|  |     |     | C. B. |     |



## The Seed Trade.

### American Seed Trade Association.

J. C. Robinson, Waterloo, Neb., Pres.; M. H. Duryea, New York, First Vice-Pres.; F. W. Bolgiano, Washington, D.C., Second Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.; Leonard H. Vaughan, Chicago, Asst. Sec'y. Twenty-eighth annual convention, at Atlantic City, N. J. June 21, 1910.

RED CLOVER seed dropped 35 cents per bushel at Chicago, Friday, February 18.

OLNEY, ILL.—The weather has been so very severe this winter that mining sand for Red Top mixing has been slow work.

THE National Seed Co. has been incorporated at St. Louis, Mo., with a capital of \$20,000, 50 per cent paid in. A. W. Schisler will be, it is understood, the head of the new concern.

GRAND JUNCTION, COLO.—The Grand Junction Seed Co. has been incorporated with capital stock of \$10,000. The incorporators are Whit Rozelle, H. M. Cannon and Luther N. White.

THE name of Chas. P. Braslan, of San Jose, Calif., is mentioned as a likely candidate for congress to represent the republican machine in the forthcoming battle to unseat Congressman "Red" Hayes.

MRS. E. L. COY.—On February 13 at 74 years of age, Mrs. Coy passed away at Melrose, Mass. Her son, C. P. Coy, of Waterloo, Neb., arrived three days earlier. Her husband will remain at the old home, his health, while not of the best, being still fairly good.

NEW YORK.—Wm. Elliott, head of the firm of Wm. Elliott & Sons, is again at his desk after two weeks' jury service. This firm's first spring auction will take place on March 15, when a large stock of conifers and hardy roses will be offered.—The improvements in the Peter Henderson Co.'s store are about completed, and in addition to great interior improvements, they now have the finest show windows on Cortlandt street.—Harry Bunyard of A. L. Boddington's seed store, reached home February 21, after an extended trip. He has been at Halifax, N. S., Chicago, New Orleans and other intermediate points. Incidentally the boys in the store are working nights filling the orders which he gathered in.—Chas. Loechner was up for the first time last week.

## Braslan Seed Growers Co.

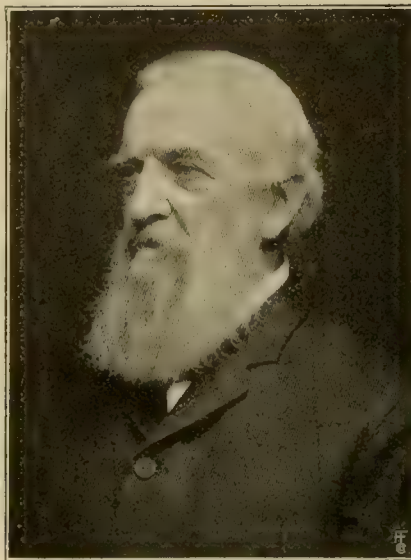
Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

**SAN JOSE, CALIF.**

JOHN H. ALLAN.—It is not generally known that John H. Allan, the famous Canadian pea grower, passed away on October 24, 1909, after a long illness. He had been in failing health for three years. He leaves a widow, now residing at Picton, Ont. News of Mr. Allan's death reached this country through London.

CHICAGO.—Contract prices on the board of trade February 23, for grass seed were noted as follows: Timothy, \$4.05. White clover, from 20 cents to 25 cents.—The Holland (Dutch) Bloemkweeker Klester Vereeniging at the Hotel Bismarck. Broeder Kapt-jyn, Sr., in the chair, adjourned for



The Late Joseph B. Fuller.

See Obituary, Page 219.

the season after the night session on Washington's birthday.—Visitors: W. Brotherton, of Jerome B. Rice & Co., Detroit, Mich.; Robert Fulton, of Henry & Lee, New York; H. Suzuki, Japan; D. E. Martin, Salem, Ill.; S. Tokuda, New York.

HOLLISTER, CALIF.—Articles of incorporation have been filed with the secretary of state of California for the incorporation of the Pieters-Wheeler Seed Co., which will take over the seed growing business of A. J. Pieters. The stock was subscribed in the entirety by the following, who are also directors: A. J. Pieters, presi-

dent; H. M. Pieters, vice-president; L. W. Wheeler, secretary. Mr. Wheeler is well known in the seed trade, having been for some time manager of Vaughan's Seed Store, New York, and for the past three years identified with Californian seed growing interests, having represented A. J. Pieters during the past season.—Hollister Free Lance, February 17.

### The Business Outlook.

St. Paul, Minn.—L. L. May & Co., write: "From present indications the season of 1910 seems to be considerably behind the previous season, both in regard to the volume of business and to the dates of shipping. While the season seems to be several weeks late in different localities, still we expect a little later that conditions will change so that the demand will be fully as great as in 1909. We are considerably behind last year in the volume of business done and believe it will require an early spring to enable us to do the volume of business which we have done previously."

Minneapolis, Minn.—Northrup, King & Co. write: "We have had a switchmen's strike here since December 1, which has paralyzed business. We usually figure on shipping large quantities of seed grain during January, but on account of the delay on the part of the railroad companies in getting goods in and out of town, a great deal of this trade has gone to other centers this year. Traffic, at the present time, is in a most deplorable condition. It will be a serious handicap to the spring trade if things do not change very rapidly. Mail business is fairly satisfactory."

Rochester, N. Y.—James Vick's Sons write: "The season of 1910 seems to be rather a peculiar one in many ways. The early calls for catalogues was greater than last season or the season before and the seed orders for January a trifle behind last year. February business is very encouraging, even with the storms and snows, which undoubtedly are holding back many orders. Notwithstanding this, we are running about even with last year and with better weather conditions will probably run ahead."

Philadelphia, Pa.—W. Atlee Burpee & Co., state that business is "running just about the same as last year, which is all we could ask considering that there are many shortages upon which we have to decline large orders. Were it not for this feature, business would be considerably ahead of last year." I. N. Simon & Son say that they are head and ears in work, running nights until 11 p. m.

Cincinnati, O.—The J. M. McCullough's Sons Co. says: "The seed business has been opening up very well with us, particularly in the grass seed department. The frequent decided changes in the weather show tendencies to check it off, but considering the weather we think it is better and more favorable than a year ago. We anticipate a very good season."

New York.—J. M. Thorburn & Co. say that the season has opened up very favorably indeed and, so far as they are concerned, the indications for a good spring business were never better.

## Peas AND Beans

Alfred J. Brown Seed Co.,

Growers for the Wholesale Trade.

GRAND RAPIDS, MICH.





**VAN ZANTEN BROTHERS**

Royal Netherland Bulb Nurseries  
and Export Trade.

**HILLEGOM, HOLLAND,**

Wholesale growers of the leading sort of  
Hyacinths, Tulips, Narcissus, Crocus,  
Spireas, Gladiolus, Peonies, etc., etc.

Write our traveler. **MR. G. HYLREMA**, care of  
Messrs. Maltus & Warc, 14 Stone St., New York,  
for Catalogue and Special prices of all

**HOLLAND BULBS AND PLANTS**

Mention the American Florist when writing

**S. D. WOODRUFF & SONS,  
SEED GROWERS**

Dealers in Garden, Field and Flower Seeds.  
Specialties: Beet, Carrot, Corn, Peas,  
Beans, Onion Sets and Seed Potatoes.  
Catalogue free. Contracts taken.

82-84 Dey Street,

Orange, Conn. **NEW YORK.**

Mention the American Florist when writing

GET QUOTATIONS FROM

**LANDRETH**

SEEDS which SUCCEED

Bloomsdale **Bristol, Pa.**  
Farm.

Mention the American Florist when writing

**Fine Aster Seed**

Catalogue Now Ready.

**VICK & HILL CO.,**

Box 613, Rochester, N. Y.

Mention the American Florist when writing

ESTABLISHED IN 1824.

**Bridgeman's Seed Warehouse**

RICKARDS BROS., Props.,

37 East 19th St., New York  
bet Broadway and 4th Ave.,

Telephone 4235 Gramercy.

**H. WREDE,  
LUNEBURG, GERMANY  
PANSY SEED**

176 First Prizes, the highest awards  
Chicago, Paris, London, Dusseldorf  
1000 seeds, finest mixed... 25c  
1 oz. ..\$2.25

Price list on application. Cash with order.

CLEARING SALE

**Perennial Rye Grass**

(Lolium Perenne), crop 1909. The heaviest  
seed ever imported, weighing 26 lbs. per bushel.  
Samples on request: 1 lb. 6c; 100 lbs., \$5.50 f.o.b.  
New Orleans.

THE AVENUE FLORAL CO.,  
3442 St. Charles Ave., NEW ORLEANS, LA.

\$50.00 for \$12.50 \$5.00 for \$1.50

**SWEET PEAS**

Put up in beautiful lithographed packets of the  
very best mixture; will retail rapidly at 5c per pkt.  
Besides being profitable every florist needs them.  
Satisfaction guaranteed or your money back.  
\$12.00 per 1000; 250 at 100 rate; or a sample  
100 for \$1.50.

ELMER RAWLINS, Olean, N. Y.

**Dreer's Double Petunias**

OUR DOUBLE PETUNIAS, for more than half a century have been the  
acknowledged standard. The strain this season is equal in high quality to its pre-  
decessors, and is well known to the trade.

We offer 15 distinct varieties, in 2 1/4-inch pot plants, at 60c per dozen; \$4.00 per  
100; the set of 15 varieties for 75c.

Seed of our **SUPERB STRAIN OF FRINGED PETUNIAS**. Double, 75c per 500  
seeds; \$1.50 per 1000 seeds. Single, 50c per trade pkt.; \$1.00 per 1-16 oz.; \$1.50  
per 1/8 oz.

The above prices are intended for the trade only.

Our Quarterly Wholesale Price List, issued January 1st, offers a  
full line of Seasonable Plants, Seeds and Bulbs.

**HENRY A. DREER,**

**Philadelphia, Pa.**

—FOR—  
**SEEDS**  
OF ALL KINDS APPLY TO  
**W. W. JOHNSON & SON, Limited,**  
Boston, England.

**STOCK SEED**

Fisk's Branching in all  
colors. Trade packet,  
40c. oz. \$4.00.  
Pure White, tr. packet,  
50c. oz. \$5.00.  
Also Beauty of Nice  
strains.

**H. E. FISKE SEED CO.,**  
Boston, Mass.

**S. M. Isbell & Co.,**

Jackson, Mich.

**CONTRACT SEED GROWERS,**  
Bean, Cucumber, Tomato, Pea, Muskmelon,  
Squash, Watermelon, Radish, Sweet Corn.  
Correspondence solicited.

—CHOICE GERMAN—

**FLOWER SEEDS**

Catalogue free on application.  
Stamp letters 5 cents; foreign post cards 2 cents.

**FREDERICK ROEMER,**  
Seed Grower, Quedlinburg, Germany.

**SEEDS** Best that grow. We sell di-  
rect to gardeners and florists  
at wholesale. Big beautiful  
catalogue free. Write today.  
**ARCHIAS' SEED STORE, Box 50, Sedalia, Mo.**

**ASPARAGUS**

Sprenger, per 1000 seeds ..... 75c

**PETUNIA**

Large flowering, double fringed, trade pkt .. 1 00  
Large flowering, single fringed, trade pkt .. 50  
Large flowering, single fringed, California  
Giants..... 50

**SALVIA Zurich**, oz..... 5 00  
**Triumph**, oz..... 5 00

**MOONFLOWER, White Seed** ..... 35

**FRESH TOBACCO STEMS.**

Bale of 300 lbs., \$1.75; ton, \$9.00.

**W. C. BECKERT, Seedsman,**

103 Federal St., N.S., PITTSBURG, PA.

Mention the American Florist when writing

**JOHN BODGER & SONS CO.  
Gardena, Calif.**

Wholesale Growers of Sweet Peas,  
Tomatoes, Lima Beans, Lettuce, Asters,  
Cosmos and other Flower Seeds.

**Waldo Rohnert**

GILROY, CAL.

**Wholesale Seed Grower**

Specialties: Lettuce, Onion, Sweet Peas, Aster,  
Cosmos, Mignonette, Verbena, in variety.  
Correspondence solicited.

WORCESTER, MASS.—H. F. A. Lange  
has taken a store at 371 Main street.

FALL RIVER, MASS.—G. L. Freeman  
has turned his orchid business into a  
stock company. It is known as the  
G. L. Freeman Co. and Mr. Freeman  
is president and general manager.



## Market Gardeners

### Greenhouse Vegetable Growers and Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President;  
Franklin DeKleine, Grand Rapids, Mich.,  
Vice-President; S. W. Severance, 508 Illi-  
nois Life Building, Louisville, Ky., Secre-  
tary; M. L. Ruetenik, Cleveland, O., Treas.

### Vegetable Plants.

Whether plants are intended for sale or for our own planting, it is time to commence. At this time of the year we may figure on 10 weeks to produce a thoroughly mature and hardened plant. The experienced operator knows how important it is to depend only on standard varieties, and the beginner must cut out any inclination to plant heavily of novelties. The following list is safe in most localities:

**Cabbage**—Jersey Wakefield, Charleston Wakefield, Early Spring and Glory of Enkhuizen. Charleston Wakefield is gradually taking the place of the smaller Jersey Wakefield and Enkhuizen is pushing hard for first place as a round head early.

**Tomato**—Earliana, Chalk's Jewel, Globe, Beauty and Stone. For home use, Ponderosa is popular, and for a retail plant trade Dwarf Champion and Dwarf Stone are easy sellers.

**Celery**—Golden Self-Blanching and White Plume.

**Pepper**—Recently popularity is shifting among the large-fruited peppers, but until one is acquainted by actual trial, Ruby King is the standard. Neapolitan is an early sweet, and Cayenne, a good hot pepper for pickling.

**Egg Plant**—Black Beauty is worth a place alongside of New York Purple.  
MARKETMAN.

### Prices of Indoor Fruits and Vegetables.

New York, February 19.—Mushrooms, 40 cents per pound; cucumbers, \$1.25 and \$2.25 per dozen; lettuce, 88 cents per dozen heads; tomatoes, 25 cents per pound; radishes, 3½ cents per bunch; asparagus, green, \$6 per dozen bunches; white, \$8 per dozen bunches; rhubarb, Long Island, \$7 per 100 bunches; grapes, Gros Colman, 65 cents per pound; peaches, \$3 per dozen; beet tops, \$3 per bushel; Mint, \$1 per dozen bunches.

Chicago, February 16.—Mushrooms, 25 cents to 60 cents per pound; cucumbers, \$1.25 to \$1.50 per dozen; leaf lettuce, 40 cents per box; head lettuce, Florida, \$3.50 per hamper, Louisiana, \$5 and \$7 per barrel; tomatoes, 20 cents per pound; radishes, 50 cents per dozen; asparagus, 25 cents to 40 cents per bunch; grapes, Gros Colman, 75 cents per pound; rhubarb, 60 cents.

### Indianapolis.

Trade for St. Valentine's day was exceptionally good this year. The old style celluloid and paste-board valentines are being replaced by dainty corsage bouquets or boxes of assorted cut flowers. Violets for this occasion this year moved remarkably well. Quite a number of small blooming plants were also tagged "To My Valentine" and dispatched to the fair ones. The heaviest snow for many years has been causing much delay in making de-

## SEEDS FOR THE MARKET GARDENER

are our specialty. Quality, our first consideration. We have a very large and complete stock of all kinds of seeds and everything in the line of fruit trees, berry bushes, etc.

Our new 112-page catalogue contains true description and no overdrawn illustrations. Our prices are right, quality considered. Market Gardeners are requested to write for our Market Garden Wholesale Catalogue, sent free on request.

## GERMAN NURSERIES & SEED HOUSE BOX 245 Established 1886 BEATRICE, NEB.

### Early Tomatoes In Concrete Plant Protec- tors.

A tried and proven success. Keep out frost and draw heat. Equal for forcing to the famous bell jars used in France. Field trials show four times the yield, ripening a month ahead of season and value increased 100 times. No blight or insects. Useful for lettuce, rhubarb, melons, etc. Hold water for irrigation. Patent just issued on protection; and line wire opens or closes 100 instantly. Illustrated treatise tells how to make them quickly at 2c each, how to make mold at 25c. Also full information about this method. Each purchaser of book has privilege to make mold and protector. Mention this paper and send \$1.00 for book. Money back if not satisfied.

J. H. HALEY, Seed Grower, Munith, Mich.

## Wanted

Contracts to grow all kinds of Vegetable Plants, transplanted or not. Also Geraniums, Coleus, Cannas, Salvia, Verbenas, Pansies, etc., for spring delivery. All stock only. Correspondence solicited.

Alonzo J. Bryan, Wholesale Florist,  
Washington, New Jersey.

## Pape & Bergmann,

Quedlinburg, Germany.

Elite Seeds of Flowers and Vegetables.

Specialties: Stock, Pansies, Cyclamen, etc.,  
Cactus Dahlias Bulbs. General Catalogue Free

## D. J. TAMMINGA, ONION SET GROWER.

Sound Onion Sets for immediate or fall delivery.  
Get my prices.

10818 Michigan Ave., CHICAGO.

liveries and the retailers at least will give many thanks when "The Beautiful" takes to the woods.

### NOTES.

John Bertermann, of Bertermann Bros. Co., has bought a Stoddard-Dayton fine passenger touring car which is to be pressed into service to make special deliveries on holidays. The heavy snow, which we have mentioned before, broke in 40 or 50 panes in the conservatory here.

On account of the Brightwood waterworks going to the bad, J. E. Hitz was compelled to hitch on to the city waterworks, and while doing so the temperature in his greenhouses went down to the freezing point. Not much damage was done, however.

Baur & Smith are coloring carnations. The red, white and blue carnations were an attractive feature at their market stand on Washington's birthday.

Roepke-Rieman Co. has almost completed a new house working through the recent cold weather.

A movement has been started to close the retail stores at one o'clock Sundays.

The smilax, which Smith & Young Co. is cutting, is certainly very fine.

A. W. Brandt is the proud owner of a new delivery horse.

SCHENECTADY, N. Y.—Marvin K. Champlin has opened a retail store at 320 Nott terrace.

## Onion Sets

White Bottom  
Yellow Bottom  
Red Bottom

We are in position to quote advantageous prices for immediate or March first delivery. Write or wire for quotations.

Winterson's Seed Store,  
45-47-49 Wabash Ave., CHICAGO.

## MUSHROOMS

HOW TO GROW THEM

BY WM. FALCONER.

The Best American Book on the  
Subject.

170 Pages. 29 Illustrations.

—Price \$1.00.—

AMERICAN FLORIST CO.  
324 Dearborn St., CHICAGO.

## Cauliflower Seed Cabbage Seed

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.

Logangstraede 20, COPENHAGEN, DENMARK

## VEGETABLE PLANTS.

Cabbage, Wakefield and Succession, \$1.00 per 1000. \$8.50 per 10,000.

Parley, 25c per 100: \$1.25 per 1000.

Lettuce, Big Boston, Boston Market, Grand Rapids, \$1.00 per 1000.

—Cash with order.—

R. VINCENT, Jr. & SONS CO., White Marsh Md.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

NEW HAVEN, CONN.—The Morse Floral Co. has moved from 37 Church street to 168 Orange street.

ORANGE, N. J.—Prizes were awarded to the pupils at the Day street school, February 17, for flowers grown from bulbs supplied to the children nine weeks ago.

PORTLAND, ME.—Nathaniel W. Hanaford, of Gorham, has opened a store on Preble street, to be known as the Hiawatha Flower Store. He will also reopen his store at the West End, Westbrook, this to be called the Minnehaha Flower Store.



A GREAT CUCUMBER.

Theodore Roosevelt is being paid \$1.00 a word for his remarkable articles on hunting in Africa. We are sure, had he run across a vine of Salzer's Green Cross Cucumber in that far away clime, he could easily have used 10,000 words, or \$10,000 worth of description in extolling and setting forth the many merits of this wonderful cucumber, and then some more! Look at the illustration. We had, in a small field with ordinary cultivation, hundreds and hundreds of cucumbers larger than here illustrated, attaining this enormous size within 20 to 25 days after setting! It is the most remarkable Cucumber and surely the most beautiful cucumber mortal eye has ever seen. It's infinitely ahead in beauty and appearance and quality of any hot house cucumber—each one a picture!

PRICE of GREEN CROSS CUCUMBER

|                      |        |
|----------------------|--------|
| Pkg. 25 kernels, -   | \$0.20 |
| Pkg. 100 kernels, -  | .60    |
| Pkg. 200 kernels, -  | 1.00   |
| Pkg. 500 kernels, -  | 2.00   |
| Pkg. 1000 kernels, - | 3.50   |

GREEN

CROSS

Mention this  
paper when  
you write.

FREE

We want every market gardener who receives our catalogue, to give this cucumber a trial, so if he will send us 6c to pay for the postage and packing, we will gladly mail him a package, free of all cost, and if he doesn't say it is the finest, most wonderful, rarest cucumber he has ever seen, then he has seen greater things than we, that's all!

ABSOLUTELY FREE.

Send us 6c for packing and postage and we will mail you a package free or, if you request a package when you order your seeds, we will gladly add a package to your order free of all cost.

SEND FOR MARKET GARDENERS' CATALOG TO-DAY

JOHN A. SALZER SEED CO. LA CROSSE WIS



## The Nursery Trade

### American Association of Nurserymen.

F. H. Stannard, Ottawa, Kans., President;  
W. P. Stark, Louisiana, Mo., Vice-President;  
John Hall, Rochester, N. Y., Sec'y.  
Thirty-fifth annual convention to be held  
at Denver, Colo., June 8-10, 1910.

THE Yokohama Nursery Co. reports a heavy business with Texas in grafted oranges.

PAINESVILLE, O.—Robt. George and daughter are inspecting the Cuban rubber plantations and other items of interest in that country. They are expected home about March 1.

CALIFORNIA PRIVET.—E. Y. Teas, Centerville, Ind., writes February 22: "I believe all the California privet in nursery rows or newly planted hedges in this latitude, away from the sea coast, is killed to the ground. I suppose much of it will sprout again. The Amoor River, Ibota and Regelianum, fully exposed, are not injured in the least."

BOSTON, MASS.—J. W. Duncan, for some years assistant to Superintendent Pettigrew of the park department, leaves for Spokane, Wash., February 25, to take up the duties of superintendent of parks in that city March 1. The members of the Gardeners' and Florists' Club gave him a banquet at the Parker house Saturday evening, February 19, about 50 being present. J. K. L. M. Farquhar was toastmaster.

### At Ellwanger & Barry's, Rochester, N. Y. THE BLUE ROSE.

A blue rose has often been referred to as the desired goal of many rose hybridizers and at the same time the mention of blue rose to many lovers of this flower has brought out ridicule. The argument is that such a color in the rose is not desirable and cannot very well be associated with it, and further that it would not be wanted by the public. The writer stepped into the Ellwanger & Barry greenhouses the other day, February 16, and saw the new blue rose (Vielchenblau) in full bloom for the first time. The plants in bloom were about four feet in height, and covered with conspicuous clusters of violet blue flowers. The unfolding buds might be described as violet red, and when the clusters are fully expanded they assume a violet blue color. Patrick Sullivan, the foreman of the rose and herbaceous departments, told me he grafted those plants now in bloom on manetti stocks a year past last January, and they certainly have made good growth in that time. There is no denying the fact that at a short distance from the plants the massed effect of the color is unique and striking, and as it is a climbing Rambler, it is altogether probable that its effect on a pergola or trellis, at a short distance, would be pleasing and perhaps captivating. We fully expect to see a high demand for this rose and this firm is propagating it rapidly. Ottolander & Hooftman, Boskoop, Holland, controlled the first sale of this rose, but it was sent out from a German source.

Amongst the numerous other new roses that Ellwanger & Barry are testing, is the polyantha or baby Rambler, Mrs. W. H. Cutbush, with delightful rosy pink blossoms. That this will be a most decided acquisition for bedding is undoubted, and it will surely become popular. Joan of Arc is a dwarf Rambler with semi-double pure white flowers that look remarkably pleasing, and Mrs. Taft, and Orleans are two other dwarf Ramblers with different shades of bright red, that look attractive. W. C. Barry, and Charles Maloy, the manager, believe that for bedding purposes these baby Ramblers in such pleasing colors will be most desirable. Mr. Barry is a great admirer of the new hybrid tea rose, The Lyon. It is perhaps somewhat difficult to assign a proper position to this new rose on account of its heterogeneous parentage but a hybrid tea is probably the best class to place it in. The globular, full flowers, deep soft pink, and, when in bud, tinged with coppery red, are remarkably handsome. It has not been long under trial, but so far it bids fair to be a promising acquisition.

The firm makes a specialty of roses and have been for a number of weeks propagating an immense quantity. The hybrid rugosas and the Penzance briars are grafted on manetti stock, and the Wichuraiana hybrids and the Ramblers from cuttings. The hybrid teas, and a few of the hybrid perpetuals are also being propagated from cuttings. They are propagating much less of the hybrid perpetual stock from cuttings than they used to, as they are strongly of the opinion that summer budding on healthy manetti stocks is by far the best way to grow hybrid perpetual roses.

In the ornamental department of trees and shrubs, Fred Ahrens, the foreman of the ornamental department, was busy grafting 20,000 lilacs. The firm grow an immense quantity of all the best lilacs, new and old, and there is a growing public demand for them. Mr. Ahrens grafts them onto roots of California privet and plants them into deep flats, where they start into growth immediately, and they are planted out in nursery rows about the end of May. He says, if they are properly handled and planted deep enough, that the lilacs will ultimately get onto their own roots, and the privet die out. In this the writer agrees, but we think the best way is to get them on their own roots in the first place, either from green wood cuttings placed in frames in the summer time, or from layers, and the firm do propagate a good many in this way, but it is much more expensive, and such plants are worth considerably more money and it is probably difficult to get customers to pay the difference in price for such plants.

A house devoted to a great many thousands of coniferous evergreen cuttings, such as arbor-vitas, junipers, and yews looked remarkably well. These cuttings were made and placed in this house last October and November. They showed every indication of a most successful "strike." Mr. Ahrens had a number of his men busy making hardwood cuttings of bush honeysuckles, dogwoods, ornamental currants and similar shrubs that strike

easily from this class of wood. They are of course buried and kept dormant and planted in nursery rows in early spring. The benches in the houses were full of boxes of cuttings, of many species and varieties of shrubs, made in early winter.

JOHN DUNBAR.

### Rhododendrons for the South.

ED. AMERICAN FLORIST:—

Please give a list of good, hardy rhododendrons in assorted colors that will continue to bloom throughout the entire season.

Georgia.

F.

The south is made up of all sorts of soils and climates. In the mountains and Piedmont sections can be grown all of the hardy rhododendrons. In the lower portion of the Piedmont sections nearly all of the lesser hardy varieties of the Catawbiense rhododendrons stand without protection. In the middle sections, in favored localities, where the plants can receive the right soil, can be successfully grown Rhododendron ponticum, R. punctatum, and some of the Catawbiense hybrids. In the middle sections it is always best to keep the rhododendrons mulched with rotten leaves during the summer and they are then resistant to drought and heat. R. ponticum and R. punctatum are the best for this locality and they will do well in good, rich, loamy soil, when planted in a situation where they are protected from the hot afternoon sun of summer.

P. J. BERCKMANS CO.

### Selling Methods.

Albion, N. Y., February 11.—Before the afternoon session of the farmers' institute school was called to order this afternoon a meeting of the prominent fruit growers of Orleans county, who purchased young stock from a certain nursery agent, was held in the court room here. The farmers now believe they have been beaten out of about \$20,000 by what they claim was a misrepresentation on the part of the salesman.

The meeting had been widely advertised through the efforts of the Fruit Growers' Association members and those who had signed orders for stock to be delivered in the spring.

## For Immediate Delivery ROSES

Dormant, field grown, own roots  
Sweetheart, Tausendschon, T. Blumschen, Barbier, 20c each.  
La Fiamma, Trier, Dorothy Perkins, Lady Gay, Debutante, Hiawatha, 12c each.

### Clematis Paniculata

Field Grown

1-year 6 cents. 2-year 10 cents

### Dutch Hyacinths.

Named varieties, single and double, 45 kinds, First size bulbs, \$6.00 per 100; extralarge exhibition size, \$10.00 per 100.

### Chinese Sacred Lilies

\$3.00 per 100; \$25.00 per 1000.

Hydrangea Paniculata Grandiflora  
18 to 24 ins.....6c. 2 to 3 feet.....9c

### Viburnum Plicatum.

2 to 3 feet.....12c. 3 to 3½ feet.....15c

Write for our special prices on Hardy Shrubs.

THE DINGEE & CONARD CO.,  
West Grove, Penna.



## JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture.

## Jacs Smits & Co., NAARDEN, (Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spiraeas, Valleys.

Price List Free on Demand.

## Catalpa Speciosa Tree Seed

FOR SALE

1000 pounds collected in Wabash Valley, guaranteed true speciosa.

Write for sample and price.

A. J. LOCKYEAR, Sta. A 6, Evansville, Ind.

A Hardy Coming Hedge.

## GOLDEN PRIVET

Ligustrum Ovalifolium Aureum,

1000 field grown three year old, \$10.00 per 100.

6000 in 2-in. pots \$5.00 per 100.

BERTERMANN BROS. CO., Indianapolis, Ind.

## WANTED

Ten Thousand strong rooted cuttings of ENGLISH IVY.

Send samples with prices.

Hinode Florist Co., Whitestone, N.Y.

The Very Best GRAPE CUTTINGS finest selected wood.

PURE STOCK.

1,000,000 XXX Cuttings.

CHARLES C. NASH, Kalamazoo, Mich.

Eugene Pitou, Jr. CIVIL ENGINEER and Landscape Architect.

Phone Barclay 6084—229 Broadway, New York Designs, Estimates, Construction of Grounds.

The firm involved is the one the farmers alluded to at the Fruit Growers' Association meeting, when a resolution was adopted to take action against unscrupulous nursery agents. These agents were said to have taken orders for as low as one tree of a special variety, and then to have represented to the other orchardists that a prominent fruit grower giving an order for a single tree had given a large order for a special variety.

The agent has worked among the farmers of Orleans, Niagara, Genesee and Monroe counties. The estimate given on the value of the orders taken in Orleans county alone is \$20,000, and the orders were in amounts ranging from \$1 to \$450.

ROCHESTER, N. Y.—At the meeting of the Forists' Association, February 14, President Vick selected the following committees: Entertainment and essays.—H. B. Stringer, John Dunbar, C. H. Vick, R. G. Salter. Exhibition.—C. H. Vick, G. B. Hart, F. J. Keller, A. H. Salter, J. M. Keller, E. P. Wilson. Membership.—C. H. Ogsten, F. R. Schlegel, W. L. Keller, Charles Suhr. Auditing.—E. S. Osborn, W. H. Dildine, G. T. Boucher. Bowling and sports.—A. F. Vick, H. B. Weller, G. J. Keller, Walter Salmon. Banquet.—G. B. Hart, E. S. Osborn, E. P. Wilson.

## BOBBINK & ATKINS

Nurserymen and Florists, RUTHERFORD, N. J.

Choice Evergreens and Conifers, Shade and Ornamental Trees, Herbaceous Plants.

Large collection of DECORATIVE PLANTS, such as

Palms, Ferns, Bay Trees, Etc.

ASK FOR WHOLESALE CATALOG



Beautiful! Novel! Valuable!

## The Newest Lilacs

Double and Single

Extraordinary Offering

The improvement in the Lilac, especially in the double sorts, is marvelous, and all lovers of this flower will be delighted with these novelties. In size, form and color they far surpass the old favorites and we confidently recommend them to our patrons. Nothing that has been introduced recently is likely to prove so popular as the new Lilacs.

A beautiful illustrated booklet on Lilacs will be mailed on request, also our Illustrated General Catalogue, which contains accurate and trustworthy descriptions of the best

FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES and HARDY PLANTS

Ellwanger & Barry, Mount Hope Nurseries, Rochester, N.Y.

## "FLOWER OF FAIRFIELD"

The "Everblooming Crimson Rambler." The Best Climbing Rose in the market, flowering during the whole summer in large clusters of finest crimson color. Price for first rate plants with 3 to 6 shoots, open ground grown, \$11.00 per 100 \$103.00 per 1000. Extra strong plants, from 5 and more branches, at \$15.00 per 100. Package free, cash with order only.

Schultheis Bros., The "Old" Rose Gardens, at STEINFURTH, near Bad-Nauheim, GERMANY.

## STOCK FOR FLORISTS

ROSES for Forcing—Hybrid Perpetuals and Ramblers, all the best ones; fine, strong stuff.

Clematis, Ampelopsis, Tree Hydrangeas and Lilacs, Shrubs, Vines and Perennials. Write for prices.

JACKSON & PERKINS CO., Newark (near Rochester), New York Nurserymen and Florists. Wholesale only. Use printed stationery.

## LARGE TREES

OAKS and MAPLES Pines and Hemlocks

ANDORRA NURSERIES.

Wm. Warner Harper, Prop.

Chestnut Hill, PHILA., PA.

## Peonies...

Lucretia Dewberry

In large quantities. If in need write

GILBERT H. WILD, Sarcoxie, Mo.

## Phoenix Nursery Company

Nurserymen and Florists

BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for spring issued Feb. 1st



## Arbor Vitæ

(Thuja Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

The Wm. H. Moon Co., MORRISVILLE, PA.

## DAHLIAS

Jack Rose and other best Cut Flower varieties. Write for list and prices.

PEACOCK DAHLIA FARMS

Williamstown Junction, N. J.

## New Berries

Send for our up-to-date tested

Berry Plant Catalogue.

Berrydale Experiment Gardens, Holland, Mich



# CARNATION BAY STATE

~~~~~\$3.00 Per Hundred.~~~~~

HAVING bought a large stock of this new Variegated Carnation last year, we can offer first-class rooted cuttings of this variety at \$3.00 per 100. Also rooted cuttings of **Beacon, Enchantress, Rose Pink Enchantress, Victory, White Enchantress, White Perfection, Winona, Winsor**, at \$3.00 per 100. Unrooted cuttings, \$2.00 per 100. Reduced prices made on large orders. Send orders as early as possible.

FRESH CUT FLOWERS shipped to all parts of New England and Canada. **High Grade Carnation Blooms** our specialty; shipped direct from the grower to the retailer at wholesale price.

SHEPARD'S GARDEN CARNATION CO. 292 Fairmont Street, LOWELL, MASS.

Baltimore.

PLENTY OF STOCK.

Considering the continuance of unpropitious weather and the brake supposed to be put upon social gaities by the observance of the lenten restrictions, trade moves along with some degree of activity. Flowers are much more abundant, and there is some improvement, perhaps, in the quality, though the meteorological conditions are not such as make towards really fine flowers. Carnations have been in excess of the store demands and the street vendors have done a good business. Roses are not in over-supply, nor is the grading of the highest standard. Violets begin to show more plentifully and bulbous stock is more than enough for all calls. The weather grows somewhat more vernal, though one or two nights within a week have run down to 10°, but the warm rays of the sun have at last carried off the snow which has been on the ground since Christmas day—a very rare experience here of late years.

The Gardeners' Club had a good meeting last Monday night and an attractive show of carnations. Unfortunately, some of the out-of-town exhibits came too late, not reaching the hall till the morning following. The Cottage Gardens Co. sent Alma Ward and Mrs. C. W. Ward, and Baur & Smith, Shasta. Henry Eichholz, of Waynesboro, Pa., had vases of Washington and Princess; the Chicago Carnation Co., Joliet, Ill., of Conquest, Sangamo and Mary Tolman. John M. Rider, Philip Welsh, Lehr Bros., B. G. Merritt and Isaac H. Moss all had good examples of Rose Pink Enchantress, White Enchantress or White Perfection. Geo. Morrison had some good flowers, and James Hamilton showed roses and lily of the valley, Jesse P. King, sweet peas, and M. Thau had his seedling. R. Vincent, Jr., & Sons Co. had canna and dahlia roots. There was a good attendance at the show and the club gained two or three new members. At its next meeting will be held the annual election of officers, after which there will be a banquet, with speeches, etc.

NOTES.

There is quite a little contest going on just now, carried on so far with good humor, between the venerable president of the park board, Gen. Ferdinand C. Latrobe, and the general superintendent of the parks, Wm. S. Manning, as to the pruning of the trees in the parks. General Latrobe is a veteran in municipal affairs, has served seven terms as mayor of the city, had his finger in every sort of pie, with a real head on his shoulders,

Carnations ROOTED CUTTINGS

| | Per 100 | Per 1000 |
|---|---------|----------|
| Mrs. C. W. Ward | \$12 00 | \$100 00 |
| Alma Ward | 15 00 | 125 00 |
| Mrs. J. C. Vaughan, Bay State, Georgia and O. P. Bassett | 6 00 | 50 00 |
| White Enchantress, Beacon, Robert Craig, Afterglow, Rose Pink Enchantress and Harlowarden | 3 50 | 30 00 |

New Crop Early Flowering Single Chrysanthemum Seed and Gold Medal Pentstemons

at 25c and \$1.00 per package.

CHARLES H. TOTTY, Madison, N. J.

and a pretty good opinion of his own capacity for passing judgment on affairs. Mr. Manning, on the other side, is a trained man in his business, a thorough park developer and arboriculturist and all around landscape gardener. Mr. Manning, according to custom, wishes to "trim" the trees in the parks and public gardens, but President Latrobe objects, and their divergent views cause many paragraphs in the daily papers, some practical, some narrow and others humorous. Mr. Latrobe thinks trees ought to grow as nature intended them, and that trimming them is mutilation and barbarous. He describes the trees on Mount Royal avenue (oriental planes) as having been "trimmed" within an inch of their lives, and nothing remaining but the stark branches, looking as if the tree had consumption, with a tuft of branches at the top looking like a Zulu war bonnet. Mr. Manning, of course, makes no public reply, propriety and discipline forbidding, but with his skill and fine experience he doubtless will be able to justify his method to the board which is to take the matter up. The public seems much interested.

Lehr Bros. of Brooklyn, N. Y., are shipping some fine Formosum lilies, the flowers large and of good substance. There seems, however, no fixity of type amongst them, there being green, black and red stems, the foliage short, long, obtuse or pointed, indicating probably there are seedlings going back to different ancestors. As a rule, however, they are free of disease, and produce many flowers to the bulb.

Ed. Herrmann, of North avenue, is sending to the Exchange exceptionally fine cinerarias, conspicuous for their fine colors and thrifty appearance. They are of all imaginable colors, evidently from an exceptionally good strain, and show by their condition superior cultivation. S. B.

Well Rooted Carnation Cuttings

| | Per 100 | Per 1000 |
|--------------------------------|---------|----------|
| Enchantress | \$2 00 | \$18 00 |
| Sarah Hill, white | 4 00 | 35 00 |
| Lawson Enchantress, pink | 2 50 | 20 00 |
| Lawson, pink | 2 00 | 15 00 |
| W. H. Taft, red | 4 50 | 40 00 |
| Beacon, red | 3 00 | 25 00 |
| Victory, red | 2 50 | 20 00 |
| Lawson, variegated | 2 50 | 20 00 |

Cash with order or C. O. D.

SCHIEDEN & SCHOOLS,

517 Asbury Ave., Evanston, Ill.

300 for \$5.00

Ivy Geraniums, Cinerarias, Asp. Sprengeri, Primula obconica, Alyssum, out of 2 1/4-in. pots. \$2.00 per 100, 300 for \$5.00.

Pansies, Forget-me-nots and Daisies (Bellis), fine plants, \$2.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

ROOTED ROSE CUTTINGS.

| | Per 100 | Per 1000 |
|----------------------|---------|----------|
| Am. Beauty | \$4.00 | \$35.00 |
| Pink Killarney | 2.50 | 20.00 |
| Richmond | 1.50 | 12.00 |
| Brides | 1.50 | 22.00 |

Satisfaction Guaranteed.

Geo. Reinberg, 51 Wabash Ave., Chicago.

RUBBER PLANTS

5 and 6-inch pots, 18 to 24 inches high, \$3.00 per dozen.

Strong Boston Ferns

4-inch pots, \$1.50 per dozen.

W. W. COLES, Kokomo, Ind.

AMARILLO, TEX.—The Amarillo Greenhouses have been enlarged by the addition of another house, this bringing the plant up to 12,000 square feet. Although started only a year ago, many additions and improvements have been made already, with prospects of more.

WINNERS

Read
Their
Record

Pittsburg, Jan. 26, 1910

S. A. F. Silver Medal for best vase of 50 not yet disseminated—Mrs. C. W. Ward.
S. A. F. Bronze Medal for second best vase of 50 not yet disseminated—Alma Ward.
Best 100 light pink—Mrs. C. W. WARD.
Best 100 white—Alma Ward.
Special Sweepstake Prize for best vase of any color—Alma Ward.

FORMER AWARDS:

MRS. C. W. WARD

American Florists' Society Silver Medal.....Boston, 1906
The Craig Cup for Best Seedling.....Philadelphia, 1906
The Lawson Bronze Medal.....Washington 1908
The Horticultural Society of New York, Silver Medal, Sweepstake Prize for best 100 blooms.....New York, 1909
The Horticultural Society of New York, Diploma for Best New Variety.....New York, 1909

MRS. C. W. WARD

MRS. C. W. WARD is a perfectly formed flower with full center; color deep pink; several shade lighter than Lawson, deeper than Winsor; having strong, erect stem, 24 to 36 inches in length. A vigorous, healthy grower, and has never shown disease of any kind

A very early and free bloomer, producing fine flowers as early as September 1 which bring twenty-five to fifty per cent. more than any other variety on the market.

Rooted Cuttings, \$2.00 per 12, \$12.00 per 100, \$100.00 per 1000.
25 at the 100 rate. 250 at the 1000 rate.

Delivery Feb. 20.

ALMA WARD

The Lawson Silver Medal.....Toronto, 1907
(No Gold Medal having been awarded.)

The Lawson Gold Medal.....Washington, 1908

The American Florists' Society, Silver Medal.....Washington, 1908

ALMA WARD

This beautiful Carnation is pure white, except during dark weather when it shows delicate splashing of pink similar to the Cattleya increasing its popularity.

ALMA WARD is the largest, most fragrant Carnation ever grown, producing perfect flowers $3\frac{1}{2}$ to $4\frac{1}{2}$ inches in diameter, on strong, erect stems, 36 to 42 inches in length.

Rooted Cuttings, \$3.00 per 12, \$5.00 per 25, \$9.00 per 50, \$15.00 per 100, \$35.00 per 250, \$65.00 per 500, \$120.00 per 1000.

Delivery March 1.

INVITATION.—We extend a cordial invitation to all those interested to visit our establishment where they will have an opportunity to see these varieties growing and compare their good points with other standard varieties grown under the same conditions.

COTTAGE GARDENS CO., Inc., Queens, Long Island, N. Y.

Vaughan's Special Offer

We extend you a cordial invitation to visit our Greenhouses and Nurseries, where you can see for yourself our immense stock of Palms, Araucarias, Ferns and other Decorative plants. Western Springs is one-half hour ride from Chicago on the C., B. & Q. R. R. Call at our City Store and get ticket.

Plants in Bloom for Easter

ROSES

Each Doz.
Lady Gay, 6, 7 and 8 in. pots.....\$0 75 to \$5 00
Crimson Rambler, 5 in. pots... 50 to 1 50
Crimson Baby Rambler, 4 in. pots 25
5 in. pots 50
Tausendschon, 5 in. pots..... 50 to 1 00

Each Doz.
Genista Racemosa, 4 in. pots.....\$0 30 to \$3 25
6 in. pots 75 8 00
Marguerite Queen Alexandra, 4 in. pots..... 25 2 50
Spiraea Japonica, 6 in. pots..... 25 2 50

PELARGONIUMS

We have extra strong fine plants. Per 100
2 1/2 in. pots.....\$10 00
3 in. pots..... 12 00
See catalogue.

BOSTON FERNS

Each Doz. 100
3-in. pots.....\$0 15 \$1 25 \$8 00
4-in. pots..... 25 2 50 20 00
5-in. pots..... 40 4 50 35 00
6 in. pots..... 75 8 00 60 00
7 in. pots..... 1 00 10 00 75 00
8 in. pots..... 1 25 14 00 100 00

We have a fine lot of Palms in all sizes.
See catalogue.

ASPARAGUS

100 1000
Asp. Sprengeri, 2 1/2 in.....\$ 3 00 \$5 00
" 4 in..... 5 00 45 00
" 4 in..... 10 00
Asp. Plumosus Nanus, 2 in..... 3 00 25 00
2 1/2 in..... 4 00 35 00
Doz. 100
Bush Box Trees, 15-18 in. high..\$4 00
20-24 in. high.. 8 00

Smilax, extra strong.
2 1/2 in..... 1000, \$20 00 3 00

CROTONS

We offer a choice collection of fancy sorts, well colored. Each Doz.
3-in. pots.....\$0 20 \$2 00
4-in. pots..... 35 3 50
5-in. pots..... 50 6 00
6-in. pots..... 1 00 10 00
Aspidistra, variegated. Each
5-in. pots, 6-8 leaves.....\$1 00
6-in. pots, 10-12 leaves..... 1 50
7-in. pots, 18-20 leaves..... 2 00
Aspidistra, Green.
5-in. pots, 6-8 leaves..... 75
6-in. pots, 10-12 leaves..... 1 00
7-in. pots, 18-20 leaves..... 1 50
Aralia Elegantissima, fine stock. Each
5-in.....\$1 00
6-in..... 1 50
Aucuba, Japonica variegated. Each Doz.
18 in. high..... 55 5 00
24 to 30-in. high..... 1 50 15 00
Aucuba, Japonica type.
18-in. high..... 1 00 10 00

SPRING "BOOK FOR FLORISTS!" ASK FOR IT.

VAUGHAN'S SEED STORE,

NEW YORK.

All Plants f. o. b. Western Springs, Ill.

CHICAGO.

Robert Craig Co...

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

Neph. Whitmani

2 1/4 in..... 5.00 per 100
MAGNIFICA (new), 2 1/4 in... 25.00 per 100

Boston Ferns 2 1/4 in., \$3.00 per 100.

Henry H. Barrows & Son, Whitman, Mass

WANTED

Orders for high grade stock of Cannas, Dahlias, Ferns, Ficus, Asparagus.

See classified department for prices.

Wagner Park Conservatories, Sidney, O.

Verbenas for Everybody.....



Enchantress Carnations, R. C. very strong, \$2.25 per 100; \$20.00 per 1000.

C. HUMFELD, The Rooted Cutting Specialist, CLAY CENTER, KANS.

Cincinnati.

The arrival of the lenten season did not make any material change in business, which remained exceedingly fine with us until last Thursday, when the city was visited by a blizzard and snow storm which broke all records. Some people say there was nine inches of snow, others 11 inches and still others claim 14 inches, but no matter how much snow fell it certainly put a crimp in business. St. Valentines' day business was not up to expectations and the retailers were not compensated for the interest and preparations made for this day. The increase in the volume of spring flowers is the feature of the market the present week. Freesias are more plentiful, the finer grades having arrived in quantity and pink tulips can now be had in addition to yellow and white. Jonquils are also more plentiful and there are enough violets and lily of the valley for all requirements. Roses remain scarce, while no orders were turned down on carnations. Green goods with the exception of Asparagus plumosus has been in ample supply with a good demand.

We had the pleasure of a visit from Sidney Joseph, a Cincinnati boy, but who at present is located in Dresden, Germany, when he has quite an extensive greenhouse establishment. Mr. Joseph says there is more money growing cut flowers in Germany than there is in America, but Max Rudolph says you must show him. Well, as Sidney is on the job, he should know. He is offering some excellent stock of Adiantum cuneatum and also well grown plants of ardisias.

The bowling club was busy again last Monday night at Wielert's alleys trying to smash all previous records, but unfortunately without success. That 225 still looks mighty big to overcome. Well we will try again Monday evening, February 28, and hope to have as big a crowd as at the last meeting when there were 19 members present. Even our old friend Dominick Rusconi has the fever and promises to come again.

We hear of a movement on foot among some of the prominent retailers to organize the Retail Florists' Protective Association. The first meeting was held last Wednesday, but there was not much accomplished as there were only four persons present.

Another florist in town and he arrived last Wednesday at Aleck Ostendarp's home. Mother and son doing well and Aleck is going to buy the cigars at Wielert's next Wednesday night when the bowlers meet.

Albert McCullough, president of The J. M. McCullough's Sons Co. is in Florida with friends for a short period.

Visitors: Paul Berkowitz, of Bayersdorffers, and J. J. Karins, of Dreer's.

Of the finest varieties that ever grew, 70c per 100; \$6.00 per 1000.

Mums, the good kind, \$1.25 per 100; \$10.00 per 1000.

Daisies, white and yellow, \$1.00 per 100; \$8.00 per 1000. Our big double Giant Alyssum, 80c per 100; \$7.00 per 1000.

Feverfew, \$1.25 per 100; \$10.00 per 1000. We prepay express charges on all rooted cuttings and guarantee satisfaction.

Enchantress Carnations, R. C. very strong, \$2.25 per 100; \$20.00 per 1000.

HEADQUARTERS FOR
EASTER PLANTS

PREPARE FOR EASTER

From Whom Will We Purchase Our Easter Supplies?

An Immense Stock of Choice Easter Plants Now Ready for Immediate Shipment. Blooming Easter Week or Before if Desired.

"From whom shall we purchase our Easter supply this season?" That seems to be the cry all over the country. "We have tried so many already. I know what I am going to do," some sensible man says. "I shall go back to Godfrey Aschmann. He is the best and most reliable man in the business. What he advertises he has and there is no bluff about it. I tell you his usual stock of Azaleas can't be beat, and the Lilies he has this spring are the finest I have ever seen. No wonder. He imports them direct from Japan. He has a friend in Japan who looks after his interests and sends him the cream of Japan's plants. He has enough to supply all, and I tell you no lie when I say that his other plants such as Hydrangeas, Cinerarias, Spireas, Ficus, Palms, Hyacinths, Tulips, Daffodils, Etc., are of such excellent quality that they will make a man's mouth water, and they are so remarkably cheap that we often wonder how he can do it."

AZALEA INDICA

We are headquarters for these plants for the past twenty-five years. We make a specialty of importing large quantities of this so well known favorite Easter novelty. Grown for us in Ghent, Belgium by an Azalea specialist. Have now three houses full of the choicest. Only well known American varieties are imported. They are planted in the fall, as soon as they arrive from Belgium, into 6, 7 and 8 in. pots placed in greenhouses and kept cool during winter. They are now in excellent condition, covered with buds, just right for Easter.

Please bear in mind facts mostly unknown to some Azalea growers that fully 30 to 40 percent of the newly imported Azaleas in dormant state will lose their buds and foliage during the long transportation of the sea voyage and during winter up to Feb. 1 and have to be kept over for another year.

We only ship good stock and full of buds and flowers, and therefore you can't expect Azaleas at this time to be as big and as cheap as if you would buy them in dormant state in the fall.

What is the name of the best double pink Azalea? Mme. Van der Cruysen is the name. Originated by the well known Azalea specialist, Mr. Van der Cruysen of Belgium. Millions are raised every year and shipped into every part of the globe from Belgium. We have a big stock on hand of this well known variety. Every plant is as round as an apple, covered with buds, just right for Easter. Have all sizes, 75c, \$1.00, \$1.25, \$1.50, \$1.75 to \$2.00 each.

In large sizes we have the following varieties, full of buds: Bernard Andreas Alba, pure white; Niobe, double white; Helena Thielmann, pure light pink, very fine; Souv. Memoire de Van Houtte, very large flowers, double pink; Empress des Indes, large flowering, double variegated; Dr. Moore, double pink; Mme. Van der Cruysen, best of all the pink; Apollo, red; De Schryveriana, double, large, variegated. Price, \$1.50, \$2.00, \$2.50 to \$3.00.

In smaller sizes we have the following varieties, full of buds: Mme. Van der Cruysen pink; Deutsche Perle, pure double white; Verveneana, double variegated, one of the old standard varieties; Apollo, red; Simon Mardner, double pink; De Schryveriana, large double variegated; Empress des Indes, double variegated; Niobe, double white. Price, 60c, 75c, \$1.00, \$1.25 to \$1.50. Professor Wolters a well known variegated bright variety, at \$1.00, \$1.25 to \$1.50.

When we are out of one color we send the next similar color; also if we are out of the size ordered, we send the next size, either above or below the price mentioned.

Moonvines (Ipomæa Multiflora), best white Moonvine, for which we have a world-wide reputation now ready. 2½ in. pots, \$5.00 per 100.

Begonia New Improved Erford, 5 in., \$2.00 per doz.; Begonia Flambeau, 5 in., \$2.00 per doz.

Spirea Gladstone. This variety, owing to the dry summer in Holland last year, is very scarce this Easter but we were fortunate enough to secure sufficient to fill our ornamental house, and the plants are now in fine condition, full of buds, just right for Easter. 6-7 in. pots, 75c to \$1.00 each.

Primula Obconica, 5 in. pots, \$2.00 to \$2.50 per doz.

Double Daffodils, Von Sion, best yellow, 3 double-nosed tulips in a 6 in. pot, \$2.50 per doz. pots.

Tulips, Murillo (double pink), 3 bulbs planted in a 4 in. pot, \$2.00 per doz. pots. Tournesol Tulips (double variegated), 3 bulbs in a 4 in. pot, \$1.50 per doz. pots; ready in bloom for Easter.

Hydrangea Otaksa, already forced into buds, just right for Easter, 6-7 in. pots, 35c, 50c, 75c, \$1.00 to \$1.50 each.



THE BEST EVER.

Better than ever are the plants whose gleaming Blossoms and leaves shine bright in Aschmann's store.

Flowers the kind of which we are always dreaming. More nearly perfect than all grown before. Lilies with whiter sheen, Azaleas richly tinted. Ferns with their lacy fronds like bridal veils. The Araucaria branches fruit with dollars minted. For florists' use after Easter sales.

EASTER LILIES

Lilium Multiflorum, the genuine Japanese Easter Lily, directly imported by us. We have a friend in Japan who looks after our interests there. He picks out for us only the good, healthy ones, and marks them while they are growing, the 10-in. bulbs and therefore he ships us the cream of the plants of Japan. We have Lilies this year to burn: can supply, if nothing happens, every customer and others who want Lilies. 9 to 10 in. bulbs of Lilies were difficult to get from Japan last fall, but we were one of the fortunate ones to receive all the 9-10 in. Lilies (5,000) ordered last spring, 1909, from our grower in Japan. If you see them growing in our greenhouses, you must all admit they are "cracker-jacks"; we sell them cheap, too. Where other florists get 15c per bud, we only charge you 10c per bud for plants in 6 in. pots, having 5, 8, 10 and more buds to the plant. Plants under 5 buds, 12c per bud, 6 in. pots.

When ordering lilies a reasonable amount of other plants should be taken. We do not solicit orders for lilies alone.

Hyacinths, 4 best colors, King of the Blues, Grand Maitre (light blue) La Grandesse (best white), Gertrude (best pink), 4-in. pots, 12.00 per 100. Now outside in cold frames. Two to three weeks will force them into bloom.

Asparagus Plumosus Nanus, 3-in., \$5.00 per 100 2½ in. 3c; 4-in., 10c. Asparagus Sprengeri, 3-in., large plants 7c; 4-in., 10c.

Cineraria Hyb. Grandiflora, H.F. Michell's new improved strain. Our plants of this strain are twice the size of those of other years, with perfect, large, green foliage. Some of the plants are almost as large as a bushel basket, 6-in. pots, 25c, 35c, 50c, 75c to \$1.00 each.

Arcia Lutescens, 5-in. pots, three plants in a pot, 35c.

Ficus Elastica (Rubber), 5½ to 6 in. pots, 25c to 30c.

Whitman Ferns, 7-in., 75c to \$1.00.

Neph. Amerphol, 5½, 5½ to 6 in. pots, 30c, 40c and 50c; 6 in., 60c to 75c.

Kentia Forsteriana, 6-7 in. pots, 35-40 50 in. high, perfect leaves, \$1.25 \$1.50, \$2.50 to \$3.00; 4-in., 20c. Kentia Belmoreana, 6-in., large stock, \$1.25 to \$1.50; 4-in. 20c to 25c; 3-in., 10c.

Cocos Weddelliana, 3 in., 15c.

Ferns for Dishes, \$3.00 per 100.

Have an Immense Stock of Easter Plants.

This is our catalogue.

Please state if in or out of pots. All goods must travel at purchaser's risk only. Cash with order, please. No references will be investigated.

1012
GODFREY ASCHMANN, w. Ontario St., Philadelphia, Pa.
Importer, Wholesale Grower and Shipper of Pot Plants.

PALMS

Extra Good Values in Palms For Easter....

Stock in Perfect Condition.

KENTIA BELMOREANA.

| | |
|--|--------|
| 6-in. pots, 6 leaves, 20-24 in. high..... | \$1 00 |
| 7-in. pots, 6 to 7 leaves, 24-26 in. high..... | 1 50 |
| 7-in. pots, 6 to 7 leaves, 26-28 in. high..... | 2 00 |
| 8-in. pots, 6 to 7 leaves, 32-34 in. high..... | 2 50 |
| 8-in. pots, 6 to 7 leaves, 34-38 in. high..... | 3 50 |

KENTIA FORSTERIANA.

| | |
|---|--------|
| 6-in. pots, 6 leaves, 34-36 in. high..... | \$1 50 |
| 7-in. pots, 6 to 7 leaves, 36-40 in. high..... | 2 50 |
| 8-in. pots, 6 to 7 leaves, 40-44 in. high..... | 3 50 |
| 8-in. pots, 6 to 7 leaves, 44-48 in. high..... | 4 50 |
| 10-in. pots, 6 to 7 leaves, 5 1/2 ft. high..... | 8 00 |

Made-up Kentia Forsteriana.

Strong, bushy plants, 3 plants to a tub.

| | |
|--|--------|
| 7-in. tubs, 40-44 in. high..... | \$4 00 |
| 8-in. tubs, 44-48 in. high..... | 5 00 |
| 10-in. tubs, 44-48 in. high (heavy)..... | 6 00 |
| 10-in. tubs, 48-52 in. high (heavy)..... | 7 00 |
| 10 in. tubs, 50-54 in. high (heavy)..... | 8 00 |

PHOENIX ROEBELENI.

5-in. pot plants, nicely characterized.....\$1 00 each; \$10 00 per dozen



THE STORRS & HARRISON CO., Painesville, O.

Vincent Specials...

We have the following ready for shipment, in good shape. We do not send out rooted cuttings.

| | 2-in. | 3-in. |
|---------------------------------------|--------|---------|
| | 100 | 1000 |
| Alyssum, Dwarf and Giant | | |
| Double..... | \$2 00 | \$18 50 |
| Colcus, Golden Bedder and | | |
| Verschaffeltii..... | 2 00 | 18 50 |
| German and Parlor Ivy, | | |
| Fuchsias, 6 varieties..... | 2 00 | 18 50 |
| Lantanas, 5 varieties..... | 2 00 | 18 50 |
| Petunias, Dreer's single | | |
| Superb..... | 2 00 | 18 50 |
| Lobelia, Kathleen Mallard..... | 2 00 | 18 50 |
| Lemon Verbenas, | | |
| Verbenas, Red, White, Pink | 2 00 | 18 50 |
| and Purple..... | 2 00 | 18 50 |
| Hardy Chrysanthemums, | 2 00 | 18 50 |

R. Vincent, Jr., & Sons Co.
WHITE MARSH, MD.

Wichita, Kans.

St. Valentine's day set a new record here, there being a decided increase in the amount of business for that day. There was not much call for made up work, boxes of choice flowers having the call, with the demand well divided between violets, roses and carnations, and a nice sale in choice flowering plants. The weather was favorable. The week has seen a good stiff demand for funeral flowers, which has helped to clean up surplus stocks pretty close. We got our share of the blizzard, but it was over in 48 hours.

Visitors: W. H. Hill, representing L. Baumann & Co., and W. C. Johnson, representing E. H. Hunt, both of Chicago. Both report good business in the western territory.

W. I. CHITA.

White Killarney, My Maryland, Pink Killarney

Rooted cuttings and 2 1/2-in. plants. Booking orders now for future deliveries.

The Right Place—The Right Goods—The Right Prices—Come and See Them Grow.

| | R. C. | 2 1/2-inch | R. C. | 2 1/2-inch |
|------------------------------|--------|------------|--------|------------|
| | 100 | 1000 | 100 | 1000 |
| White Killarney | \$6 50 | \$60 00 | \$8 50 | \$75 00 |
| Grafted..... | 14 00 | 125 00 | 3 00 | 25 00 |
| Pink Killarney | 4 00 | 35 00 | 6 00 | 55 00 |
| Grafted..... | 12 00 | 110 00 | 6 00 | 55 00 |
| My Maryland | 4 00 | 35 00 | 12 00 | 110 00 |
| Grafted..... | 12 00 | 110 00 | 4 00 | 35 00 |

Maids and Brides grown to order only.

3 1/2-in. sizes will be offered, when ready, at 40% increase over 2 1/2-in.

You cannot afford to buy poor stock at 50% less.

POEHLMANN BROS. CO., Morton Grove, Ill.

SHASTA

We are now shipping fine strong cuttings of **Shasta** as fast as they are ready to come out of the cutting bench. We have enough orders booked to take all that will be ready up to Feb. 15. If you want late February delivery you should get your order in at once. Come and see it growing; once you see it, you will want to grow it.

\$12.00 per 100; \$100.00 per 1000.

Send all orders to

BAUR & SMITH, Indianapolis, Ind.

Albany, N. Y.

The thirteenth annual dinner of the republican county organization took place in Odd Fellows hall on the evening of February 17. The floral decorations were again in charge of Eyres, who exhibited great taste in his arrangement of the palms and foliage plants used on the orchestra platform to screen the musicians. The table decorations were of tulips, and laurel roping was used in abundance for decorating the ceiling and walls. Prep-

arations were made to seat about 560 guests. Among the speakers was United States Senator Chauncey M. Depew.

Kurth & Burke, the Broadway florists, had a creditable job in the decorations in the Adelphi club for the Friedman-Swartz wedding which occurred February 14. The couple stood under a canopy made by the firm. Other decorations included mantels, vases, bride's and bridesmaid's bouquets.

R. D.

DBLE. PETUNIA

2-in. \$2.00 per 100
Smilax, 2-in., \$1.25 per 100. **Abutilons**, 3 kinds. 2-inch, 2½c. **Cuphea**, 2-in., 1½c. **Poinsettias**, stock plants. 5c. **Geraniums**, Double Grant, Castellaine, Nutt. Buchner. Gen Grant 2-in., 2c. **Coleus** 10 kinds, **Ageratum**, 3 kinds, \$1.50 per 100.

PRIMULA

Primula Obconica, 2-in., 2c; 4-in., in bud and bloom, 8c.
Rooted Cuttings, prepaid per 100. **Heliotrope**, \$1.00; **Fuchsia**, 8 kinds, \$1.00; **Paris Daisy**, yellow, white, \$1.00; **Cuphea**, 75c. **Vinca Variegata**, 90c; **Coleus**, 10 kinds, 60c; **Alternanthera**, 3 kinds, 50c; **Ageratum**, 3 kinds, 60c; **Swainsona alba**, \$1.00; **Dbl. Petunias**, 10 kinds, \$1.00. **Flowering Begonias**, 8 kinds, \$1.25.

Cash with order.

BYER BROS., Chambersburg, Pa.**Chrysanthemums.**

All orders booked now for
 Early Delivery.

Write for Catalogue.

ELMER D. SMITH & CO.
ADRIAN, MICH.

Mention the American Florist when writing

Orchids..

We have changed our domicile from Secaucus, N. J., to Mamaroneck, N. Y. We are largest collectors and importers of Orchids and are now booking orders for all the commercial Cattleyas for delivery next spring

GARRILLO & BALDWIN, Mamaroneck, N. Y.**BAY TREES.**

Standards, Pyramids and Columns.

ORCHIDS

DIRECT FROM THE WOODS **Cattleya Trianae**, **C. Gigas** and other commercial varieties.

JULIUS ROEHRS CO., Rutherford, N. J.**Orchids**

Arrived in fine condition: **Cattleya Warnerii**, **C. Harrisoniae**, **C. Gaskelliana** and **C. Gigas** (Hardyana type); also **Dendrobium Phalaenopsis Schroederianum** and **Odontoglossum luteo-purpureum**.

Lager & Hurrell, Summit, N. J.**ORCHIDS...**

Largest Importers, Exporters, Growers,
 and Hybridists in the World.

SANDER, St. Albans, Eng.

NEW YORK OFFICE: **T. MELLSTROM,**
 Room 1, 235 Broadway. Agent.

BROOKLYN, N. Y.—John Meis, gardener, of 116 Palmetto street, fell from a car near Broadway, on Gates avenue, February 9, and sustained a broken leg and other injuries.

SOUTH ORANGE, N. J.—In testimony of his appreciation of their good work at the recent fire at his greenhouses, James Brown made a donation of \$5 to the members of the local fire brigade.

CANNAS**F. O. B. New York or Chicago.****For Immediate Delivery.**

We are the largest handlers of Cannas in the world. Our prices upon Cannas will bear comparison with any house in the Canna business. Stock unequalled.

RED-FLOWERING CANNAS.

| | | |
|----------------------------------|------|-------|
| Louisiana, 7 ft. | 100. | 1000. |
| Alice Roosevelt, 4 ft. | 3.00 | 25.00 |
| A. Bouvier, 5 ft. | 1.50 | 14.00 |
| Beaute Poitevine, 3½ ft. | 2.00 | 17.50 |
| Black Prince, 3 to 4 ft. | 2.25 | 20.00 |
| Chas. Henderson, 4 ft. | 1.75 | 15.00 |
| Crimson Bedder, 3 ft. | 2.00 | 17.50 |
| D. of Marlborough, 4½ ft. | 1.75 | 15.00 |
| J. D. Eisele, 5 ft. | 1.75 | 15.00 |
| Exp. Crampbell, 5½ ft. | 1.50 | 14.00 |
| Express, 2 to 2½ ft. | 2.25 | 20.00 |
| Pres. McKinley, 2½ to 3 ft. | 1.50 | 14.00 |

RED, GOLD-EDGED AND SPOTTED SHADES.

| | | |
|--------------------------------|------|-------|
| Gladiator, 4 ft. | 2.75 | 25.00 |
| Cinnabar, 4½ ft. | 1.75 | 15.00 |
| Indiana, 3 to 4 ft. | 1.75 | 15.00 |
| Queen Charlotte, 3½ ft. | 2.25 | 20.00 |
| Mad. Crozy, 5½ ft. | 2.25 | 20.00 |
| Premier, 2½ ft. | 2.00 | 17.50 |
| S de A. Crozy, 4 to 5 ft. | 2.75 | 25.00 |

PINK SHADES.

| | | |
|--------------------------|------|-------|
| L. Patry, 4½ ft. | 1.75 | 15.00 |
| Louise, 5 ft. | 2.00 | 17.50 |
| Mlle. Berat, 4½ ft. | 1.75 | 15.00 |
| Tennyson, 5½ ft. | 2.75 | 25.00 |

YELLOW SHADES.

| | | |
|--------------------------------|------|-------|
| Buttercup, 3½ ft. | 100 | 1000 |
| C. de Bouchard, 4½ ft. | 2.00 | 17.50 |
| Florence Vaughan, 5 ft. | 2.50 | 20.00 |
| L. E. Bailey, 4½ ft. | 2.75 | 25.00 |
| Richard Wallace, 4½ ft. | 2.75 | 25.00 |
| WHITE AND CREAM SHADES. | | |
| Alsace, 3½ ft. | 1.75 | 15.00 |

BRONZE-LEAVED FLOWERING CANNAS.

| | | |
|------------------------------|------|-------|
| Brandywine, 4 to 5 ft. | 2.00 | 17.50 |
| Black Beauty, 5 ft. | 2.75 | 25.00 |
| Egandale, 4 ft. | 1.50 | 14.00 |
| King Humbert, 4 ft. | 3.25 | 30.00 |
| Leonard Vaughan, 4½ ft. | 1.75 | 15.00 |
| Musafolia, 5 ft. | 2.75 | 25.00 |
| Pillar of Fire, 6-7 ft. | 2.25 | 20.00 |
| Shenandoah, 6 ft. | 1.75 | 15.00 |

ORCHID-FLOWERING CANNAS.

| | | |
|-----------------------------|------|-------|
| Allemanina, 4 to 5 ft. | 1.75 | 16.00 |
| Austria, 5 ft. | 1.25 | 12.00 |
| Italia, 4½ ft. | 1.75 | 15.00 |
| Kronus, 5 ft. | 1.75 | 15.00 |
| Mrs. Kate Gray, 6 ft. | 1.75 | 15.00 |
| Pennsylvania, 5 ft. | 1.75 | 15.00 |
| Wyoming, 7 ft. | 2.75 | 25.00 |

Our Cannas are packed 250 in a box; two can be "cleated" together and shipped as one. One box of 250 sold at thousand rate; it is cheaper for you to buy a box than 200 at 100 rate.

Chicago and Western
Agents For Our Cannas

WINTERSON'S SEED STORE,

45-47-49 Wabash Ave.,

Chicago, Ill.

Arthur T. Boddington,342 West 14th Street. **Seedsman, NEW YORK.****ORCHIDS****To Arrive in Six Weeks.**

Absolutely fresh stock, f. o. b. New York.

Cattleyas, 15 varieties, 5,000 plants.**Vandas, Phalaenopsis**, 5 varieties.**Dendrobiums**, 10 varieties, 5,000 plants.**Miltonias, Laelias, Oncidiums**, etc.

Commercial Varieties in quantity. Write

G. L. FREEMAN CO.,Successors to
G. L. Freeman,**Fall River, Mass.****ORCHID PEAT, (Osmunda Fibre)**

Finest quality, hand cleaned, free from sticks and dirt.

In chunks or handpicked ready for use.

Also Rotted and Azalea Peats, Leaf Mold, Live or Baled Sphagnum Moss.

Prices and samples on application.

C. W. BROWNELL & CO.,**WALDEN, N. Y**

Rooted Carnation Cuttings

For Immediate Delivery.

ENCHANTRESS, PERFECTION,
BEACON, \$3.00 per 100; \$25.00
per 1000.**ROSE PINK and WHITE**
ENCHANTRESS, WINSOR,
\$2.50 per 100; \$20.00 per 1000.We can fill orders from 1000 to
100,000 and guarantee the stock.**J. D. THOMPSON CARNATION CO.,**
JOLIET, ILL.**FUCHSIAS**There are none better
than **Little Beauty**, **Lord**
Byron, **Renan** and **White**
Beauty. Strong 2½ inch
plants ready \$4.00 per 100 New Heliotrope. Miss
Bernice a sport of Mme. Bruant and a great im-
provement on the latter 2½-inch \$8.00 per 100.

Catalog for the Asking.

SKIDELSKY & IRWIN CO.,

1215 Betz Bldg.,

PHILADELPHIA.**PA.****A Chance to Buy Right.****BOSTON FERNS**, In order to make room I offer
an extra fine lot of 4 and 5-inch plants at \$12.00 and
\$20.00 per 100. **GERANIUMS**, transplanted in
flats, extra strong R. C. S. A. Nutt, \$12.50 per
1000, 3-inch plants, \$4.00 per 100.**F. C. RIEBE,****Webster, Mass.****St. Louis.**

The past week we experienced the
most severe weather recorded in 20
years. Wednesday and Thursday the
fall of snow was immense and trade,
especially transient, suffered. Violets
especially piled up, also sweet peas,
and many went to waste owing to the
inability of disposing to the shopping
public. Carnations also piled up with
the exception of white and red, as
these were somewhat in demand. Tea
roses became more plentiful, but
American Beauty remained scarce.
Cold weather hindered the work of
delivering plants. Jonquils are now
arriving in quantity, also tulips. Cal-
las are in quantity, but Harrisii lilies
are short.

NOTES.

The ladies of the home circle met
at the Washington hotel and were
entertained by Mrs. J. J. Beneke.
Questions were asked which were to
be answered with flowers. Two prizes
were offered; first was won by Miss
Meinhardt, and second by Mrs. John
Koenig. These meetings will be held
monthly.

John Moritz and his force of gar-
deners at Forest park are preparing
to put out more than a quarter mil-
lion plants which were raised in the
greenhouses during the winter
months; 125,000 plants will be used
here, the others will be divided in
the other parks.

The executive committee of the
Horticultural Society met last Tues-
day afternoon for a short session. It
was resolved to vote on a fall flower
show at the next meeting.

Smith Wholesale Floral Co. is head-
quarters for violets and sweet peas.
These are furnished mostly by the
Kirkwood contingent.

The wholesalers were a weary look
during the heavy storm, as it was
almost impossible to move stock to
advantage.

Mary Tolman

Deep flesh that does not fade in the strongest light;
clean grower; rigid stem; perfectly formed flowers; good
producer.Cuttings ready now, \$12.00 per 100; \$100.00 per 1000. Guaranteed
in every way.**CHICAGO CARNATION CO., Joliet, Ill.****A. E. HUNT & CO., Evanston, Ill. HUNT BROS., Park Ridge, Ill.**

CONQUEST

Light pink overlaid with deep rose. The most valuable and
attractive carnation on the market. Very free; long stiff stems;
large well built flowers. It pays to grow this variety.

Winner of First prize wherever shown.

Rooted Cuttings Guaranteed

Ready now, \$12.00 per 100; \$100.00 per 1000.

Chicago Carnation Co., A. T. PYFER, Joliet, Ill.
Manager.

Sangamo

**Brilliant
Glistening
Pink.****Winner Wherever Shown.**The most prolific and fastest growing carnation of any; very clean, upright grower,
long stiff stems; **never splits**; flowers nicely fringed and well rounded out. It is not
too late to get cuttings of Sangamo, the most prolific carnation grown. Our best
plants we propagated in March last year. Prompt delivery; Cuttings guaranteed.**\$12.00 per 100; \$100.00 per 1000.****A. C. BROWN,****Springfield, Ill.****CHICAGO CARNATION CO.****Joliet, Ill.****JUANITA, (Wah-nee-ta)**A grand scarlet Carnation, with about a 3½-inch flower, well
built up with a two foot stem.

Its Strong Points Are: Abundance of large, high grade flowers at all times; stem very stiff, with
good habit in every way; keeping qualities are wonderful; burst blooms are rare. We have grown it
years and will still grow as many as we have now. We have **never over propagated** it, so its vitality
is not impaired. Cuttings will be taken from flower stems which are the best. The color is so bright
and rich it takes with every one. We have a very large stock. **Price:** Rooted cuttings \$8.00 per 100;
\$66.00 per 1000. Special price in large lots. Unrooted stock half price. A discount of 5% for cash.

THE FILLow FLOWER COMPANY,**Westport, Conn.**

F. H. Weber disposed of over 10,-
000 violets on St. Valentine's day, be-
sides sweet peas and other flowers.

C. A. Kuehn is handling some very
fancy long-stemmed tulips, also a
fine variety of choice carnations.

Geo. Angermueller is now getting
some extra fine Killarney roses, also
a fine supply of Von Sion.

Ayres Floral Co. is handling some
of the choicest long-stemmed violets
coming into the market.

There will be no spring flower show
this year.

W. F.

CHESTER, PA.—A hurried message, on
February 15, brought Melchor E.
Pierce from a nearby cigar store to
his home, and as he neared the green-
houses a bright light gave him the
impression that the structure was in
flames. Throwing off his coat Pierce
started for the place and fell exhaust-
ed from shock and overexertion. He
found that the lights were from 72
candles, the lighted tapers having been

Ferns for Dishes...

Assorted varieties, 2¼-in. pots, \$3.50 per 100;
\$30.00 per 1000. Cash with order.**FRANK OECHSLIN****4911 Quincy St.****CHICAGO.**

Rooted Cuttings

| | |
|--|----------------------------------|
| Verbenas , choice varieties, 70c per 100, \$6.00 per 1000 | |
| Per 100 1000 | Per 100 1000 |
| Heliotropes , \$1.00 \$8.00 | Petunias , \$1.25 \$10.00 |
| Daisies , white, 1.00 8.00 | Salvias , 1.00 8.00 |
| and yellow, 1.50 | Alyssum , dbl., .80 |
| Coleus ,70 6.00 | Ageratums , .60 5.00 |
| Express paid, | Cash with orders. |

S. D. BRANT,**Glary Center, Kans**

arranged amidst a floral design sur-
mounting a huge cake, and represent-
ed the 72 years of Pierce's life in com-
memoration of his birthday, the design
being secretly arranged by several
friends.

Attention Buyers.

If in need of any of the following stock we will be pleased to quote Bargain prices:

Small **Kentia**, **Latania** or **Phoenix Palms**, 4 and 5-inch **Araucarias**, **Boston**, **Pieroni**, **Elegantissima**, **Scottii**, **Amerpohli**, **Plumosos**, **Sprengeri**, or **Small Ferns** for dishes. Also all kinds of **Bedding Stock** in small sizes. Give us a trial on 3-inch **Chinese** and **obconica primroses** in bloom, **Special**, \$4.00 per 100.

D. U. AUGSPURGER & SONS CO., Box 394
PEORIA, ILL.

A FEW GOOD THINGS YOU WANT.

Rex Begonia, 2-in. \$5.00 per 100.
Asparagus Sprengeri, 3-in. \$5.00 per 100
Geraniums, Nutt. Doyle, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in. pots, \$2.00; 3-in. \$4.00 per 100; Viaud, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in. pots, \$2.50; 3-in. \$5.00 per 100; Mme. Sallerol, 2-in., \$3.00 per 100
Asparagus Plumosos, 2-in. \$3.00 per 100; 3-in. \$5.00 per 100. Cut fronds 25c per bunch.
Boston Ferns, 5-in 25c each, **Whitman Ferns**, 4-in. 25c each.
Cycas Palms, 4 to 5 leaves, \$1.00, \$1.50 and \$2.00.
Vinca Var., 2-in. \$2.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order
GEO. M. EMMANS, Newton, N. J.
Mention the American Florist when writing

Toronto.

FLOWERS PLENTIFUL.

The very ordinary business conditions, more than the weather, are responsible for a very generous supply of flowers in nearly every variety, and the prices prevailing here at present are possibly the lowest they have reached at this season for years. In roses, Richmond, Killarney, Bridesmaid and Bride, are plentiful, while in carnations there is a very generous supply in all colors. Lily of the valley and violets are plentiful and of excellent quality. The bulb season being on in full swing it seems the different growers are trying to see which can undersell the other. The storemen are taking advantage of the low prices and the window decorations are most enticing. St. Valentine's day was responsible for a very heavy demand in violets, but aside from these there was little doing in other varieties.

NOTES.

The week has been a busy one for the different horticultural societies; the prize lists are being drafted for the Canadian National Exhibition and the fall chrysanthemum show. This is the time to make suggestions and to give views of any change which may be favored. These, if sent by letters to any of the secretaries, will be given the most careful consideration.

The annual carnation exhibition was held in St. George's hall Friday, February 18, and the quality of the blooms shown testified to the efforts of success being attained by our carnation growers in perfecting this flower. Joseph Heacock Co., Wyncote, Pa., sent a vase of Dorothy Gordon which was awarded the only gold medal given. The H. Weber & Sons' Co., Oakland, Md., sent a fine bunch of Toreador, which arrived too late for the show as also did the bunch of Mary Tolman from Hunt Bros., of Park Ridge, Ill. Had these shipments arrived earlier

VAUGHAN'S LIST OF Dormant Stock

| Crimson Ramblers. | | | | Per doz. | Per 100 |
|---|--------|---------|--|----------|------------------|
| 2 years old, 2 to 3 feet, well branched, own roots..... | | | | \$2.00 | \$15.00 |
| 2 years old, 2 to 3 feet, well branched, budded..... | | | | 2.00 | 15.00 |
| 3 years old, 3 to 5 feet, well branched, budded..... | | | | 3.00 | 18.00 |
| 4-inch pots..... | | | | | 10.00 |
| Tausendschon. | | | | Per doz. | Per 100 |
| 2-yr. old, dormant, grafted plants | \$3.50 | | | \$25.00 | |
| Lady Gay. | | | | | |
| 2-yr. old, dormant stock..... | \$3.00 | | | \$20.00 | |
| White Baby Rambler. | | | | | |
| 3-inch..... | \$.15 | | | | |
| 4-inch..... | .25 | \$2.50 | | \$20.00 | |
| Azalea Mollis | | | | Each | Doz. |
| 15 to 20 buds..... | \$0.50 | \$ 5.00 | | \$40.00 | |
| 40 to 50 buds..... | 1.00 | 10.00 | | | |
| Baby Rambler. | | | | Per doz. | 100 |
| Dormant, field-grown. | | | | | 1000 |
| 1st size, selected, budded. | | | | | |
| 3-years..... | | | | \$2.50 | \$16.00 \$150.00 |
| 2nd size, selected, grafted. | | | | | |
| 2-years..... | | | | 2.00 | 12.00 100.00 |
| Pot-grown. | | | | | |
| 2½-inch..... | | | | \$.75 | 5.00 |
| 3-inch..... | | | | 1.25 | 8.00 |
| 4-inch..... | | | | 2.00 | 12.00 |
| Deutzia | | | | Each | Doz. |
| Lemoinei, 7-in. " | | | | 25 | 2 50 20 00 |
| Magnolia Soulangiana, 3 to 4-ft., \$1.50 each; \$14.00 doz. | | | | | |

All Plants F. O. B.
Western Springs, Ill.

Vaughan's Seed Store,

84-86 Randolph St., CHICAGO. 25 Barclay St., NEW YORK,

Greenhouses and Nurseries: Western Springs, Ill.
"Spring Book for Florists." Ask for it.

CARNATIONS April Delivery, A few ready for March.

White Perfection, Rose Pink Enchantress, and Victory at \$15.00 per 1000.
White Enchantress, \$17.50 per 1000.
Lawson Enchantress, Winona and Beacon at \$20.00 per 1000.
O. P. Bassett and Alvina at \$30.00 per 1000.
Fenn, Lawson and Winsor at \$10.00 per 1000.

ALBERT M. HERR,

GERANIUMS, Ready March 21 and later.
Nutt at \$10.00 per 1000. Ricard and Poitevine at \$12.00 per 1000.
ASPARAGUS PLUMOSUS, \$25.00 per 1000.
ASPARAGUS SPRENGERI, at \$25.00 per 1000.
Sprengeri "SPECIAL" ready for four inch pots at \$50.00 per 1000, sample for 10c.

Lancaster, Pa.

there might have been a different award of the gold medal, as they were both in fine shape. Dillemath and Dunlop displayed these in their windows where they were much admired by local florists and the general public, possibly getting more prominence than they would have at the show.

Among the exhibitors The Dale Estate, Brampton, showed some fine carnations, their vase of O. P. Bassett being grand. The Bride and Bridesmaid roses were so fine that many of the local growers thought they would not be discarded entirely for the Killarneys. J. H. Dunlop had some finely grown varieties, his vase of Winsor receiving much comment. E. A. Crowhurst showed good commercial varieties noted for their strong, rigid stems, his Pink Delight proving quite a favorite. R. Jennings, of Brampton, showed carnations and violets. Wm. Fendley, Brampton, showed carnations, lily of the valley and violets. Wm. Jay & Son, well-grown carnations, palms and ferns. Thos. Manton groups of orchids, flowering plants and ferns. Sir Henry Pellat (J. McVittie gardener), exhibited a fine collection of plants, one specimen of *Cattleya labiata* being certificated. Allan Gardens (E. F. Collins gardener), had a fine collection of flowering plants and ferns, a specimen genista being admired by all. The judges were E. F. Collins and H. G. Dillemath.

The Gardeners' and Florists' Club held an interesting meeting on Thursday evening at St. George's hall. The eternal question, "Judging" was taken up but no definite decision was reached. The next regular meeting

A New Fern NEPHROLEPIS GIATRASI

Awarded a Certificate of Merit by the Horticultural Society of New York.

Prices: In 2¼-inch pots, \$3.50 per dozen; \$25.00 per 100; \$200.00 per 1000. 25 plants at 100 rates; 500 plants at 1000 rates. Orders delivered in rotation as received. Now Ready for delivery,

GEORGE GIATRAS,
463 Summit Ave., West Hoboken, N. J.

Mention the American Florist when writing

will be a social one. Come and make merry.

Thos. Manton had one of the best decorations of the year at the King Edward hotel. Orchids and valley constituted the principal flowers used and, having orchids in generous quantities, Thomas was not loath to use them as he had a carte blanche order. Pity 'tis there are not more of this kind.

Visitors: Wm. Gammage, London; E. L. Janzen, Berlin; Messrs. Fendley, Dale, Jennings and Cooper, Brampton; representatives of Bayersdorfers, Rice's, Wertheimer Bros. and Schloss Bros.

Frank Duffert is bringing in some well-grown lilacs which meet with a ready sale.

H. G. D.

Almost Sold Out

Have you sent us an order for your stock of Carnation Dorothy Gordon? Easy to put it off—but our supply is limited. Orders are piling in every day, and some of you who are planning to grow this splendid carnation for your trade this year are going to be disappointed.

This magnificent flower made a big "hit" at the Pittsburg meeting, but that didn't surprise us any, for a great many of our friends in the trade long ago learned that for real, substantial profits

Carnation Dorothy Gordon

stood away up at the top of the list. We know we "harp" a lot about its merits, but when you know this grand new variety as we do, you'll be enthusiastic, too. Flowers fragrant and uniform in color—a little darker than Pink Enchantress; very large—size, 3 inches or more in diameter—buds of good substance and very lasting. All these features spell profits for growers of Carnation Dorothy Gordon—double profits, for the plants

bear more flowers which sell for a higher price, bringing your gains up to nearly twice what you can get from other commercial sorts.

Come to Wyncote and see Dorothy Gordon growing; if you cannot do that write or wire us now and we will reserve stock for you. But do it quickly if you want any rooted cuttings this spring. Interesting literature rec. Prices are: \$10.00 per 100; \$75.00 per 1000.

JOSEPH HEACOCK COMPANY, Disseminators,

Wyncote, Pa.

LARGE KENTIA WANTED

Twenty to thirty feet high and well furnished. Send description, price and weight.

Park Floral Co.

Box 700, DENVER, COLO.

Geraniums

| | | |
|---|---------|--------|
| S. A. Nutt and 8 other varieties. | 1000 | 100 |
| 2½-in. pots | \$20 00 | \$2 50 |
| Alternantheras, yellow, rooted cuttings | | 50 |
| Vincas, Var. 2-in. pots | | 2 00 |
| Asp. Sprengerl seedlings | 7 00 | 1 00 |
| Pansy Plants | 2 50 | |

—Cash—

Jos. H. Cunningham, Delaware, O.

List OF 200 Roses

Bumper crops for spring delivery,

THE LEEDLE FLORAL COMPANY
SPRINGFIELD-OHIO

AURORA, ILL.—Engledew & Co., proprietors of the Fabyan greenhouses, will rebuild the greenhouse plant entirely this spring and the old houses will be abandoned.

TOMAH, WIS.—Louis Stoerkel, proprietor of the Tomah Greenhouse and Fruit Farm, will build two additional sections on the south side of the present greenhouse, one 18x65 feet, and the other 18x125 feet. The buildings will all be connected and another boiler will be added to the heating plant. The capacity of the greenhouse will be about doubled. Mr. Stoerkel has nearly all the materials on hand and expects to put up the buildings as soon as the building season opens.

Rooted Carnation Cuttings.

New Carnations for 1910.

| | | | | |
|---------------------|-------------------|---------|----------------------|---------|
| Dorothy Gordon..... | \$75 00 per 1000: | Per 100 | Admiration..... | Per 100 |
| Shasta..... | | \$10 00 | Alma Ward..... | \$12 00 |
| Scarlet Glow..... | | 12 00 | Mrs. C. W. Ward..... | 15 00 |
| Sangamo..... | | 12 00 | Conquest..... | 12 00 |

Carnations of 1909.

| | | | |
|-----------------------|------|-------------------------|------|
| O. P. Bassett..... | 6 00 | Ruby..... | 6 00 |
| Pink Delight..... | 6 00 | Mrs. J. C. Vaughan..... | 6 00 |
| Mrs. Chas. Knopf..... | 6 00 | Georgia..... | 6 00 |

Standard Varieties,

| WHITE VARIETIES. | Per 100 | PINK VARIETIES. | Per 100 |
|------------------------|---------|-----------------------------|---------|
| White Enchantress..... | \$3 00 | Winsor..... | \$3 00 |
| Lady Bountiful..... | 3 00 | Afterglow..... | 3 00 |
| White Perfection..... | 3 00 | Splendor..... | 3 00 |
| Queen Louise..... | 2 00 | Pink Imperial..... | 2 50 |
| The Queen..... | 2 00 | Rose Pink Enchantress..... | 2 50 |
| My Maryland..... | 2 00 | Mrs. Thos. W. Lawson..... | 2 00 |
| Sarah Hill..... | 3 00 | Nelson Fisher..... | 2 00 |
| Lloyd..... | 3 00 | Mabelle..... | 1 50 |
| | | Variegated Enchantress..... | 2 50 |

RED VARIETIES.

| RED VARIETIES. | Per 100 | YELLOW VARIETIES. | Per 100 |
|---------------------|---------|--------------------|---------|
| Robert Craig..... | \$3 00 | Eldorado..... | \$2 00 |
| John E. Haines..... | 2 00 | Golden Beauty..... | 2 00 |
| Beacon..... | 3 50 | | |
| Flamingo..... | 2 00 | | |
| Victory..... | 3 00 | | |
| Roosevelt..... | 2 00 | | |
| Harlowarden..... | 2 00 | | |
| Cardinal..... | 2 00 | | |

VARIEGATED VARIETIES.

| VARIEGATED VARIETIES. | Per 100 |
|-----------------------|---------|
| Mrs. Patten..... | \$2 50 |
| Jessica..... | 2 50 |

Grafted and Own-Root Roses ready for Early Delivery. Send for Circular.

Choice Varieties of Verbenas.

| | Per 100 | 1000 | | Per 100 | 1000 |
|------------------------------------|---------|---------|------------------------------------|---------|---------|
| Rooted Cuttings, our selection.. | \$ 75 | \$ 6 00 | Rooted Cuttings, Purchasers selec. | \$ 90 | \$ 8 00 |
| Plants, 2½-in. pots, our selection | 2 50 | 20 00 | Plants, 2½-in. pots, | 3 00 | 25 00 |

Entirely sold out of Miss Wilmott cuttings and plants.

J. L. DILLON,

Bloomsburg, Pa.

CANNAS

Dormant roots, of 2 and 3 eyes each.

| Orchid Flowering | Yellow and Orange | Pink Shades |
|-------------------------------------|-------------------------------------|-------------------------------------|
| at \$1.50 per 100; \$14.00 per 1000 | at \$1.25 per 100; \$12.00 per 1000 | at \$1.50 per 100; \$14.00 per 1000 |
| 1500 Austria | 2000 Florence Vaughan | 400 Mme. Berat |
| 1500 Italia | 150 King Edward | |
| 500 John White | 450 N. Wendlandt | |
| 300 Mrs. Kate Gray | 500 Parthenope | |
| 1500 Pennsylvania | 400 Paul Marquart | |
| | 150 Victory | |
| Red Shades | Dark Leaved | Red Gold Edge |
| at \$1.25 per 100; \$12.00 per 1000 | at \$1.75 per 100; \$15.00 per 1000 | at \$1 50 per 100; \$14.00 per 1000 |
| 300 Alice Roosevelt | 1500 Egandale | 300 Mme. Crozy |
| 250 Beate Poltevine | 600 Grand Rogue | |
| 400 Chas. Henderson | 200 Shenandoah | |
| 1000 Duke of Marlborough | 150 Robusta | |
| 700 Pillar of Fire | | |
| 1000 Crimson Bedder | | |

25 at 100 rate; 250 at 1000 rate,

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Carnations for fall delivery. Smilax, Violets

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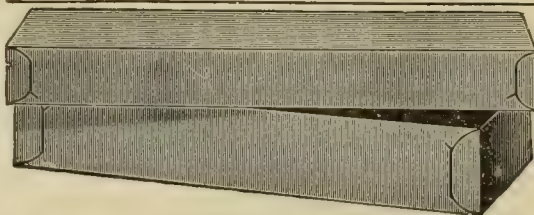
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Alternantheras, strong, well-rooted cuttings, red and yellow, 50c per 100; \$4 per 1000. Brilliantissima, 60c per 100; \$5 per 1000. J. W. Davis, 225 W. 16th St., Davenport, Ia.

Alternantheras, 2½-in., yellow, 2c. Mosbaek Greenhouse Co., Onarga, Ill.

Alternantheras, yellow, R. C., 50c per 100. Jos. H. Cunningham, Delaware, O.

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Alyssum giant and dbl., 2-in., \$2 per 100. R. Vincent, Jr., & Sons, White Marsh, Md.

Alyssum, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

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Asparagus plumosus nanus, from 2½-in. pots, \$2.50 per 100; \$22.50 per 1,000. Cash with order. Floral Hill Gardens, G. F. Kneipp, Prop., Chatham, N. J.

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Fine 2-in. Sprengeri, \$2. Strong value to shift now. Plumosus, 2-in., \$2.50; 4-in., \$8. Gullett & Sons, Lincoln, Ill.

Asparagus plumosus nanus, 2½-in. pots, strong plants, \$2 per 100. Grand Rapids Greenhouse Co., Grand Rapids, Mich.

Asparagus Sprengeri, 2-in., \$3 per 100; 3½-in., heavy, \$4.50. Wagner Park Conservatories, Sidney, O.

Asparagus plumosus, 2½-in., 3c; 3-in., 6c. Sprengeri, 2½-in., 2c; 3-in., 5c; 4-in., 10c. Mosbaek Greenhouse Co., Onarga, Ill.

Asparagus Plumosus, \$25 per 1,000. Sprengeri, \$25 per 1,000; 4-in., \$50 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus plumosus, 4-in., extra fine large plants, \$8 per 100. Scharff Bros., Van Wert, Ohio.

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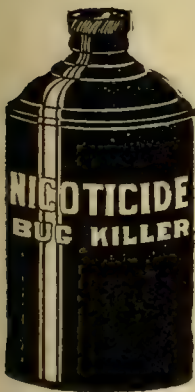
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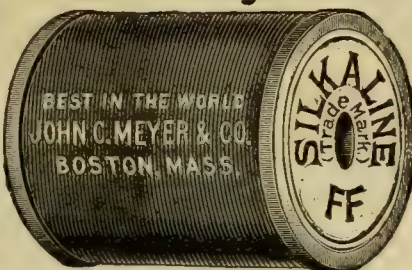
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Pots. Syracuse red. Syracuse Pottery Co., Syracuse, N. Y.

Pots. Standard, all sizes. A. F. Kohr, 2934-38 N. Leavitt St., Chicago.

Paper flower pots, 500,000. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

STAKES.

Cane Stakes. Standard grade 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000.

Pipe stems about 6 feet, per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

WIRE DESIGNS.

Headquarters for wire work. Send for list. F. W. Ball, 31 E. 3rd St., Cincinnati, O.

WILKS' Hot Water Boilers

ARE THE MOST ECONOMICAL
Boiler for Greenhouses

No Night Fireman Required
with our
SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

S. WILKS MFG. CO.,
3503 Shields Ave. CHICAGO.

Garman's Antipest

INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse
Non-poisonous and harmless
to vegetation.

Kills Green Fly, Aphides, Bark Lice,
Thrips Mealy Bug, Red Spider,
Scale, Wire Worms, Ants
and Slugs.

This is the grower's Friend. Handy to
use, cheap and effective, mixes readily in
water. Destroys all insect pests and
keeps down mildew. Circulars on applica-
tion. \$1.50 per gallon. Also in
quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.

Steel Return Tubular Boilers

The Most Economical Type of Boiler
for Greenhouse Heating. Highly
recommended by well-known florists.

JOHNSTON HEATING CO., 138 E. 31st St.,
NEW YORK.

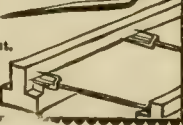
Holds Glass Firmly

See the Point 45°
PEERLESS

Glazing Points are the best.
No rights or lefts. Box of
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HENRY A. DREER,
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FULL SIZE
No. 2



SIEBERT'S ZINC

Never Rust
GLAZING POINTS

Are positively the best. Last forever. Over
30,000 pounds now in use. A sure preventative of
glass slipping. Effective on large or small glass.
Easy to drive. Easy to extract. Two sizes 3/8 and
7/8. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50
15 lbs. for \$5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Successors to
Chas. T. Siebert, Baum & Beatty Sts., Pittsburgh.

Yonkers, N. Y.

A very interesting meeting of the
Horticultural Society was held in
Guinzberg's hall Wednesday evening,
February 16, at which several new
members were admitted. All the offi-
cers were present, with President Ben-
nett in the chair. As there was a
prize offered at our last meeting by
Peter Macdonald for the best collec-
tion of one dozen carnations of any
variety, a very fine lot of carnations
were shown. The judges appointed by
the president were M. Nichol, A. Mac-
donald and W. Wright, who awarded
the prizes as follows: W. H. Waite,
first; J. Goff, second; R. Cummings,
R. Cochran and H. Scott, honorable
mention.

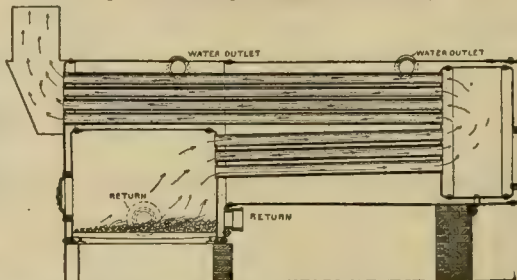
After the business of the meeting
was over President Bennett read a
very able paper on "American Beauty
Roses," after which he invited a gen-
eral discussion, which was taken part
in by several members, among them

The Superior Standard

RETURN FLUE FIRE BOX BOILER

contains more heating surface, and less water space than any other steel boiler.
2/3 of the heating surface is in the tubes.

Ask the
man that
knows the
one using
different
style boilers
—names are
yours for
the asking.



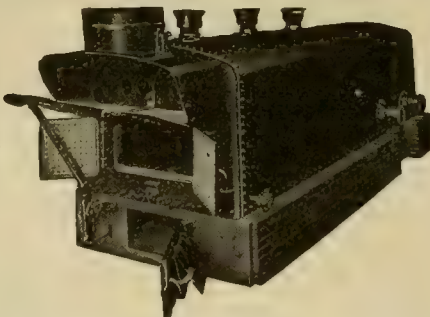
After using
our boiler
one season,
you will say
like all
others:
Nothing but
"Superior"
for me.

This boiler has given better satisfaction than any other boiler on the market

MADE IN NINE (9) SIZES FOR HOT WATER.

Send for catalogue and list of growers that are using this boiler.

THE SUPERIOR MACHINE & BOILER WORKS, 840 -850 Superior St., Chicago.



SEE HOW WELL THEY LIKE ME

150 New Establishments with 2,158,000
square feet of glass have installed
this boiler in 1906.

Ask for list of users and get acquainted
with the men who know.

Catalogue and prices on application.

KROESCHELL BROS. CO., 452 W. Erie St.
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"DETROIT" RETURN TRAPS

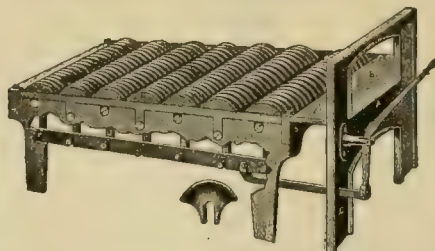
in the Steam-Heated Greenhouse

BETTER THAN A REBATE IN THE COAL BILL.

AMERICAN BLOWER CO. (MANUFACTURERS) DETROIT, MICH.



The Grate Does It!



Saves 10 to 25% of the
coal your boiler is using.

Positive guarantee given

Send for circular "N"
and our famous Lecture
on Combustion.

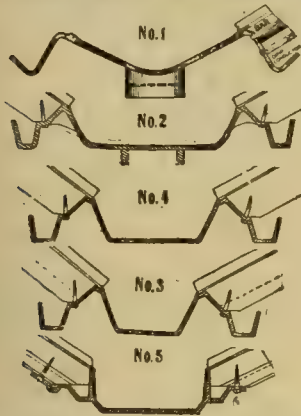
U. S. ROCKING GRATE BAR CO.,

77 Jackson Boulevard, CHICAGO.

being Messrs. Waite, Nichol, Mooney
and Lahm. The next meeting will be
held March 2, when it is expected
there will be a very fine show of roses,
as President Bennett has offered a

prize for the best collection of one
dozen of any variety. Secretary Waite
will read a paper on "Gardeners and
the Gardening Profession" at the next
meeting. L. W.

A Gutter With a Reputation



Ask the man who has tried them. For further particulars, write to
GEO. M. GARLAND CO.,
 DES PLAINES, ILL.

KEEP A

Holly Standard Circulator

busy and watch results.
SUB-TARGET GUN COMPANY
 Steam Engineering Department,
 216 High Street BOSTON, MASS.

Superior Carnation Staple
 Crimped Invisible
 (PATENT APPLIED FOR.)

For repairing split carnations. 1000 for 50 cents
 Postpaid.
L. J. WAITE, 293 Main St., Springfield, Mass.

Montreal.

FLOWERS PLENTIFUL.
 The supply of cut flowers is fairly plentiful. Dutch bulbs are in with a great variety and often help the retailer over a temporary shortage of roses and carnations which, owing to their continuous high price, have to be handled with care and caution. The prices charged by the leading retailers are continually going up, especially in the made up work, but, on the other hand, the cost of selling and delivering is also going up. Rents have taken another jump and a number of stores are quite unsettled about their present quarters. The grower, no doubt, would like to share in the present prosperity. The quality of his produce is always going up, but the price has not moved for a long time. Violets are plentiful just now; local growers have at last found out how to grow good ones. There is more space given to them this year than ever before. The old complaint that there is no profit in the handling of Dutch bulbs does not seem to hold good this year; there is more on the market than last year, and the prices charged seem to indicate a profit.

NOTES.

Hall & Robinson's carnations are the best seen this year, remarkably healthy with long stiff stems and large flowers; their roses were held back for some time to crop them for Easter. After this some will have to make room for bedding stock; one of their older houses was renovated last week, the wooden benches cleared out, up-to-date cement benches erected and the heating pipes rearranged—quite an undertaking in mid-winter.
 A visit to J. Bennett's at Lachine proved quite a treat. His roses are in first-class shape and a large house of violets was a sight to behold, with thousands of flowers in sight. The

Are You Going to Build?

Then send for our estimate before you buy. Get our catalogs. Our prices are reasonable and material the best that can be made.



JOHN C MONINGER Co

902 BLACKHAWK ST CHICAGO

Attention!! Glass Buyers!!

GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.
 Quality A. No. 1. Prompt shipments.

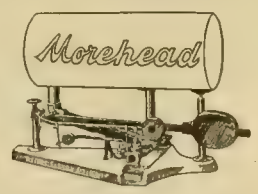
Hooker's Greenhouse White Paint

The most durable white paint for this purpose.
 Half barrels, (25 gallons), per gal. \$1.35. 5 gal. pails, per gal. \$1.40

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,
 Long Distance Phone 651-659 Washington Boulevard, CHICAGO.
 Monroe 4994.

Among Florists
 It is "THE MOREHEAD"
WHY?



BECAUSE it is giving them service they thought could not be bought for money.
 With an installation of a **Morehead Return Steam Trap** there begins a better growth of flowers, a more even temperature in your greenhouses, a decided decrease in your fuel bill and an infinite period of satisfaction.
 Let us put your name on our list of "satisfied users." Our "Trap Book" sent on request.

MOREHEAD M'F'G. CO., Dept. N, Detroit, Mich.

Easter stock is in good condition, the lilies quite forward and some had to be taken to the cooler houses. The general cleanliness of the place was very noticeable. Mr. Bennett now sells at wholesale only.
 The Gardeners' and Florists' Club

decided to hold a chrysanthemum show next November and the members took it up with a good spirit and promised to grow and do all they can to make it a success; the prize money is practically guaranteed.
 LUCK.



Model Extension Carnation Support

Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market.

Pat. July 27, '97, May 17, '98

CALVANIZED WIRE ROSE STAKES.

Write for prices before ordering elsewhere. Prompt shipment guaranteed

IGOE BROS.,
266 North 9th St.,
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H. BAYERSDORFER & CO.,



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1129 Arch Street, PHILADELPHIA, PA
Send for our new catalogue.

Wired Toothpicks

10,000, \$1.75; 50,000, \$7.50. Manufactured by

W. J. COWEE, BERLIN, N. Y.
Sample free. For sale by dealers.

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—Manufacturers of—

Wire Floral Designs and Specialties.
Catalogue Free.

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Lock the door before the horse is stolen,
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122 W. 25th St., NEW YORK.
FLORIST'S SUPPLIES.

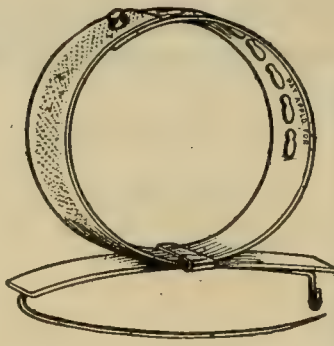
We Manufacture all Our
Metal Designs, Baskets, Wire Work,
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all Florists' Requisites.

A. HERRMANN,

Cape Flowers, all colors, Cycas
Leaves, Metal Designs and all
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Wilson's Corsage-Bouquet —HOLDER—

Award of "Highly Commended" at the S. A. F. Trade
Exhibition at Cincinnati.

Holds Corsage-Bouquet securely and gracefully.

Prevents damage to apparel.

Adjustable to any diameter of bouquet stem.
Adaptable to anything from Violets to Roses

Does away with Corsage Pins.
A handsomely silver plated article and ornamental
in itself.

Samples to trade, 25c each, by mail postage paid.
By the dozen, \$3.00, postage paid. Correspondence
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Robert G. Wilson, Fulton St. and Brooklyn, N. Y.
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THE ART OF Floral... Arrangement.

The first special newspaper in
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400 Partially Colored Illustrations Annually.
Specimen number free.
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Published quarterly. Annual sub-
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numbers, One Dollar. (Internat-
ional money order). Subscribe
today and keep in touch with
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The Horticultural Printing Company,
BURNLEY, ENGLAND.

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CATALOGUES

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WRITE FOR FIGURES.

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Plant Bed Cloth

For Florists, Gardeners, Truck Farmers,
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Waterproof Sheetting, Hay Caps, Etc.

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PRICE LISTS.

HALFTONES, ENGRAVINGS and
PRINTING FOR FLORISTS.

358 Dearborn Street, CHICAGO.

Has stood the test of over a Quarter
of a Century.

THOMSON'S
Vine, Plant and Vegetable
MANURE

UNRIVALLED

FOR

Vines,
Tomatoes,
Cucumbers
all Flowering,
Foliage and
Fruit bearing
Plants,
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The result of
many years
practical
experience.

PERFECT
PLANT FOODS

Sold by
Leading
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—ALSO—

Thomson's Special Chrysanthemum
and Topdressing Manure.

Freight paid on quantities. Write for our
special offer to the American trade, pamphlets,
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WM. THOMSON & SONS, Ltd.,
Tweed Vineyard, Clovenfords, Scotland

*green flies and
black ones too*
are easy to kill with

**The Fumigating Kind
Tobacco Powder**

\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back;
why try cheap substitutes that makers do
not dare to guarantee?

THE H. A. STOOHOFF CO.,
MOUNT VERNON NEW YORK.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

Florists' Refrigerators

Write us for catalog and prices, stating
size you require, and for what kind of cut
flowers you wish to use the refrigerator;
also state whether you wish it for display
or only for storage.

McCray Refrigerator Co

960 Mill Street, KENDALLVILLE, IND

FOR "POT LUCK" TRY US..

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS
WORLDS LARGEST MANUFACTURERS
WRITE FOR CATALOG AND DISCOUNTS.
A. H. HEWS & CO.

 Established 1765.
 CAMBRIDGE, MASS.

 452-460 No Branch St.,
 CHICAGO ILL.

 Pearson Street,
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All The Clay FOR OUR Florists' Red Pots

Is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We ship over five lines of railroad by river or interurban. Write for catalogue showing all the articles we make for florists' use.

THE PETERS & REED POTTERY CO.
 ZANESVILLE, OHIO.

Standard Flower Pots!

Packed in small crates, easy to handle

| Price per crate | Price per crate |
|------------------------------|-----------------------------|
| 1500 2-in., in crate, \$4.88 | 144 6-in., in crate, \$3.16 |
| 1500 2½ " " 5.25 | 120 7 " " 4.20 |
| 1500 2½ " " 6.00 | 60 8 " " 3.00 |
| 1000 3 " " 5.00 | 48 9-in., in crate, \$3.60 |
| 800 3½ " " 5.80 | 48 10 " " 4.80 |
| 500 4 " " 4.50 | 24 11 " " 3.60 |
| 456 4½ " " 5.24 | 24 12 " " 4.80 |
| 3.0 5 " " 4.51 | 12 14 " " 4.80 |
| 210 5½ " " 3.78 | 6 16 " " 4.50 |

Seed pans, same price as pots. Send for price list of cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY: Fort Edward, N.Y.
 or AUGUST ROLKER & SONS, New York Agents
 31 Barclay Street, New York City.

Morristown, N. J.

The second regular monthly meeting of the year of the Morris County Gardeners' and Florists' Society was held February 9; 32 members were present at roll call. The night was stormy or there would have been many more. Past President Percy Herbert came down from Newburgh, N. Y., to see us, and as Percy is a personal friend of every member of the club, you may guess how glad we were to see him. Harold B. Vyse, by request, had an essay on "Poinsettia Growing in Pots." His paper was enjoyed very much, and if we can grow them in 5 and 6-inch pots to have bracts 16 to 19 inches in diameter, as we have seen him do, we will be well repaid for going out in the storm. He received a hearty vote of thanks for his effort.

J. A. Peterson, of Cincinnati, O., had on exhibition a specimen of his Begonia Glory of Cincinnati. It looks as if it ought to net him a little fortune. Everybody admired it. It certainly is a fine thing. It was awarded a certificate of merit. Chas. H. Totty had a collection of sweet peas, from 17 to 20-inch stems. Gov. Fort was awarded a certificate of merit. The preliminary schedule for the fall flower show to be held here, November 2 to 4, is nearly ready for mailing. It carries over \$2,000 in its classes, and as this is only preliminary—a guide to growers—it is not complete. Our regular issue in July, we expect, will carry an extra thousand dollars. These funds are pledged in full, so all the committee has to do is to get up a show worthy

 Use our patent
 Iron Bench
 Fittings and
 Roof Supports.

**THE JENNINGS IMPROVED
IRON GUTTER.**
IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

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 S. W. Corner Sixth and Berk Streets
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**VENTILATING
APPARATUS.**

Neponset Waterproof Paper Flower Pot

WON'T BREAK. COSTS LITTLE.

Vaughan's Seed Store,

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84-86 Randolph St., CHICAGO.


Standard Flower Pots

 Porosity and Strength
 Unsurpassed.

Write for prices.

A. F. KOHR

2934-36-38 Leavitt St.,

CHICAGO

Those Red Pots

"STANDARDS"

Full size and wide bottoms.

BULB PANS and AZALEA POTS

DETROIT FLOWER POT M'FY

HARRY BALSLEY,

Detroit, Mich.

490 Howard St.


GEO. KELLER & SON,

Manufacturers of

Red Pots

Before buying write for prices.

 2614-2622 Herndon St.,
 CHICAGO.

of the name, and it now looks as if that was pledged too. Every society which has been approached promises to help us substantially, and so have individual growers, large and small. There will be glory enough for everybody. We want a banner show and will offer every inducement we can, and we will try to give full credit where due.

President Elmer D. Smith, of the C. S. A., in a letter announced at the January meeting that the C. S. A. would hold its next show here in conjunction with us, and many special prizes will be donated by it. It was a great boost to us and we appreciate the action of the executive committee very much. There is a lot more work to do yet, but we have workers here that have never flagged yet. March 9 next will be carnation night. For several years this has been one of



Prompt shipments guaranteed. We have a large stock of well made and well burned pots on hand for the trade of 1910. Our terms are as good as the best. Our catalogue on application.

SYRACUSE POTTERY CO.

SYRACUSE, N. Y.

Kramer's Pot Hangers

 For sale by Wholesale Seedsmen, Florists
 and Supply Dealers.

 Price, \$1.00 per dozen by express. mple
 dozen by mail, \$1.25.

I. N. KRAMER & SON, Cedar Rapids, Iowa

our great nights. Let us hope that the carnation men will come up this year as of old. There are many fine things in the market this year, and we ought to have some of them here to look at. There will be an informal discussion of the carnation, to be led by a veteran grower. Four new members were elected, John Whalen, Patrick J. Smith and Geo. Fisher, all of Morristown, and Edward McElhaney, of New Brunswick, N. J. Preliminary schedule can be had by addressing E. Reagan.

E. R.

PORTLAND, ME.—S. J. Harmon Co. has been incorporated, with capital stock \$10,000, to deal in flowers, plants, seeds, etc. E. J. Harmon, M. J. Hayes and H. Hayes are incorporators.

Hitchings & Company's IRON RAFTER HOUSE

A construction about which there is absolutely no doubt of its endurance and lightness. No reason for wondering whether it is worth the money.

It has stood staunch and true for years with never a blow-down—never a cave in. It's a record worth considering.

If you are thinking of building, write us.

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New York, 1170 Broadway.

Elizabeth, N. J.

THE STANDARD



VENTILATING MACHINERY

The original machine with self-oiling cups. The most powerful, least complicated, very compact, with ease of operation.

The New Duplex Gutter

Over six miles in use and highly recommended by all. The only Drip Proof gutter on the market.

The Standard Return Sloom Trap

It has no equals for simplicity or its working. Catalogue free.

E. HIPPARD, Youngstown, Oblo.

Mention the American Florist when writing

Nashville.

Violets, the natural valentine flowers, are buried beneath the snow banks in this vicinity, as they are all grown in cold frames which cannot be opened when the weather is extreme, as it has been the past few days. The Joy Floral Co. devoted a small part of its greenhouse space to violet culture, but not with very great success, the frame grown ones doing much better. Quite a large number of valentine orders were booked, making quite an activity in floral circles. Both the Joy Floral Co. and Geny Bros. had a fine supply of sweet peas of all colors, which were very much in demand and ranked next to violets as favorites for the day. Many violets were shipped in to supply the demand in lieu of the home supply.

The Joy Floral Co. has excellent American Beauty roses, for which there is a fine demand. They have very long stems with fine healthy foliage and large, perfect flowers, and prices are good on them. All kinds of roses and carnations of good quality are equal to the demand. Lily of the valley and Roman hyacinths are also well represented in the demand. Quite a run was made on red carnations, that color seeming to suit St. Valentine's season in the mind of the average purchaser, dividing honors with the violets. All show pretty, heart-shaped boxes which, filled with flowers, makes a very pretty gift. The usual violet colored boxes were used for violets.

The fall of nine inches of snow on Friday last was an unusual occurrence in this vicinity and it is still upon the ground.

PIPE! PIPE! PIPE! PIPE!

Large stock of Standard Pipe, will be cut to any length.

We can save you 50%.

| | | |
|-------------------------------------|----------------------------------|------------------------------|
| 50,000 feet 1-in. Standard Pipe. | 2,000 feet 10-in. Standard Pipe. | 80,000 ft. 3/4-in. Casing. |
| 20,000 ft. 1 1/2-in. Standard Pipe. | 4,000 feet 12-in. Standard Pipe. | 8,000 ft. 5/8-in. Casing. |
| 30,000 feet 2-in. Standard Pipe. | 35,000 ft. 1-3/4-in. Casing. | 9,000 ft. 6 1/4-in. Casing. |
| | 40,000 ft. 3 1/4-in. Casing. | 1,250 ft. 8 1/4-in. Casing. |
| | | 1,500 ft. Riveted Steel Pipe |
| | | 24 to 72-in. diameter. |

BOILERS! BOILERS!

| | | |
|----------------------------|-----------------------------|-----------------------------|
| 5 - 72x20 Tubular Boilers. | 2 - 54x14 Tubular Boilers. | 2 - 42x10 Fire Box Boilers |
| 2 - 72x18 Tubular Boilers. | 3 - 42x12 Tubular Boilers. | 1 - 36x12 Fire Box Boiler. |
| 6 - 60x16 Tubular Boilers. | 2 - 36x10 Tubular Boilers. | 1 - 36x10 Fire Box Boiler. |
| 1 - 60x14 Tubular Boiler. | 2 - 48x14 Fire Box Boilers. | 2 - 30x 8 Fire Box Boilers. |
| 2 - 54x16 Tubular Boilers. | 3 - 48x12 Fire Box Boilers. | |

All of the above in good condition, for heating service only.

Louisiana Red Cypress Hot Bed Sash

| | |
|---|--------------|
| 20,000 Glazed Hot Bed Sash, painted, 3x6 ft., 1st quality soft Pine | Each \$ 1.50 |
| 40,000 Glazed "Louisiana Red Cypress" sash, 3x6 ft., best quality | Each 1.65 |
| Complete Hot Bed Outfits, including subframe, top frame and sash, | |
| 6x6 ft., 34-in. deep | Each 7.98 |

Send for our new 500-page Catalog No 47. Free upon request.

CHICAGO HOUSE WRECKING CO.,

35th and Iron Sts., Chicago.

NOW IS THE TIME

The King Iron Frame Construction

Is acknowledged the best. Minimum Shade. Maximum Strength.

"ASK THE MAN WHO HAS ONE"

C Brehmer, Chillicothe, O., 42 ft. by 175 ft.
F. Witthuhn, Cleveland, O., 30 ft. by 66 ft.
F. F. Crump, Colorado Springs, Colo., 21 ft. by 150 ft.
F. Holberg, Denver, Colo., three 25 ft. by 125 ft.
Walla Walla Floral Co., Walla Walla, Wash., two 32 ft. by 100 ft.

Cochrane & McKay, Chicago, Ill., two 21 ft. by 141 ft.
H. E. Asplun, Rocky River, O., 54 ft. by 175 ft.
Wm. Krieger, Lansing, Mich., 28 ft. by 100 ft.
C. F. Maler, Denver, Colo., two 21 ft. by 100 ft.
F. Tegerler, Denver, Colo., 25 ft. by 125 ft.

Scientific in Principle. Practical in Operation.

Less Expensive to Erect Than Wood.

King Construction Co., North Tonawanda, N. Y.

W. F. Jocelyn, the capable landscape gardener, who developed the Centennial park into a thing of beauty, has secured a position with William Cummins, one of our millionaires who has a lovely country home, Royal Oaks, on the Harding road near the city. The family are in New York a great deal of the time, and

Mr. Jocelyn has "carte blanche" in his decorations and gardening. They have pretty but not very extensive greenhouses.

Thomas C. Joy and his daughter, Mrs. Horn, have just returned from a visit to the former's daughter at Spartanburg, S. C.

M. C. D.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXIV.

CHICAGO AND NEW YORK, MARCH 5, 1910.

No. 1135

THE AMERICAN FLORIST

TWENTY-FIFTH YEAR.

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Entered as Second-Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago,

Long Distance Phone: Harrison 7465.

Eastern Office: 1133 Broadway, New York.

Philadelphia, Pa.: Robt. Kift, 1725 Chestnut St.

Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a year; Canada, \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from the trade. Volumes half yearly from August, 1901.

Address all correspondence, subscriptions, etc., American Florist Co., 324 Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—F. R. PIERSON, Tarrytown, N. Y., Pres.; FRED W. VICK, Rochester, N. Y., Vice Pres.; H. B. DORNER, Urbana, Ill., Sec'y; WM. F. KASTING, Buffalo, N. Y., Treas. Next meeting at Rochester, N. Y., August, 1910.
Second National Flower Show, Boston, Mass., March, 1911.

THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at Boston, Mass., March, 1911. FRED. BURKE, Pittsburg, Pa., President; A. F. J. BAUR, Thirty-eighth St. and Senate Ave., Indianapolis, Ind., Secretary.

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at New York, March 16-18, 1910. AUG. POEHLMANN, Chicago, President; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., Secretary.

AMERICAN PEONY SOCIETY.

Seventh annual meeting at Horticultural Hall., Boston, Mass., June 1910. B. H. FARR, Reading, Pa., Pres.; A. H. FEWKES, Newton Highlands, Mass., Sec'y.

Our Supplements.

Subscribers should see that they get copies of the fine supplementary illustrations showing high grade design and decorative work. These fine supplements appear with each issue and should be carefully preserved, as they mean much to the retail florists in dealing with their customers, illustrating as they do the various kinds of work that the everyday florist is called upon to perform.

The papers in which the supplements appear should be likewise preserved, as they contain much valuable data with regard to these special illustrations. Subscribers should see that they get every issue as otherwise they may miss some of this high grade work.

THE WEEK AT PEACEFUL VALLEY

By The Optimist.

Preparations for Building.

The Boy, with Italian Joe as a helper, has turned out quite a lot of concrete blocks the past week. We have purchased a new block machine, recently, that works much better than the old one, as it permits of faster work and a wetter mixture. The architect has presented his first sketches of that new store building, and we have spent several evenings in studying the details and puzzling our brain a little in the endeavor to crowd an 8-inch block into a 6-inch space, and on similar problems. This preliminary planning and anticipation is more than half the pleasure in any new work. To some, we presume it would be only vexation of spirit, but to The Optimist it yields more genuine satisfaction than a season of grand opera. This new building is to consist of two stories and basement, 24x40 feet, with a show house at the rear. The street floor is for the sale of flowers and plants, and has a large show window. The second floor, reached by an easy flight of stairs from the store, is intended for the display of seeds, bulbs and incidentals. We have a growing trade in these lines, but prefer to keep them separate from the floral end of the business.

For Easter.

Jack and The Optimist have been shifting and cleaning up some of the Easter stock. Owing to the early date of Easter this year, our latest lot of Chinese primroses and cyclamens will be in good form, and will help out a bit. Last fall we lifted about 200 plants of hardy English primroses (*Primula veris*) and planted them in a rather cold corner of a violet house. We are now potting them and they promise to give us something out of the ordinary for Easter trade. We procured seed of an improved strain and the range of colors and size of flowers is superb. Some of the plants already show upwards of 40 flowering stems. We do not force lilies, having

come to the conclusion that it is cheaper for us to buy the few hundred plants we require of a specialist. If we were to grow lilies again we would grow a house, as then the necessary temperatures could be maintained without detriment to other things.

Marguerites.

The time was, and not so many years ago, when Peaceful Valley was noted for the quantities of yellow marguerites grown here. I won't speak of quality, as that might be considered egotistical. Three years ago we grew and sold a little over 250,000 marguerite flowers. This year we shall not have 10,000. The reason? Oh, just the usual uncertainty always incident to the culture of *Chrysanthemum frutescens*. Many enter the field, but few stay for a great while. The marguerite is a pretty, a useful, and an always popular flower, but in growing it in this climate, for winter flowers, one undertakes a by no means easy task. The genus is a native of a clime having very cool nights and warm days, with lots of sunshine. This is true, I think, of the Canary islands, summer and winter. In our northern and eastern states the conditions are reversed. Our summers are hot and dry and our winters give one day of sunshine to four cloudy, or partially so—and the marguerite is a sun worshipper. We have found the greatest difficulty to be the carrying of the plants through the summer. Many a grower has started with a nice lot of plants in the spring, only to see them gradually decline and die, without an apparent cause, until in the fall he was lucky to have one-tenth of the number fit for planting. In speaking of marguerites, remember I mean the modern varieties of winter bloomers, not the spring blooming kinds, commonly advertised, and of little use except for bedding. Like all useless things these varieties are of easy culture, and hard to kill.

The winter-blooming varieties all originated in southern France, from

plants brought originally from the Canary islands. Etoile d'Or was the first yellow variety to come into notice. This is as easy of culture as any of the winter-flowering section, and gives flowers of medium size, quite plentifully in fall and spring, and a few in mid-winter. Some 10 years ago, an English gardener brought over plants of a yellow that flowered freely in winter, and gave us large flowers on long stems. This was Reve d'Or, now quite common in the vicinity of Boston, although few of its growers know it by name. This variety is well named. It is truly a "dream of gold." If you can do it well, you get the gold. If you can't—well, you have the dream, anyhow. Of 100 rooted cuttings—and it roots readily, from October to March—possibly 25 will make plants. The balance throw up a single stem, with a bud on the end of it, and no amount of coaxing will develop them to be of use. The variety makes few cuttings and growing plants in the field are apt to get weary and go to the long sleep. This would seem to be a case for selection of stock, but this remedy seems only partially successful. Other yellow varieties listed are: Grandiflorum Luteum, which seems much like Etoile d'Or, and Schone de Nizza and Soleil d'Or, which seem identical. We are now giving the latter variety a good test and hope it is going to prove an easier subject than the "Dream." I understand it is the variety now usually grown in the Riviera, for shipping to England and other countries of Europe.

WHITE VARIETIES.

Of white varieties, there are California Giant, sometimes called Nicholson's White, Madame Gailbert, Paris White, and Queen Alexandra. California Giant is generally grown hereabouts. Paris White is the one you usually get if you order white marguerites from a trade advertisement, and Madame Gailbert has an immense quantity of flowers, in clusters, and is a nice thing for pot plants. Queen Alexandra seems to belong to a distinct species, and comes from Africa. The same is true, I believe, of the origin of the new double flowering variety, stock of which is now being worked up by Sander & Son. The flowers of the three varieties first mentioned above, are not well adapted for evening use, as the petals reflex at night, and the blooms look as though gone by. Queen Alexandra does not have this fault, but it is rather a shy blomer in winter, and the stems rarely exceed six inches in length. This variety is new to cultivation and it is likely that the future may give us improved strains, as the variety has already given us several sports, either showing pink in the center, or with other variation. The great obstacle in improving or securing new varieties of this winter-flowering class of marguerites is the fact that they do not seed in America. I have yet to hear of any one raising a seedling from any of the above varieties. The cheap, weedy varieties, like Comtesse de Chambord, that do seed, are of little use, and I have never succeeded in getting pollen of the better varieties, for purposes of cross breeding.

THE RETAIL TRADE

Harp of Roses. Callas and Carnations.

SEE SUPPLEMENT WITH THIS ISSUE.

The harp is always a popular design and the near approach of St. Patrick's day will make the Irish harp even more so. Retailers should come out for this trade by preparing a harp design and showing it in their window, treating it in different ways on different occasions, for there are several different methods by which a fine design may be made and what does not appeal to one customer may to another. The newer wire forms for harps are far better than the old style. These had wooden struts or legs that were difficult to do anything with, but the solid wirework base on the newer forms can be covered with galax, carnations or, in fact, any flower in season and with very little trouble.

A very beautiful harp can be made by covering the frame first of all with galax or magnolia leaves, the green galax being especially suitable. For the strings use narrow white ribbon and drape this very lightly indeed with sprays of Asparagus plumosus or single strands of smilax. On the upper part or shoulder of the harp a loose knot of roses may be tied with a green ribbon, a smaller knot being placed opposite and a light draping of the same variety being arranged on the sides. The base may be worked out with medium sized callas and leucothoe

to show out distinctly and give a bold effect. The solid part of the design will give the idea of the harp all right and these loose bold clusters add a grace to the whole that is very pleasing.

Tags for Florists.

We are pleased to show herewith a reproduction of the address tag used by Thos. F. Galvin, Boston, Mass., for he not only appreciates the great value accruing from a store appropriately elegant in its appointments, but carries this same sense of the eternal fitness of things into every detail of his great business, even to his shipping tag.

The Galvin tag is large and made from a fine white stock especially prepared by the Dennison Manufacturing Co. for the florist trade, possessing a superior writing surface which is not affected by water; in fact, should the tag get wet, it would dry out, leaving no trace of stain or spot. It is beautifully printed in red and green, the name being a distinctive style of lettering, and the whole effect so attractive that this tag has acquired the importance of a trade mark and, wherever seen, enhances the prestige and extends the reputation of its sender.

It is strange how inconsistently the minds of some men work. One would think any florist, whose eyes are trained to artistic effects and whose clientage is composed of the most dis-

THE GALVIN TAG.

and a very fine design at a moderate price will result.

Another beautiful harp we saw recently was treated similarly on the strings but the frame was made of white carnation. On this loose clusters and garlands of American Beauty roses were tied at suitable places. The base was composed of brightly colored foliage, small pots of Pandanus Veitchi and dracæna being cut off and arranged at prominent points with Easter lilies standing higher up. An important point to keep in mind in the harp designs is that the knots or bunches of flowers should be sufficiently large, on the large sized harps,

criminating, would scan carefully every detail of his appointments that all might be of proper fitness. Yet to many "a tag is a tag," and any tag will do. They never seem to think that their customer sees the tag before he sees the goods and many others, who never see the flowers, see the tag in its passage from his store. On all it leaves its impression. The concern of every florist should be as to the kind of impression left, for a man's reputation is a valuable asset.

There can be no doubt as to the impression such a tag as illustrated has created and the part it is playing in extending Galvin prestige.



HARP OF ROSES, CALLAS AND CARNATIONS WITH CYCAS LEAVES.

The Grower and the Retailer

CAN HELP EACH OTHER.

One of the greatest business men of our times has said "Any fool can get prices down, but it takes a clever man to get them up," and there is a whole power of wisdom in that statement. You cannot serve the lady and the lady's maid with the same article at the same price, because it will be too common for the one and too expensive for the other. A flower is either choice or common; it cannot be both. There would be no change in fashions if it were not simply that the classes were trying to dress differently, and look distinct from the masses. Reformers and preachers alike tell us that it is simply impossible to mix class with class.

Now if good carnation blooms are hawked in the streets of our large cities at two a penny, who benefits? Not the grower, because his product is sold cheaply. In the end the commission salesman does not, because a good class flower is being degraded and his good class customers will not care to stock them, besides less money passes through his hands, says a correspondent of the English Horticultural Trade Journal. Now the retail florist surely cannot benefit, because some of his customers are being served through another channel, and his high-class customers will be disgusted, and require something different, and it does not always follow that it will be flowers. If carnations are their favorite choice. No, I would rather say that the retail florist is injured, because perchance he bought from the salesmen early in the market when carnations were at the same price as that at which the gutter hawker is able to retail his flowers. Hence he must sell at a loss, or spoil prices, or maintain prices and appear ridiculously dear in the eyes of his customers, who, in future, will hold him with suspicion.

So, who benefits? The middle class buyer has a change in flowers which he buys for the same amount of money so to a degree he benefits. But it is the hawker, the enemy of the florist and all good nurserymen, who benefits, and he is thus made more powerful and a still greater menace to the industrious citizen who has to pay his rates and taxes coupled with a heavy rent. The digest of the whole thing is simply this, that no one of any importance is satisfied.

Now if this is twentieth century business some of us had better retire on our pensions. It certainly cannot be in keeping with modern times and methods practised in other walks of life.

If the supply exceeds the demand at any one short period, would it not be a thousand times better for the nurseryman and florist, whose interest are so closely allied, if there was a reasonable minimum price fixed under which the commission salesmen were instructed not to sell, and all carnation blooms remaining unsold returned to the grower, if simply for the purpose of checking. Such an arrangement would guard all those whose interest were best served, because in time of glut the best stock would sell at a minimum price to the

best buyers who could speculate without fear. This in itself would mean that the wholesale grower in reality would receive the same returns even if fewer blooms were sold, and would preserve the dignity of his flower, which is a mutual gain.

Now, out of common fairness to the commission salesman, it is up to all growers of carnations to handle their flowers as carefully as possible, not growing too many small lots, and so having to allow some flowers to remain on the plants or in the bloom shed until there are 25, or more as the case may be, to make up an even count.

The blooms must be cut whilst they are young and in a fresh condition, remain in water for a time in a proper dark bloom shed, and be well packed if the salesman is to be able to build up a good connection at fair prices. It is also the grower's duty to take instructions from him as to best varieties to grow, and their shipping qualities; remember that it is much better to grow three varieties well, having a regular supply of bloom, than to grow six varieties badly, with an irregular supply.

Now, if you, Mr. Editor, will be long-suffering with me, I am going to have a shot at the retail florist, the man who expects to make as much profit at Christmas and Easter as he does for the rest of the year combined. He is not content with a small percentage of advance like the grower, but demands a 300 per cent profit on his sales. At these two holidays, just because he thinks the customer must have the goods, he tells him flowers are very expensive and that there is a great demand, until everyone is so frightened at the prices of flowers and plant at Christmas and Easter that the trade is not on the increase but remains where it was some five years ago, and people who would buy our produce patronize the confectioner, jewelry or other shopkeepers who are too smart to try and extort abnormal prices simply because there is an increased demand. I hope I am understood; I do not object to a fair and proper advance in price, but when it comes to narrowing down the scope of our trade by the florist trying to make as much profit in two weeks as he does in the other 50. I think the whole trade must suffer, and instead of broadening our basis, we are doing the reverse, and turning money down other channels.

We must all remember that our interests are so closely allied that we have to advance as a whole, guarding each other's interest.

MOLINE, ILL.—Julius Staack & Sons have two large new boilers on the ground ready to be installed to heat their new greenhouse plant.

SOUTHAMPTON, N. Y.—The Horticultural Society will hold its next annual exhibition July 20-21, and the flower show committee has in preparation the most attractive premium list ever issued by the society. Entries at these flower shows are open alike to commercial and amateur growers. Intending exhibitors should address A. W. McIntosh, Box 431.

Dracena Terminalis.

AN INDISPENSABLE PLANT.

Although according to botanical usage the fine plant named above belongs to cordylina, it is so universally known as *Dracena terminalis* that it is less confusing to the ordinary grower or plantsman to keep it under this name. It is one of the finest foliage plants in existence, easily grown, clean and a popular seller in all the principal markets. *D. terminalis* is usually raised from seed where a quantity is needed, but may just as easily be propagated by cutting up the stems or by notching them and laying them entire in flats or beds of moss. If there are old plants that have become lanky and naked below the top may be cut off and rooted in a bottle of water or on a propagating bench, the stems being then cut up in lengths of about two inches and stood on end in sand kept always moist over a brisk bottom heat when every one will strike. Some growers moss the tops on the plant and root them this way. It is an excellent plan for the top, but very often when this is done the lower part of the stem gets so hardened that the eyes do not break freely and many of them decay in the bench.

If the top is taken off, the stem will shoot out if left in the pot and these side shoots may be taken off later and rooted. Still, the best way of all is to raise plants from seed annually and always have plenty of them coming along in various sizes. Seed sown in March in a temperature of 70° or thereabout will produce nice plants that can be planted out on a bench, or, in the warmer parts of the country, outside, and will rapidly grow into stock fit for 4-inch or 5-inch pots. It does not need great heat, but a good light is absolutely essential to bring out the fine color of the foliage. Good fibry loam with a sprinkling of sharp sand and a small quantity of well dried cow manure makes suitable compost and this must be very firmly placed. The atmosphere should be kept moist at all times and a gentle spraying several times daily during the growing season will be in order. There are few plants that are useful in so many ways from the smallest up to well leaved specimens from three to five feet high and it is one of the most satisfactory plants for selling to customers who wish to keep it in their homes, owing to its long lasting qualities.

G.

There Are Scales and Scales.

Miss Louise Klein Miller, curator of school gardening, Cleveland, O., had been telling a crowd of pupils about the different insects that attack plants, and warned them especially against the malevolent San Jose scale. She suggested that they go to the school library and get a book about it and read of its habits and the remedy for checking its career. One young woman went to the librarian the next morning and said she wanted something about the San Jose scale. "Go to the music department," said the librarian without even looking up from her desk.

ORCHID NOTES.

THE hybrids between brassavola and cattleya (Brasso-Cattleya) are now quite a numerous set and extremely beautiful.

It is not good policy to let small seedling ferns that appear on orchid composts to grow, as they are apt to attract thrips and other insects.

CATLEYA BOWRINGEANA is now at rest and may be kept so as long as possible, but when growing it likes a lighter and warmer position than most other cattleyas.

CATLEYA CITRINA grows best in what appears to be an inverted position, that is with the head downwards, and always reverts to this, no matter how planted.

CHARLES BOND, for some years identified with the famous Wilson collection of orchids in Philadelphia, will embark in the commercial growing of these plants in the vicinity of Chicago. Mr. Bond has had wide experience in the cultivation of orchids and we wish him every success in his new departure. Geo. Hunt, of the Julius Roehrs Co.'s orchid department, will succeed him at Philadelphia.

The Cattleya Fly.

The cattleya fly is especially liable to be troublesome where there are newly imported plants. It is a pest that is introduced on these and does not thrive very long in the orchid house, though while there it does more than its share of mischief. The means usually taken to rid the plants of the pest are fumigating regularly to kill the female insects that are flying around in the house and removing the buds in which the larvæ of the fly are growing. It is well when fumigating to have the atmosphere dry and warm, as this brings the flies out from their hiding places and they are then directly exposed to the deadly fumes.

As to the buds, growers of experience can easily tell which are attacked by the fly, which lays its eggs

in the soft tissue of the forming bud long before their effect can be seen. An injured bud often appears very much stronger than a healthy one, and inexperienced growers are apt to be patting themselves on the back to think what fine growths they are getting. But the swelling is altogether abnormal and is all at the bottom, the upper part being small and pointed, the whole thing being almost bottle shaped. As soon as these are seen they should be broken off and burned. If they are cut open the larvæ of the fly can be seen burrowing among the tissues and feeding as they go, preparing to issue later on as full-grown flies and carry on the perpetuation of their kind.

In the Cattleya House.

The grower of cattleyas always appreciates a few dull days as it gives more time for cleaning, repotting and rearrangement, less being needed for damping, watering, shading, ventilating and other routine work. With the improvements in fumigating materials and insecticides there is not so much need of cleaning individual plants as formerly, but there are always newly imported or recently purchased plants that have to be looked over for insects of all kinds from the troublesome cattleya fly to the small soft scale that secretes itself under the sheaths at the bases of the pseudobulbs, where it is impossible to reach it by any other methods than hand cleaning. There are many forms of insecticide on the market that, used according to the maker's directions, are superior to the old style soap and tobacco or nicotine solutions, though this latter is excellent if properly made and used.

For a solution for spraying and cleaning a piece of soft soap as large as an egg will make about six gallons and a tablespoonful of liquid nicotine of about 40 per cent grade should be added. But before the plants are sponged they should be dipped in a weaker solution and laid on their sides so that the solution will not run down into the compost.

Where the insects can be got at easily, the sponge, kept wet, is all that is needed to get rid of them, but there are places between the bulbs and in the corrugations of the stems where the sponge will not reach, and here a small pointed stick like a toothpick may be used to dislodge it, afterwards sponging over the place. All loose sheaths likely to have scale underneath may be removed, but avoid skinning the bulbs too much, and in using sponge or brush see that either is kept wet and used lightly not rubbed hard or the leaf surface will be injured.

At this time there is a general waking up of the plants. Even those that do not show signs of it in new growth are forming their spikes in the sheaths. *C. Mendelii*, for instance, will not probably be showing new growth, but the flowers will be forming in the sheath and a certain amount of moisture will be needed. If the plants are kept overdry at this time the result will show in shriveled bulbs and both flowers and new growth will be weaker than if kept a little moist. Too much moisture, on the other hand, is equally injurious to the roots and these fail to carry the requisite nourishment to the plants. A safe plan with such plants is to give them a thorough soaking and then allow them to get well on the dry side before giving any more. A few days' drying never yet hurt a strong, healthy orchid, but a constantly wet state is bad for any plants, no matter how vigorous they may be. *C. Schroderae* is in flower and, like *C. Trianae*, will make its growth afterwards and rest in sheath. Just now give only sufficient water to maintain the bulbs in a plump condition and avoid too much atmospheric moisture. It is a good plan to remove the flowering plants to a drier house than the growing quarters.

C. Mossiæ, on the other hand, is practically at rest now. It makes its growth late in the season after flowering and rests until just before flowering again. Here very little water is needed. *G. Gaskelliana* is beginning to grow and will need more moisture



FIRST ANNUAL BANQUET OF THE PACIFIC COAST HORTICULTURAL SOCIETY AT SAN FRANCISCO.—See Page 299.

and the long-stemmed, two-leaved kinds such as *C. Harrisonæ*, *C. Leopoldi* and even *C. Bowringiana*, must be watched and, as soon as new roots are seen starting from the old pseudobulbs, the water supply must be gradually increased. This close watching of the plants and treating them individually rather than collectively is an important part of the orchid grower's work. A man who treats all alike indiscriminately and does not study their habits of growth and their condition as to growth and rest will never go very far as an orchid grower.

Independent of watering, there are other points that need consideration. Certain plants do better close up to the light, while others are not so particular. For instance, those beautiful cattleyas, *C. aurea* and *C. gigas* and the natural hybrids between them, never flower so freely as when they have their heads within a few inches of the glass horizon. The brightly tinted *C. superba* will not thrive long potted in peat and moss and grown alongside the labiate forms, but put it in the warmest, moistest house and let the sun shine on it at practically all times and don't overload the roots with compost and there will be magnificent growths and a display of beautiful flowers showy and handsome enough to stir even the least ambitious of orchid growers to enthusiasm.

Calanthes.

The flowers of the varieties of *Calanthe Veitchi* and *C. vestita* are very bright and showy in late fall and winter, and they are among the best of the orchids for cutting at that time. *C. Veitchi* has flowers of a pretty rose pink. Those of *C. vestita* are white with eye-like blotches of color, yellow in *Luteo-oculata*, red in *Rubra-oculata*, and there are sub-varieties of each more or less distinct. There is no need of a special orchid house to grow these pretty plants; they do well in any warm greenhouse in company with the ordinary greenhouse or stove plants. They take up little room in comparison with the amount of flowers produced, and are easy to grow. For cultural purposes they may be grouped together, for though the hybrid *C. Veitchi* is a little stronger in growth than *C. vestita* they get along well together. The growing season of these *calanthes* begins in spring, and the bulbs should be potted early, but not watered until some signs of growth appear. The base of the bulbs should be just buried, a little of the old root being left on to steady them in position. After potting they should be stood on a shelf or a light bench and left alone until the growth is an inch or so long and beginning to root. The best compost for these plants is quite different to that used for the majority of orchids. The roots are of such a nature that they have the power to push through a soil that would be quite too heavy and rich for the epiphytal kinds. Good fibry loam with a liberal mixture of well dried cow manure and a good sprinkling of finely broken crocks and charcoal or coarse sand will meet their case, and this must be finished an inch or so below the pots, not mounded up as for orchids generally. One soaking of water to

settle the soil about the bulbs may do no harm, though it is not actually necessary.

When the growth is in the condition above mentioned, begin to water and increase the supply by degrees, as the foliage develops. In summer, when the growth is most active, a very free supply is needed, and this must be kept up until the flower spikes appear and the leaves begin to lose color. Then much less will be needed, as an excess of water causes the flowers to be thin and poor in color. The flowers over, the plants must again be dried off, but although quite dormant and dry during winter the bulbs must not be exposed to a low temperature, 55° being a good minimum. If the room is wanted they may be turned out of their pots and kept on a dry shelf away from the heating pipes. The growth is often attacked by a soft brown scale, and this must be got after and kept under if the best results are looked for. A moist and buoyant atmosphere and plenty of sunlight as long as the foliage will stand it are the conditions for the growing season, the night temperature being kept at 60°-63°, the dry running up well with sun heat.



CATTELEYA SCHROEDERÆ.

Dr. Britton Leaves for Havana.

On February 17 there left New York for Havana, on the Ward liner, Morro Castle, a small exploring expedition, whose work is likely to accomplish results interesting not only to New York, but to the scientific world at large. Dr. N. L. Britton, director in chief of the New York Botanical Garden, is at the head of it, and he is accompanied by Mrs. Britton, who spent her childhood in Cuba, and by Percy Williams, one of his assistants, who has paid several visits to the island. They will be joined at Cienfuegos by Prof. F. S. Earle, the scientific expert of several sugar companies.

The destination of the party is southern Cuba, and the nature of the exploration will be botanical. The party will devote its efforts mainly to the province of Santa Clara, where the Trinidad mountains, near the south coast, offer an almost unknown field to the botanist. Prof. Earle has arranged for men, horses and equipment, and a base will probably be established well up in the mountains. Tents have been taken along, for Dr. Britton expects to live in the open much of the time and will remain in Cuba at least until the end of March.

THE CARNATION.

Carnations Unsatisfactory.

ED. AMERICAN FLORIST:—

We have been growing carnations for the past four years and find that every year they are a little weaker and make grassy growth. We keep them in a temperature from 50° to 55°, at night, day temperature 65° to 70°. We use very heavy soil with one-third cow manure and with our greatest care could not get them as strong as we like to. We keep a little air on at night, except in severe cold weather, and keep them watered well.

A. G.

Probably the chief cause of the plants being weak and making a grassy growth is the temperature which they are being subjected to. To be able to carry carnation plants through the whole season in perfect health, producing a continuous crop of blooms the night temperature should be held as close as possible to 50°-52° and during very severe weather, when heavy firing is necessary, 48° is even better. But to allow the temperature to run to 55° cannot fail to cause the plants to lose their vitality—65° to 70° during the day is too high under artificial conditions. When the sun is shining brightly and plenty of air is on the house it is right for the temperature of the house to run up to this degree, but it is all wrong to treat carnations to this high temperature by the artificial means of firing and a close atmosphere. During cloudy or any other weather when it is necessary to continually fire to keep up the temperature the house should not be allowed to run above 60°, and then should have a little air on.

C. W. JOHNSON.

Ripening Carnation Seed.

ED. AMERICAN FLORIST:—

How long does it take for seed pods of carnations to ripen? How long should they be dried, and what care is needed after planting? The carnations were pollenized from January 29 to February 6. Any information on this subject will be greatly appreciated.

A. G.

The carnation seed from flowers pollenized between the dates mentioned should be ready for sowing about March 15. At that time the seed pod will take on a ripe appearance and the upper part of the pod commence to split apart; the seed is then ready to gather. It should be held for a couple of days before sowing so that it will thoroughly dry. The best way is to sow the seed from each cross in separate shallow pans, watering well at sowing time, then setting in a temperature of 56°-60°. Do not cover the seed any deeper than the depth of the seeds, enough only to form a covering and protect them. It takes but a very short while for the seeds to come up, when they should be transplanted as soon as large enough to handle, repeating the same in potting the young seedlings into pots. The soil for these young seedlings should be light and active with a little fresh sand added.

C. W. JOHNSON.

Carnations After Grass.

ED. AMERICAN FLORIST:—

For a number of years we had carnation plants in a piece of ground; last year we sowed it with grass. Do you think we can safely plant it with carnation plants again this year?

L. D.

We would not use the ground this year for planting carnations in if it can be avoided but would advise leaving the ground until fall, then skin off the sod and stack it up in a pile as compost for inside planting another season. Then plough up the plot of land and let it lay fallow until needed for planting the following spring.

C. W. JOHNSON.

Carnations in the East.

At this season the young plants demand much attention, not only those that have recently been potted, but also those from the earlier crop of cuttings. In the case of the newly rooted plants, that is, those fresh from the propagating house, it will be found that the sun is much more likely to affect them for the first three or four days after potting, than was the fact with those potted off in December and January. The early pottings may not have needed any shading, but those potted at this date will surely need covering with paper for part of the day, except during a period of dull weather, and may also require to be sprayed two or three times a day until they begin to take hold of the soil.

promise of a satisfactory plant in the field. The earlier lots of young plants will have been transferred from pots to benches before this time, this operation having been performed before the plants become too much pot-bound. Spacing the young plants about 3x3 inches is about as close as they can conveniently be planted on the benches, and even this does not give space to stir the surface of the soil after they are planted, besides requiring care in cutting them out in readiness for planting in the field, for in general terms it may be said that the better ball they are planted out with in the the spring, the sooner they will start to grow and the better they will lift in summer. Spraying with nicotine or fumgating, or both, will be required from time to time in order to prevent the attacks of thrips and aphids, for all those insect punctures count in the ultimate health of the plants.

Watering also takes up more time as the sun grows stronger, but in a heavy soil may easily be overdone, for a young carnation will stand reasonable drought much better than over-watering, and after planting from pots to benches may not need a thorough watering more than once in a week or 10 days. But it has often been said that no regular rules may safely be laid down for watering, from the fact that soils differ so greatly in texture and consistency that the same rules may not apply even in neighboring towns. For example, in some portions of the western end of Long Island,



VASE OF CARNATION WINSOR.

It is a waste of time to try to harden off the young plants by exposure to the sun and air before they have become established in their new quarters and, for the first two weeks, they should have a night temperature similar to that of the propagating house from which they were brought, namely, about 50°. But, once they are rooting nicely in the pots, ventilation should be much more free and the night temperature should be dropped to about 45°, thus insuring a stocky and short-jointed growth that gives

where the soil is open and sandy, carnations may take a good watering every second day in bright weather, while in other localities where a heavy soil prevails it may only be necessary to give a good watering once a week, and to touch up an occasional dry spot between times. The flowering stock moves along rapidly as the sun grows stronger, and the combination of fire heat, a mass of roots, and sunshine together disposes of the moisture in the soil quite rapidly, and calls for careful attention on the part

of the man in charge. Colonies of red spider are very likely to appear, and soon sap the vitality of the plants and ruin the flowers unless they are stirred up with a strong spray from the hose.

But spraying does not benefit the flowers, being liable to make them sleepy, and it is best to keep the water off them as much as possible. All syringing should be done as early as possible in the day after the flowers have been cut, so that the plants have a chance to dry off before night. The earlier the flowers are cut the better, for the strong sunshine is liable to make them soft, and that means that they will take some time to recover after they are placed in water, and to that extent will retard their development. Of course, practically every grower knows that all flowers are benefited by being kept in water for several hours before they are offered for sale, for the flowers fill out and develop by this process, and the improvement will continue for 24 hours at least, at this season of the year. The peculiarities of different varieties in regard to opening their flowers make quite an interesting and important study to the grower from the fact that some varieties are better cut rather tight, while others require several more days in which to develop, and without observing these peculiarities one cannot get the best results. The plants that have been producing flowers and cuttings all season should have a good root system by this time, and will be benefited by some extra feeding, the character of the soil, and the condition of the plants determining the kind and quantity of fertilizer that shall be given. Some growers use liquid manure quite freely, and where the conveniences for that practice exist it is doubtless a cheap and effective method, but to do this work properly requires a large tank and pumping system, and not every cut-flower grower has these appliances. Liquid manure is readily taken up by the plants on account of the fertilizer being in solution, whereas a top dressing of fertilizing material has to be dissolved and washed in by watering, and naturally takes a little longer in giving results, though when the right material for that particular soil is applied the benefit may be more lasting than that received from stable manure in liquid form.

W. H. TAPLIN.

Carnations in the South.

The spring growth on the plants is well under way, but as much attention as ever is needed in detail work. If necessary run an extra wire and keep the plants upright and the stems straight. It is during a glut of flowers that a little extra attention will pay. Nice flowers with clean straight stems will always command top prices. Keep on disbudding right up to the time for throwing the plants out. I have known some growers who have left this undone until the flowers were picked and then wonder why the price was not better. A light shading on the glass will be a great benefit to the colored varieties, aiding them to retain their color and size. In a short while the whites can have a little shade also, increasing the density as the weather gets warmer. Syringe fre-

quently for red spider and fumigate for aphids.

Ventilate freely through the day and at night when possible, even if a little fire has to be kept to maintain the proper temperature. Keep the beds as cool as possible by mulching with old rotted manure and water weekly with manure water. Rush

plants. It is impossible to reach the insect with any kind of insecticide or fumigator that is not strong enough, at the same time, to injure the foliage, consequently combative methods must be on the preventive order rather than the cure. There is no hope for plants so badly affected as those "R." sends and the best thing to do is to strip



VASE OF CARNATION HARVARD.

in a late batch of cuttings for use in case of an emergency. Young plants established in pots should now be in the coolest house, or, better still, in a cold frame, where they will get hardened up for the planting out process. Those showing strong growth must be topped, using a sharp knife and cutting back to three or four eyes. It is a good plan when the young plants become badly pot-bound to plant them in shallow boxes rather thickly, using a good compost to fill up the spaces. They transplant easily to the field from such flats and go to work without a check. If any are intended for cultivation under glass they should be shifted into 4-inch pots and kept moving. A cold frame is the best place for them.

WM. LEAR.

The Leaf Borer.

ED. AMERICAN FLORIST:—

I am enclosing you leaves of Queen Alexandria daisy that are affected with a small worm that gets inside the leaves and eats the center part out. It has caused a lot of trouble around this section, many growers having to burn their stock. We have used lead arsenate, nicotine and other remedies to no purpose. Please tell us what the insect is and what to do.

Worcester, Mass.

R.

The insect is the common leaf borer a most troublesome pest to growers of marguerites and also attacking cinerarias and other soft wooded

off every affected leaf, cut the plants back and try to keep the resulting shoots clean. A means to this end is spraying regularly with nicotine preparations and Bordeaux mixture in turn. This will make the leaves distasteful to the insects and to some extent prevent their attacks. If fresh clean stock can be obtained it would be well to do so though there is always the danger that many of the adult flies are left in the house and will attack any new plants that are brought in. Fumigating regularly with the strongest fumigant that is safe for the plants grown in the house is the best means of destroying these. But it is useless looking for a remedy that will be of any assistance after the leaf has been entered or, correctly, after the eggs have been laid in the leaf tissues by the female fly. Crushing the insects on sight, of course, helps some, but nothing but constant attention along the lines laid down above will be at all likely to prove successful in getting rid of this pest.

G.

Propagating Geraniums.

ED. AMERICAN FLORIST:—

Is it too late to take geranium cuttings for 4-inch pots for about May 15?

N. S.

It is not too late to strike geranium cuttings, but they will not be strong enough for 4-inch pots by the date mentioned.

G.

WITH THE GROWERS

J. A. Budlong, Chicago.

All the stock at the J. A. Budlong greenhouses at Bowmansville, Chicago, is in fine condition now, but the palm for showiness and beauty must certainly be awarded the carnations. Not many varieties are grown but each is given the correct temperature and treatment necessary to bring out its good points and a run through the houses with Mr. Budlong's capable grower was most interesting and instructive. Lawson in so many places is showing such poor form and getting such a bad name that it was refreshing to see bench after bench of it in its true form, magnificent plants covered with a great crop of flowers of the finest possible color and quality. When Lawson can be grown this way there is certainly no need to look for anything else in its color. It is given more heat here than the Enchantress and other varieties, being run at 56° at night, while possibly the light, sandy soil here may also have something to do with its successful culture. Winsor is treated somewhat similarly, these two being at the warmest end of the house, Victory, Enchantress, White Perfection and others being grown at the coolest end. All are in the pink of condition and the crop of flowers now on is remarkably good. The following are the principal varieties grown with the number of each, other varieties being grown in smaller numbers:

CARNATIONS.

| | |
|------------------------|--------|
| White Perfection | 21,000 |
| Enchantress | 10,000 |
| Lawson | 6,500 |
| Winsor | 6,500 |
| Aristocrat | 6,500 |
| Victory | 6,500 |
| O. P. Bassett..... | 3,250 |

Just now the young stock is looking particularly well, thousands of all the varieties having been propagated and in the various stages of development. Quite a large stock was in 3½-inch pots and inquiries on this point led to the information that they are grown this way on account of the light, sandy soil in the field. Lifted from benches and planted in the field the plants do not make good balls at lifting time, all the soil falling off and leaving the roots bare. From the 3½-inch pots, on the other hand, they

transplant readily to the field and lift at planting time with this ball of roots practically intact. Naturally such plants establish themselves much more rapidly than others that have no soil around the roots and it is this watching of such points all through the growing season that leads to such excellent results here.

In the rose sections the same high cultural conditions are maintained. Up to this year a good portion of the stock has been grafted but, in future, own-root stock will be used, excepting in the case of Mrs. Marshall Field, which will not thrive on its own roots. A very striking proof of this can now be seen in the greenhouses here. As a test a portion of a bench was planted to own-root stock for comparison with the grafted plants used as the bulk of the planting. The former, though set out at the same time, have never made any headway and are little scrubby stock where they are alive at all, many having died. The grafted stock, on the other hand, is superb, fine, healthy plants, started early in February and advancing rapidly for summer flowering. This variety and Kaiserin are treated similarly, kept almost dormant during winter and started up early in the year.

My Maryland is described here as the best money maker in the business. But it has to be kept going in winter. Here it is run at 65° at night and this keeps the plants constantly growing and flowering right along. There is no doubt that practically all the dissatisfaction with this rose has arisen from the fact of its being kept too cool in winter. This checks the progress of the plants and consequently the flowering. They have such confidence in it here that just three times as many plants as have been grown will be planted this season. Mrs. Jardine is also highly thought of here. It is a grand grower and seller and flowers with great freedom all the year around. In summer it has to be cut a little tight or it flies open, but in winter it is a perfect rose. Another peculiarity is the sensitiveness of the foliage to sun heat. It burns quite a little in summer unless a light shade is given, especially after a dull period. All the other teas are in great shape, the Brides and Bridesmaids throwing elegant flowers and making a splendid growth. The Beauties are

not in full crop now but, judging by appearances, will be fine for Easter, when there will be a big crop. The following are the principal varieties grown:

ROSES.

| | |
|--------------------------|--------|
| Bride | 18,000 |
| White Killarney | 12,000 |
| Richmond | 11,000 |
| American Beauty | 10,000 |
| Bridesmaid | 9,000 |
| Killarney | 9,000 |
| Mrs. Marshall Field..... | 7,000 |
| Mrs. Jardine | 6,500 |
| My Maryland | 6,000 |
| Kaiserin | 6,000 |

The young stock of all these varieties is very forward and in the best of health and condition. Chrysanthemum propagation is going on merrily, a big batch of all the principal varieties having been already potted. These will be topped and the tops inserted as cuttings. The mechanical end of the business is very complete here. Eight 80 h. p. boilers supply the necessary steam power, these being arranged four on each side of a central chimney. Pumps for water, manure water and the return of condensation to the boilers are all run in duplicate so that if one set breaks down another can be started up to take its place. The liquid manure plant consists of a large tank in which the manure is steeped, being then run through a revolving sieve run by a water motor to remove all solid matter. This can be forced at any pressure desired through the clear water system by first emptying the latter of the water and turning in the manure. The whole is one of the finest equipped and most up-to-date plants around the city and well worth a visit by anyone interested.

The Trade of Denver.

The illustration accompanying this note will serve to show the importance of the present day flower trade in this city, the home town of President Valentine, and of many other good florists. The Park Floral Co., over which Mr. Valentine also presides, is the largest concern west of Kansas City, while Elitch's Gardens is also a remarkably fine place. This firm is comparatively new. Mr. Long, of the Elitch-Long Gardens, started in the first place so he could grow his own plants for the gardens, but finally commenced to grow roses and carnations



GREENHOUSES OF THE PARK FLORAL CO., DENVER, COLO.

In the Foreground is Plant B. Lately Purchased From The Colfax Floral Co; In the Background Plant A the Original Plant of The Park Floral Co. The Trees in the Distance Mark the Boundary of City Park.

until he has a very large plant and is growing them on an extensive scale. I believe his plant is second to the Park Floral Co. here, and both are first class growers in every way. Mr. Long also controls what used to be the Park Floral Co.'s stand at Sixteenth and Champs streets; then, when this firm moved, the Scott Floral Co. took hold of it. Mr. Long now controls that corner.

One of the greatest attractions to Ellitch's Gardens is the floating garden and moving fountain. This never fails to draw and hold visitors to the greenhouses. The rose houses, notwithstanding the difficulties of the situation in regard to the alkali in the soil, are in good shape, and very fair stock is grown. Carnations also are well done, and the whole of the large new plant is kept in first rate order.

CHRYSANTHEMUMS

Chrysanthemum Naomah.

Naomah is a large Japanese incurved variety, a seedling from Merza, more conical in form than its parent, that has been exhibited by Elmer D. Smith & Co., Adrian, Mich., under number 42-4-08. This variety was not judged by the Chrysanthemum Society of America committee, but E. D. Smith & Co. have decided to send it out on its merits as a worthy addition to the exhibition section. If the stem were a little more rigid this would be an ideal commercial sort, as it possesses every other qualification and may prove very acceptable to those who plant early and give generous treatment. It is pure white, $4\frac{1}{2}$ feet high and is ready November 1. The bud should be taken about August 25.

Propagating.

The leading feature of the chrysanthemum work at this time is propagating and working up the stock for the coming season's plantings. The early varieties, the slower growing midseason commercial kinds and those intended for staging in large bunches at the exhibitions are they that should receive attention now. Polly Rose, Robt. Halliday, Golden Glow, Monrovia, Virginia Pohlmann and October Frost are early varieties that should be got into the sand at once. Pink and White Ivory, Miss Alice Byron, Nellie Pockett, Cheltoni, Mrs. Wm. Duckham, Mlle. Clementine Touse, A. J. Balfour, Mrs. H. W. Buckbee, Timothy Eaton, Yellow Eaton and Major Bonnafton are medium early to early midseason varieties that should be got in the sand by March 15. Col. D. Appleton, Golden Wedding, Golden Eagle, Maud Dean, Mayor Weaver, W. A. Chadwick, Yellow Chadwick, Dr. Enguehard and all varieties that are rapid growers and mature their blooms from November 5 to Thanksgiving can be started March 15 to April 1. This will allow for them to be ready for potting April 15-20. It is yet too early for propagating Mlle. Jeanne Nonin, Yanoma and other very late kinds. These can be started around April 1, but the stock plants should be attended to and kept in active growth by being given plenty of light and air.



NEW PURE WHITE CHRYSANTHEMUM NAOMAH.

Grown and Exhibited by Elmer D. Smith & Co., Adrian, Mich.

The cuttings of the exhibition varieties now in the sand should be potted as soon as they have made roots enough. There is nothing gained by leaving them in the propagating bed after the roots are formed; it only tends to weaken the cutting. The novelties and newer varieties are coming to hand now and they should be given extra care to give them a chance to make good. It is poor policy to pot them and then let them take care of themselves in some out of the way corner because they are few in numbers and on trial. Young chrysanthemum plants received after March 1 are not fit subjects to increase the stock from. A cutting or two can be got from each plant perhaps, but the main plant has been so weakened as to be practically useless for producing a high grade bloom, and the cuttings taken from it are thrown back so many weeks later so that they have not an equal show with the man who is working with February or early March struck stock.

After the cuttings are taken from the sand they should be potted into

$2\frac{1}{4}$ -inch pots, using a plain, fresh soil. It is a mistake to use manure in the soil in quantity enough to cause a soft rapid growth while in the young state, it having a tendency to produce long pointed shoots. After potting, for a few days, the young plants should be treated to a little warmer temperature to start root growth in the new soil. As soon as they have taken hold, give them a cool even temperature to insure a short stocky growth. Plenty of ventilation should be given them on every favorable occasion, never allowing them to suffer for lack of water. At this season of the year plants in small pots dry out very quickly, consequently they need continual watching. The very early propagated plants for exhibition purposes should be worked along as quickly as needed. Whenever the roots show through the soil, potting into a larger size should be attended to at once. Allowing them to get root bound quickly causes the wood to harden and delays active root action after being potted again.

C. W. JOHNSON.

To Be Done Now.

IN THE GREENHOUSES.

Prick off all seedling annuals and perennials before they draw up lanky in the seed flats. Just as they show the rough leaf between the seed leaves is the proper time for most things.

Keep the flats containing the young cyclamens well up to the light on shelves, but see that they do not suffer for want of water.

Continue to root cuttings of alternantheras, iresines and other bedding stock as fast as possible. They will probably be all needed at the end of May.

Avoid overwatering geraniums after repotting and remove any decaying foliage on sight.

Plant a few dahlias on the greenhouse benches to provide flowers for Decoration day.

Leave *Tagetes pumila* to be among the last of the annuals to be sown, as this is very tender, the least frost killing it, while it is not advisable to have the plants stunted before planting out.

Thick sowing is one of the worst mistakes possible under glass, as it gives the plants a poor start.

Caladiums, fancy leaved callas, gloxinias and achimenes may all be started now.

Sow seeds of *Ardisia crenulata* in a moderately warm, light house.

Plenty of light and air are absolutely necessary to success with early tomato plants.

Avoid fumigating in the house where herbaceous spiraeas (*astilbes*) are being forced, as the growth at first is very tender and easily damaged by smoke.

A slight frost even does not do so much harm to flowering violets as a close, heated, moist atmosphere.

Cold water as an insecticide is not valued at its true worth by most growers.

Ventilate early in the morning, even if only a very small chink of air can be allowed. It is necessary to change the air in the houses as much as possible.

OUTDOORS.

In southern locations commence the planting of herbaceous stock as soon as possible.

After a prolonged siege of frost, herbaceous stock in frames is very apt to be dried out pretty severely. Look over it on bright days and water when needed.

Prepare manure for hotbeds and get the sash repaired and reglazed if not already done.

When the weather becomes mild, head back young, newly planted trees, also partly head back any old specimens that are to be regrafted.

Lift rhubarb for forcing, but leave those that are to be transplanted a little longer until growth starts.

OBITUARY.

James J. H. Gregory.

James J. H. Gregory, the veteran seedsman and founder of the firm of Jas. J. H. Gregory & Son, Marblehead, Mass., died February 20 at the age of 83. Mr. Gregory was born at Marblehead, November 7, 1828, and was educated in the public schools of his native town. At first a teacher in the public schools he entered the seed business almost by accident. A man wrote to the New England Farmer for a good winter squash and his father happened to have one he called Marm Hubbard's squash, as they had got the seed from an old lady of that name. Mr. Gregory sent him some seed and he liked it so well that he wrote about it in the papers and thus started the history of the Hubbard squash and the Gregory seed business. At first the latter was conducted at his home, then he took a small building and later, in 1863, he built his first store, which was enlarged from time to time until it evolved into the great business which will keep his memory green.

His charitable gifts were many and in 1873 he established a bread station in Marblehead, giving away daily many loaves during that period of depression. In 1907 he retired from the active head of the business and since then he has devoted himself to private concerns and characters. Gifts innumerable to schools, to scholars, colleges, churches and other institutions showed the great interest he has always taken in educational matters and he was always instrumental in forwarding the best interests of horticulture quite outside his own business. At one time he had 400 acres of land at Middleton entirely devoted to raising vegetable seeds for market gardeners, improving the strains then at command and raising new forms. He was always extremely active in mind and body, delving into science, wielding the axe and hoe and writing voluminously on all subjects pertaining to horticulture. Mr. Gregory married three times, first Eliza C. Bubier, second Mrs. Harriet R. Knight and third Sarah Lydia Caswell, the latter surviving him. He had no children of his own but adopted four, one of whom, Edgar Gregory, succeeds him in the business.

George W. Schroyer.

George W. Schroyer, pioneer florist of Lancaster, Pa., died at his home, 641 Harrisburg avenue, February 22. His death removes one of the most interesting personalities from the business as Mr. Schroyer was in his ninety-second year and a man with a good

memory so that his accounts of the oldtime life and customs were listened to and looked forward to by many friends of a younger generation. When in a reminiscent mood the old man was certainly congenial company for anyone with an interest in earlier days for his recollections were not of the wandering order so frequent in old men but clear and convincing. Up to the last he took a keen interest in public affairs and studied them closely. It was his habit of close study and application that made him the successful horticulturist that he was.

He did not enter the florist business early in life, his trade being that of a printer which he left in 1862 on account of his health. It speaks well for the florist business, as a healthy one when it is noted that Mr. Schroyer's friends thought he had only a short time to live then. The open air, after the confinement of the printing business, and the renewed interest in life which the work brought him, however enabled him to round out almost another half century, his wonderful constitution standing him in good stead during several illnesses late in life. One of the things he was most proud of was the fact that he set up the original charter of the Pennsylvania Railroad Co. in 1836, and, in recognition of this connection with this great corporation in its infancy he was invited to the celebration of its fiftieth anniversary in 1886 at Philadelphia. He was a native of Lewisburg, Pa., where he was born in 1818, a son of Colonel Christian Schrover. In 1845 he married Miss Annie E. Thompson, who died some 20 years ago and by whom he had one son who survives him.

Maurice Butterfield.

Maurice Butterfield, 64 years old, pioneer nurseryman of Lee's Summit, Mo., and widely known among horticulturists of the United States, died at Winona, Tex., February 22, from Bright's disease. Mr. Butterfield came to Lee's Summit from Ohio in 1868 and started the Lee's Summit Star nurseries, which he conducted to the time of his death. In 1900 the Missouri & Pacific-Iron Mountain Railway system and the city of Farmington, Mo., made concessions to Mr. Butterfield and induced him to go there and open the Farmington nurseries and greenhouses. Mr. Butterfield was a benefactor and one of the organizers of the Missouri State Horticultural Society, and also of the Jackson county fair at Lee's Summit, Mo. Recently he went to Texas on a visit to his son in hope that he might benefit his health. He is survived by his wife and eight children, five sons and three daughters.

NATIONAL FLOWER SHOW

To Be Held in Boston, Mass., March, 1911. Preliminary Premium List.

| Miscellaneous Flowering Plants. | | 1st | 2nd | 3rd | | 1st | 2nd | 3rd |
|--|---------|-------|-----|-----|--|-------|-------|---------|
| Acacias—18 plants, not less than 4 varieties | \$60.00 | 2nd | 3rd | | Azalea Indica—6 plants, not less than 3 varieties | 25.00 | 15.00 | \$10.00 |
| 6 plants, not less than 3 varieties | 30.00 | 20.00 | | | Azalea Indica—3 plants, not less than 3 varieties | 15.00 | 10.00 | 5.00 |
| 3 plants, one or more varieties | 20.00 | 15.00 | | | Azalea Indica—Specimen plant, pink or rose | 15.00 | 10.00 | 5.00 |
| Acacia pubescens—Specimen plant | 25.00 | 15.00 | | | Azalea Indica—Specimen plant, white | 15.00 | 10.00 | 5.00 |
| Acacia paradoxa—Specimen plant | 15.00 | 10.00 | | | Azalea Indica—Specimen plant, any other color | 15.00 | 10.00 | 5.00 |
| Acacia—Any other species or variety, specimen | 15.00 | 10.00 | | | Azalea Mollis—12 plants, not less than 4 colors | 25.00 | 15.00 | |
| Allamanda—Specimen plant, any variety | 15.00 | 10.00 | | | Azalea pontica or rustica—12 plants, not less than 4 varieties | 25.00 | 15.00 | |
| Amaryllis—36 plants, not less than 18 varieties | 35.00 | 25.00 | | | Begonia Gloire de Lorraine—6 plants | 15.00 | 10.00 | |
| Amaryllis—12 plants, not less than 9 varieties | 15.00 | 10.00 | | | Begonias, Flowering—6 plants, 6 varieties | 15.00 | 10.00 | |
| Anthurium—6 plants, not less than 3 varieties | 25.00 | 15.00 | | | Boronia—6 plants, not less than 2 varieties | 15.00 | 10.00 | |
| Anthurium—Specimen plant | 10.00 | 5.00 | | | Bougainvillea—6 plants | 25.00 | 15.00 | |
| Antirrhinum—12 plants in variety | 10.00 | 5.00 | | | Specimen plant | 15.00 | 10.00 | 5.00 |
| Azalea Indica—24 plants, not less than 6 varieties | 75.00 | 50.00 | | | Calceolaria, shrubby—6 plants | 15.00 | 10.00 | |
| Azalea Indica—12 plants, not less than 6 varieties | 50.00 | 30.00 | | | Calceolaria, hybrid—6 plants | 15.00 | 10.00 | |

| | 1st | 2nd | 3rd | | 1st | 2nd | 3rd |
|--|----------|---------|---------|---|----------|----------|---------|
| Camellia—12 plants, not less than 6 var.... | 35.00 | 25.00 | | Dendrobium nobile—Specimen plant..... | 10.00 | 5.00 | |
| 6 plants, not less than 3 var.... | 25.00 | 15.00 | 10.00 | Dendrobium Wardianum—Specimen plant.. | 10.00 | 5.00 | |
| Specimen plant | 25.00 | 15.00 | 10.00 | Dendrobium—Specimen plant, any other | 10.00 | 5.00 | |
| Carnations—12 plants in pots..... | 15.00 | 10.00 | | variety | | | |
| Cineraria hybrida—6 plants..... | 15.00 | 10.00 | 5.00 | Hybrid Orchid—Specimen plant raised in | | | |
| Cineraria stellata—6 plants..... | 15.00 | 10.00 | 5.00 | this country | 15.00 | 10.00 | |
| Clerodendron—Specimen plant | 15.00 | 10.00 | 5.00 | Laelia anceps—Specimen plant..... | 10.00 | 5.00 | |
| Crassula Coccinea—3 plants..... | 15.00 | 10.00 | | Laelia anceps alba—Specimen plant..... | 10.00 | 5.00 | |
| Cyclamen—36 plants..... | 50.00 | 30.00 | | Laelia—Specimen plant, any other variety.. | 10.00 | 5.00 | |
| 12 plants | 20.00 | 15.00 | 10.00 | Odontoglossum—Specimen plant, any variety | 10.00 | 5.00 | |
| Chorozema | 25.00 | 15.00 | | Oncidium—Specimen plant, any variety.... | 10.00 | 5.00 | |
| Specimen plant | 15.00 | 10.00 | | Phalaenopsis—Specimen plant, any variety.. | 10.00 | 5.00 | |
| Erica—24 plants, not less than 6 var.... | 50.00 | 30.00 | | Vanda—Specimen plant, any variety..... | 10.00 | 5.00 | |
| 6 plants, not less than 3 var.... | 20.00 | 15.00 | | | | | |
| Erica melathra—6 plants..... | 20.00 | 15.00 | | Roses. | | | |
| Erica, any species—Specimen plant..... | 15.00 | 10.00 | | | 1st | 2nd | 3rd |
| Flowering Shrubs—12 plants, standard, or | | | | Roses—Display in pots or tubs, any or all | | | |
| tree form, in not less than 6 varieties... | 30.00 | 20.00 | | classes to occupy not less than 300 | | | |
| Fuchsia—6 plants, not less than 6 var.... | 15.00 | 10.00 | | square feet, arranged for effect..... | \$200.00 | \$150.00 | |
| Specimen plant | 10.00 | 5.00 | | Roses—12 Climbing or Rambling, 6 or more | | | |
| Gardenia—6 plants | 15.00 | 10.00 | | varieties | 60.00 | 40.00 | |
| Specimen plant | 10.00 | 5.00 | | Roses—6 Climbing or Rambling, 3 or more | | | |
| Genista—12 plants | 35.00 | 25.00 | | varieties | 30.00 | 20.00 | |
| 6 plants | 20.00 | 15.00 | 10.00 | | 1st | 2nd | 3rd |
| Specimen plant | 15.00 | 10.00 | 5.00 | Roses—Crimson Rambler, Specimen plant.. | \$10.00 | \$ 5.00 | |
| Flowering Plants—Group arranged for ef- | | | | Lady Gay, specimen plant..... | 10.00 | 5.00 | |
| fect, with palms and other foliage | | | | Dorothy Perkins, specimen plant.... | 10.00 | 5.00 | |
| plants, to cover not less than 200 | | | | Tausendschon, specimen plant..... | 10.00 | 5.00 | |
| square feet | 100.00 | 75.00 | | Debutante, specimen plant..... | 10.00 | 5.00 | |
| Forced Shrubs—Group forced shrubs and | | | | Hiawatha, specimen plant..... | 10.00 | 5.00 | |
| herbaceous plants (hardy trees and | | | | Roses—Climbing, any other variety, speci- | | | |
| vines admissible) arranged for effect, to | | | | men | 10.00 | 5.00 | |
| cover not less than 300 square feet.... | 100.00 | 75.00 | | Roses—Baby Rambler, Crimson, 6 plants... | 10.00 | 5.00 | |
| Hydrangea—12 plants, not less than 3 var.. | 35.00 | 25.00 | | Baby Rambler, Pink, 6 plants..... | 10.00 | 5.00 | |
| 6 plants, not less than 2 var.... | 25.00 | 15.00 | 5.00 | Baby Rambler, White, 6 plants..... | 10.00 | 5.00 | |
| Specimen plant | 15.00 | 10.00 | | Roses—Collection of Hybrid Perpetuals, not | | | |
| Lilac—12 plants, not less than 3 var.... | 25.00 | 15.00 | | less than 15 plants, not less than 6 va- | 25.00 | 15.00 | |
| 3 plants, one or more vars..... | 10.00 | 5.00 | | rieties | | | |
| Marguerite—6 plants, not less than 2 vars.. | 15.00 | 10.00 | | Roses—Collection of Standard or Tree | | | |
| 3 plants | 10.00 | 5.00 | | Roses, 12 or more plants, 6 or more | | | |
| Specimen plant | 5.00 | 3.00 | 2.00 | varieties | 25.00 | 15.00 | |
| Rhododendron—24 plants, not less than 6 | | | | Ferns. | | | |
| varieties | 60.00 | 40.00 | | | 1st | 2nd | 3rd |
| Rhododendron—12 plants, not less than 3 | | | | Adiantum Farleyense—Specimen | \$ 5.00 | \$ 3.00 | \$ 2.00 |
| varieties | 30.00 | 20.00 | | Adiantum cuneatum or its variety—Specimen | 5.00 | 3.00 | 2.00 |
| Rhododendron—Specimen plant, red or | | | | Adiantum—Specimen, any other variety... | 5.00 | 3.00 | 2.00 |
| crimson | 25.00 | 15.00 | 10.00 | Aspidium—Specimen | 10.00 | 6.00 | 4.00 |
| Rhododendron—Specimen plant, pink or | | | | Cibotium Schiedei—Specimen | 20.00 | 15.00 | 10.00 |
| lavender | 25.00 | 15.00 | 10.00 | Davallia—Specimen, any variety..... | 15.00 | 10.00 | 5.00 |
| Rhododendron—Specimen plant, white or | | | | Gleichenia—Specimen | 10.00 | 6.00 | 4.00 |
| nearly white | 25.00 | 15.00 | 10.00 | Nephrolepis exaltata and its varieties—Dis- | | | |
| Rhynchospermum—Specimen plant..... | 15.00 | 10.00 | 5.00 | play one of each, pots or pans not to | | | |
| Spiraea (Asthilbe)—12 plants, not less than 3 | | | | exceed 8 inches in diameter..... | 25.00 | 15.00 | 10.00 |
| varieties | 15.00 | 10.00 | | Nephrolepis Bostoniensis—Specimen | 10.00 | 6.00 | 4.00 |
| Wistaria—Specimen plant | 10.00 | 5.00 | | Nephrolepis Scottii—Specimen | 5.00 | 3.00 | 2.00 |
| Geranium (Zonal Pelargonium)—12 plants, | | | | Nephrolepis Piersoni—Specimen | 10.00 | 6.00 | 4.00 |
| not less than 12 varieties..... | 15.00 | 10.00 | | Nephrolepis Piersoni elegantissima—Speci- | | | |
| | 1st | 2nd | 3rd | men | 5.00 | 3.00 | 2.00 |
| Primula Kewensis—12 plants..... | 10.00 | 6.00 | 4.00 | Nephrolepis Whitmani—Specimen | 5.00 | 3.00 | 2.00 |
| Primula obconica—12 plants..... | 10.00 | 6.00 | 4.00 | Nephrolepis—Specimen any other variety... | 5.00 | 3.00 | 2.00 |
| Primula—Collection of 24 plants, not less | | | | Polypodium, or Goniophlebium—Specimen... | 15.00 | 10.00 | |
| than 6 species | 15.00 | 10.00 | | Stag Horn Fern—6 plants, in variety... | 15.00 | 10.00 | 5.00 |
| Schizanthus—6 plants | 10.00 | 5.00 | | Specimen, any variety..... | 5.00 | 3.00 | 2.00 |
| | | | | Tree Fern—Specimen | 25.00 | 15.00 | |
| Bulbs. | | | | Fern—Specimen, any other variety..... | 10.00 | 6.00 | 4.00 |
| Hyacinths—8 10-in. pans, distinct varieties.. | \$25.00 | \$15.00 | \$10.00 | Fern—Specimen, new variety, not yet in | | | |
| 3 10-in. pans, white | 10.00 | 6.00 | 4.00 | commerce | Silver | Bronze | |
| 3 10-in. pans, pink and red.... | 10.00 | 6.00 | 4.00 | Medal | Medal | | |
| 3 10-in. pans, light blue | 10.00 | 6.00 | 4.00 | Palms and Foliage Plants. | | | |
| 3 10-in. pans, dark blue | 10.00 | 6.00 | 4.00 | | | | |
| Hyacinths—50 single pots, not less than 12 | | | | Areca—Pair | \$25.00 | \$15.00 | |
| varieties | 25.00 | 15.00 | 10.00 | Specimen | 15.00 | 10.00 | |
| Lilies—Display to cover not less than 100 | | | | Cocos Australis or its varieties—Specimen.. | 15.00 | 10.00 | \$5.00 |
| square feet. Foliage plants may be used | | | | Cocos plumosus—Specimen | 15.00 | 10.00 | 5.00 |
| for effective arrangement | 50.00 | 30.00 | | Kentia Belmoreana—Pair | 25.00 | 15.00 | 10.00 |
| Narcissus, Large Trumpet—12 10-in. pans, | | | | Specimen | 15.00 | 10.00 | 5.00 |
| 12 varieties | 20.00 | 15.00 | 10.00 | Kentia Forsteriana—Pair | 25.00 | 15.00 | 10.00 |
| Narcissus, Short or Medium Trumpet—12 | | | | Specimen | 15.00 | 10.00 | 5.00 |
| 10-in. pans, 12 varieties..... | 15.00 | 10.00 | 5.00 | Phoenix Roebeleni—Pair | 15.00 | 10.00 | 5.00 |
| Narcissus—3 10-in. pans, Glory of Lelden | 5.00 | 3.00 | 2.00 | Phoenix rupicola—Specimen | 15.00 | 10.00 | 5.00 |
| 3 10-in. pans, Bicolor or Victoria | 5.00 | 3.00 | 2.00 | Phoenix Canariensis—Pair | 15.00 | 10.00 | 5.00 |
| 3 10-in. pans, Empress | 5.00 | 3.00 | 2.00 | Phoenix reclinata—Pair | 15.00 | 10.00 | 5.00 |
| 3 10-in. pans, Emperor | 5.00 | 3.00 | 2.00 | Palms—Collection, other than above, 12 | | | |
| 3 10-in. pans, Golden Spur | 5.00 | 3.00 | 2.00 | plants, 12 varieties | 35.00 | 20.00 | |
| 3 10-in. pans, Double Vot Son. | 5.00 | 3.00 | 2.00 | Bay Trees—Display | 100.00 | 75.00 | |
| 3 10-in. pans, Any other double | 5.00 | 3.00 | 2.00 | Pair, pyramidal | 15.00 | 10.00 | 5.00 |
| Tulips, Early Single—15 10-in. pans, dis- | | | | Pair, standard | 15.00 | 10.00 | 5.00 |
| tinct varieties | 20.00 | 15.00 | 10.00 | Pair, columnar | 15.00 | 10.00 | 5.00 |
| Tulips, Early Single—3 10-in. pans, distinct | | | | Box Trees—Display | 75.00 | 50.00 | |
| varieties | 15.00 | 10.00 | 5.00 | Pair, pyramidal | 10.00 | 5.00 | |
| Tulips, Early Single—3 10-in. pans, white.. | 5.00 | 3.00 | 2.00 | Pair, standard | 10.00 | 5.00 | |
| Tulips, Early Single—3 10-in. pans, pink... | 5.00 | 3.00 | 2.00 | Pair, bush | 10.00 | 5.00 | |
| Tulips, Early Single—3 10-in. pans, scarlet | | | | Araucaria—6 plants, 3 or more varieties... | 15.00 | 10.00 | 5.00 |
| or crimson | 5.00 | 3.00 | 2.00 | Croton—Display | 50.00 | 35.00 | |
| Tulips, Early Single—3 10-in. pans, yellow | 5.00 | 3.00 | 2.00 | Croton—25 plants, 25 varieties, in not over | | | |
| Tulips, Early Single—3 10-in. pans, any other | | | | 6-inch pots | 25.00 | 15.00 | |
| color or colors | 5.00 | 3.00 | 2.00 | Croton—6 plants, 6 varieties..... | 15.00 | 10.00 | |
| Tulips, Early Double—6 10-in. pans, not less | | | | Cycad—Specimen, any variety | 20.00 | 15.00 | |
| than 3 varieties | 15.00 | 10.00 | 5.00 | Dracaena—12 plants, 6 or more varieties... | 25.00 | 15.00 | 10.00 |
| Tulips, Darwin—12 10-in. pans, 12 varieties... | 20.00 | 15.00 | 10.00 | Specimen, green | 5.00 | 3.00 | 2.00 |
| Tulips, Cottage or Late, other than Dar- | | | | Specimen, red | 5.00 | 3.00 | 2.00 |
| win—12 10-in. pans, 12 varieties..... | 15.00 | 10.00 | 5.00 | Specimen, any other color..... | 5.00 | 3.00 | 2.00 |
| Miscellaneous collection, arranged for effect, | | | | Ficus elastica or elastica variegata—Specmn | 10.00 | 6.00 | 4.00 |
| other foliage plants admissible, to cover | | | | Ficus pandurata—Specimen | 10.00 | 6.00 | 4.00 |
| not less than 150 square feet..... | 50.00 | 30.00 | | Heliconia—4 plants in variety..... | 25.00 | 15.00 | |
| | | | | Nepenthes—3 plants, 3 varieties..... | 15.00 | 10.00 | |
| Orchids. | | | | Specimen | 10.00 | 5.00 | |
| Orchids—Collection, to cover not less than | | | | Pandanus Veitchii—Specimen | 5.00 | 3.00 | 2.00 |
| 100 square feet, arranged with foliage | | | | Pandanus—Specimen, any other variety.... | 5.00 | 3.00 | 2.00 |
| plants for effect. For commercial grow- | | | | Greenhouse or Stove Foliage Plants—6 | | | |
| ers only | \$100.00 | \$75.00 | \$50.00 | plants, 6 varieties..... | 25.00 | 15.00 | |
| Orchids—Collection to cover not less than | | | | Cacti and Other Succulent Plants—Collec- | | | |
| 100 square feet, arranged with foliage | | | | tion, not less than 50 varieties..... | 30.00 | 20.00 | |
| plants for effect. For non-commercial | | | | Economic Plants—Collection, not less than | | | |
| growers only | 100.00 | 75.00 | 50.00 | 30 varieties | 50.00 | 35.00 | |
| Orchids—Collection, 12 plants, 12 distinct | | | | Banana Tree—Specimen in fruit..... | 10.00 | 5.00 | |
| varieties | 50.00 | 30.00 | | Lemon Tree—Specimen in fruit..... | 10.00 | 5.00 | |
| Cattleya Trianae—Specimen plant..... | 25.00 | 15.00 | 10.00 | Orange Tree—Specimen in fruit..... | 10.00 | 5.00 | |
| Cattleya Schroederiae—Specimen plant..... | 25.00 | 15.00 | 10.00 | Conifers—Collection in pots or tubs, not | | | |
| Cattleya, any other variety—Specimen plant | 25.00 | 15.00 | 10.00 | less than 25 varieties..... | 75.00 | 50.00 | 25.00 |
| Cypripedium—Collection, not less than 25 | | | | Conifers—3 specimens | 30.00 | 20.00 | |
| varieties | 50.00 | 30.00 | | 2 specimens | 20.00 | 15.00 | |
| Cypripedium—6 plants, 6 varieties..... | 25.00 | 15.00 | | Single specimen | 15.00 | 10.00 | |
| Cypripedium—Specimen, any variety..... | 10.00 | 5.00 | | | 10.00 | 5.00 | |
| Calanthe—6 plants in variety..... | 15.00 | 10.00 | | Any exhibit of merit not included in above schedule will be prop- | | | |
| Coleogyne—6 plants | 25.00 | 15.00 | | erly recognized, especially any new, rare or meritorious plants. | | | |
| Specimen plant | 15.00 | 10.00 | | Additions may be made to this schedule later on, if found ad- | | | |
| Dendrobium—12 plants, 12 varieties..... | 35.00 | 25.00 | | visable. | | | |
| | | | | Cut flower schedule will appear later. | | | |

THE AMERICAN FLORIST

1885 TWENTY-FIFTH YEAR 1910

Subscription, United States and Mexico \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

Eastern Representatives:

A. F. FAULKNER, 1133 Broadway, New York.
KOBET, KIRT, 1725 Chestnut St., Philadelphia, Pa.

THE AMERICAN FLORIST,
324 Dearborn St., CHICAGO.

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BURBANK'S spineless cactus, as a substitute for meat, is the latest from some of the western food authorities. It looks like an opportune time.

In the G. L. Freeman advertisement on page 244 in our last issue the line reading "Cattleyas, 15 varieties, 5,000 plants," should have read 50,000.

MARCH cometh like a lamb.

THE mysterious and elusive cattleya fly is prescribed for on page 262 in this issue.

THE annual meeting and exhibition of the American Rose Society will be held at New York, March 16-18.

DURING 1909 there were 3,360,221 visitors entered the gates of the Botanic Gardens at Kew, London, Eng.

IF the signs of the times mean anything, the orchid dealers and collectors will have their innings shortly, commercial types having the call.

REGISTER suggestions with the secretary of the Society of American Florists now, so that they may be taken up at the Rochester meeting of the executive committee March 12.

A GLADIOLUS SOCIETY or a committee of that name in the Society of American Florists is badly needed. A new variety should not be offered to the public until shown before the committee and its right to a name conceded and then registered.

THE Brussels Universal and International Exhibition of 1910 opens in April and continues to November. Exhibits must be in place April 15. Address all communications to President Executive Committee, 34 Rue des XII Apotres, Brussels, Belgium.

Illinois State Florists' Association.

The following appointments have been made by President-elect C. L. Washburn as per constitution: Members of the advisory board for three years—J. C. Vaughan, Chicago, and J. F. Ammann, Edwardsville, both to succeed themselves; vice-presidents for three years—Geo. B. Franks, Champaign, to succeed Chas. Loveridge, of Peoria, who was elected first vice-president, and H. E. Smith, Danville, to succeed A. R. Knowles, who has left the state. Our slogan is "100 members this year."

J. F. AMMANN, Sec'y.

Society of American Florists.

REGISTRATION OF ROSE.

Public notice is hereby given that the Conard & Jones Co., West Grove, Pa., offers for registration the rose described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

RAISER'S DESCRIPTION.

Rose Wm. R. Smith—Flowers are large, full and double and most exquisitely formed. The petals are so firm they look like wax, softly curled, colored cream with flesh tint tips, buff yellow base and the center a heart of pink, perfect buds. The flowers are borne on long, strong stems, just right for making bouquets and the fragrance is delightful. Originator, Richard Baggs, of Bridgeton, N. J. Introduced by John Shellen and E. G. Hill Co.

H. B. DORNER, Sec'y.

February 24, 1910.

Haarlem Flower Show.

The jubilee flower show, organized by the General Bulb Growers' Society of Haarlem, will be opened by H. R. H. Prince Henry, of the Netherlands, March 23. The exhibition halls, although very spacious, will prove to be too small to contain the great many exhibits for which space has already been applied for. Another building has been constructed for plants and flowers, but as the grounds have already been planted with bulbs in autumn, and are also rather crowded, it will be quite impossible to erect more buildings.

The bulbs planted (representing nearly one million), will regularly succeed each other; the opening week will prove the usefulness of the charming crocus; next comes the stately hyacinth and its elegant "miniature" offspring. Daffodils and narcissi are naturally grouped at the feet of the old trees which are the pride of the Haarlem "wood," the site of the show. From mid-April to the end of May, glorious tulips will greet the visitor in great variety.

Meetings Next Week.

Butte, Mont., March 11.—Montana Florists' Club, Columbia Gardens.

Chicago, March 10.—Gardeners' and Florists' Union No. 10615, 10 and 12 Clark St.

Cincinnati, O., March 12, 8 p. m.—Cincinnati Florists' Society, Jabez Elliott Flower Market.

Dayton, O., March 7, 8 p. m.—Dayton Florists' Club, 37 E. Fifth Street.

Detroit, Mich., March 7, 8 p. m.—Detroit Florists' Club, Cowie building, 42-44 Gratiot avenue.

Grand Rapids, Mich., March 7.—Grand Rapids Florists' and Gardeners' Club, office of member.

Hartford, Conn., March 11, 8 p. m.—Connecticut Horticultural Society, County building.

LaCrosse, Wis., March 8.—LaCrosse Gardeners' and Florists' Society, Hotel Stoddard.

Madison, N. J., March 9, 8 p. m.—Morris County Gardeners' and Florists' Society, Masonic Hall.

Montreal, Que., March 7.—Montreal Gardeners' and Florists' Club, Royal Guardians building, 211 Sherbrooke street, west.

New London, Conn., March 9.—New London County Horticultural Society, Elks' Hall.

New York, March 9, 4:30 p. m.—Horticultural Society of New York, American Institute rooms.

Omaha, Neb., March 10, 8 p. m.—Omaha Florists' Club, City Hall.

St. Louis, Mo., March 10, 2 p. m.—St. Louis Florists' Club, Odd Fellows building, 8th and Olive streets.

Toledo, O., March 9.—Toledo Florists' Club.

Winnipeg, Man., March 9.—Winnipeg Florists' Association.

Bulletins Recently Issued.

By the Department of Agriculture, Washington, D. C.:
"How to Destroy Rats," by David E. Lantry.
"Fumigation of Apples for the San Jose Scale," by A. L. Quaintance.
"Heat Transference in Soils," by Harrison E. Patten.
"Irrigation of Alfalfa," by Samuel Fortier.
"Three Insect Enemies of Shade Trees," by L. O. Howard.
"The Florida Velvet Bean and Its History," by Katherine Stephens Bort.
"Promising New Fruits," by William A. Taylor.
"The Deterioration of Corn in Storage," by J. W. T. Duvel.
"The Pear Thrips," by Dudley Moulton.
"The Pear Thrips and Its Control," by Dudley Moulton.
"The Importance of Broad Breeding in Corn," by G. N. Collins.
"The Decay of Cabbage in Storing—Its Cause and Prevention," by L. L. Harter.
By the Berkeley, Calif., Agricultural Experiment Station: "Report of the Plant Pathologist and Superintendent of Southern California Station," by Ralph E. Smith.

By the Connecticut Agricultural Experiment Station, New Haven: "The San Jose Scale and Methods of Controlling It," by W. E. Britton.

By the Pennsylvania Department of Agriculture: "Nursery and Orchard Inspection," by H. A. Surface.

By the Texas Agricultural Experiment Station: "Forest and Ornamental Trees," by H. Ness.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—As landscape gardener or caretaker and gardener on gentleman's private place, by a good steady man. Address J. G. DICKINSON, Shelby, Ohio.

Situation Wanted—By young married man, German; At rose, carnation and 'mum grower; able to take charge of ranges of any size. Address Key 452, care American Florist.

Situation Wanted—By single man, 40 years of age, 16 years' experience, on place where first-class cut flowers and bedding plants are grown, to take charge. Address Key 459, care American Florist.

Situation Wanted—As gardener in private place by young married man, no children; experienced in greenhouse and all outdoor work; best references. Address Key 457, care American Florist.

Situation Wanted—By a practical grower of cut flowers and general stock, on private or commercial place; 15 years' experience; age 30 single; best of references; please state particulars in first letter. Address Key 462, care American Florist.

Situation Wanted—By competent grower of cut flowers and potted plants in general; willing to take charge; or as foreman in an up-to-date commercial place; 26 years in the trade; middle age; single, sober. Address Key 461, care American Florist.

Situation Wanted—As working foreman in first-class retail establishment; successful grower of roses, carnations, violets 'mums, lilies Begonia Lorraine, pelargoniums; life experience; middle-aged; married; disengaged March 1st. J. HODGE 163 Foster St. Mansfield, Ohio.

Help Wanted—Experienced single gardener for private place; good grower of cut flowers, forcing of bulbs, raise vegetables; room furnished; good wages; place in Northwestern Illinois; give full particulars. Address Key 458, care American Florist.

Help Wanted—Two experienced men for general greenhouse stock; no drinkers, and must understand their business; steady place and good wages. THE CARL HAGENBURGER CO., West Mentor, Ohio.

Help Wanted—At once, an all-round grower of roses, carnations and 'mums and bedding stock; must be a good worker and able to get results. Address, with reference, GREENVILLE FLORAL CO., E. G. Mulik, Sec'y Greenville, Mich.

Help Wanted—A first-class seedsman, competent to run a California city store. State fully your experience and where, nationality, salary you have received and expect, and give references. A good opening for the right man; preference to one who will invest \$2,000 to \$10,000. Give full information in first letter. THOS. SNOWDEN, 701 So. Griffin Ave., Los Angeles, Calif.

For Sale—First class florist business in city of 30,000; reason for selling; other business. Key 999, care American Florist.

For Sale—A piece of ground, 150x150, with greenhouse 22x100; no other florist within six miles. Address Key 453, care American Florist.

For Sale or Rent—47,000 square feet of glass, in good location; needs partial rebuilding; rent accordingly, or will sell at reasonable price. Key 460, care American Florist.

For Sale—Four greenhouses and 1 acre or more of land; also house and lot next to same in one of best cities of Northern Ohio; one of firm retiring reason for selling. Address Key 455, care American Florist.

For Sale—A good florist retail and wholesale business; six greenhouses in pot plants, carnations, violets and 'mums; 12 lots, located on a good boulevard; dwelling and barns; \$7,500.

THE GOESCHL & WOOD FLORAL CO., 1901 So. Logan, Denver, Colo.

For Sale—4,000 feet of glass, eight-room house and barn, on one acre of black prairie soil in a booming town of 4,000, with 16 factories. Here is a chance of a lifetime. Price, \$3,500 if taken at once. Good reasons for selling. A. RICHTER, Sturgis, Mich.

Wanted to Rent—Fifteen to thirty thousand feet of glass; West or Southwest preferred. Address Box 215 New Castle Ind.

Situation Wanted.

Experienced florist, speaking and writing English, French and German wants position in first-class seed store.

Address A. F. FAULKNER, care American Florist, 1133 Broadway, New York.

WANTED---A FOREMAN

Well posted in trees, shrubs and perennials to take charge of park plantings, street and park trees; must be able to design and execute planting plans and know how to handle men; promising position for right man; single man preferred; give references and state salary wanted. Address THEO. WIRTH, Sup't Parks, Minneapolis, Minn.

Wanted Seedsman.

One who has had considerable experience in general wholesale garden seed business. Good wages and a chance for rapid advancement.

Key 450, care American Florist.

Situation Wanted.

By first-class young Hollander, married, no children, four years' American experience and ten years' experience in different countries in Europe and East Indies; private situation preferred; experienced in landscape gardening and managing a private estate; also capable of managing an ornamental nursery; eastern states preferred; age 30.

Key 426, care American Florist.

TO RENT.

A very rare opportunity of one of the most modern and up-to-date florist establishments of about 15,000 sq. ft. glass; hot water heat; Superior tubular boiler; entire place equipped with electric lights, cement walks and floors; work building 20x115 two stories 8-room modern flat; good established business; the conveniences and accommodations to all transportation, etc. are too numerous to mention; they cannot be excelled; if interested an investigation will convince.

RICHARD F. GLOEDE.

1405-1407 Central St., Evanston Ill.

Nurseryman Wanted.

A splendid chance for a young man with a few hundred dollars to establish himself in a profitable and growing business; only one nursery within 50 miles, and a large demand already created for these goods; splendid shipping facilities, good soil and large demand at home; man must be a hustler and have both the growing and the selling experience; full particulars will be given by addressing

JOSEPH BANCROFT & SON, Cedar Falls, Iowa.

WANTED.

At once, a competent grower for retail trade for southwest Texas. A good designer; honest and reliable; able to take charge when needed; age between 22 and 35; none other need apply; \$40.00 per month, board and room.

Key 449, care American Florist.

WANTED AT ONCE

A sober, industrious man for general greenhouse work. Wages \$14.00. Address

Key 452, care American Florist.

Bankruptcy Sale

Greenhouse property, 10,000 sq. ft. glass. Everything first-class and up-to-date. No competition; only greenhouse in the county. Will be sold March 12, 1910, to the highest bidder. Terms cash. For further information write

COOK & MILLER, Trustees, MT. GILEAD, O.

For Sale

Five acres of land and 10,000 feet of glass, seven room dwelling house, city water, two street car lines. Houses in good condition. Good reasons for selling. Price reasonable. Seven miles from Cleveland.

Key 456, care American Florist.

IF YOU SAW IT IN

THE FLORIST

SAY SO IN YOUR NEXT ORDER.

Easter Souvenir Price Lists

We have a fine line of illustrations suitable for

Easter Booklets and Folders.

Easter Lilies, Crimson Ramblers, Azaleas, Hydrangeas, Lilacs, Church Decorations, Wedding Bouquets, etc.

Write for prices.


AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

We are Strong on Roses and Carnations

NONE BETTER TO BE HAD.

Can furnish you with the following roses in quantities

Beauties, Mrs Jardine, My Maryland, Killarney, Perle, Richmond, Bride, Bridesmaid, Kaiserin.

CARNATIONS All the Leading Quality Unexcelled.
Sorts 

Plenty of spring stock, Tulips,
Jonquils, Daffodils, Narcissus,
Sweet Peas, Freesias, Violets,
Valley and Greens of all kinds.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty.....

WHOLESALE
GROWER of

CUT FLOWERS

Chicago.

A SLIGHT IMPROVEMENT

The end of the week showed a slight improvement in business and, although the city trade could not be called good, yet retailers were more in evidence around the wholesale stores. Shipping trade kept up exceedingly well and inquiries for later deliveries would seem to indicate better times ahead if the weather man consents. Prices on all stock have shaded a little and there were several days when the poorer classes of stock had to go at a very low rate. (A great time for the Greeks). Friday was an exceptionally busy day with several of the wholesale houses, growers having to buy after cleaning out heavy consignments from the greenhouses. There was a big demand for the best American Beauties and there were none too many of this class of stock. In the shorter and medium grades there was plenty. Richmond and Uncle John have been coming in fine and there has been a big supply of good Bride and Bridesmaid. Killarney has been variable in quality, some fine but others poor. Bulb stock and all small flowers have been plentiful all through the week.

Trade the early part of this week was of the quietest description and only the shipping trade saved the day. This was the more disappointing after the little spurt at the end of the week. Split carnations simply could not be moved at any price, though wholesalers tried their best by offering them at very low figures in quantity. Bulbous stock was a drag on the market and quite a lot of it had to be thrown away. Good stock, however, was not over plentiful, and prices on the best grades were fairly well maintained. Roses are plentiful in all varieties and some elegant stock is seen. Later in the week conditions were worse if anything, and carnations and other stock piled up. At the time of writing there is a great improvement in the weather and this, it is hoped, will help the transient trade some.

EASTER PROSPECTS.

Already there are many inquiries for stock for Easter and out-of-town buyers especially are anxious to know about the price lilies are likely to make around that festival. They will be high, there is no doubt about that. Just how high will not be known for some time yet, but there are a great many growers who are depending upon

purchasing stock, while others who attempted to force on time find that their plants are behind and will have to hold them over. The early date is against the Longiflorums being on time and thought doubtless, when the time arrives, there will be a big stock, there will also be a big demand and the price will soar. There is every prospect of a good crop of Beauties. Several of the largest growers around the city say their plants will be just right and these will doubtless be very acceptable for Easter, which is, above all, a Beauty holiday. Other roses will be in good shape and there will be a large supply of all classes of bulb stock and callas. It is doubtful if carnations will be as plentiful as they have been in former years; everyone having been in crop now for a considerable time. There is no need of borrowing trouble, but it looks as though there may be a little shortage here.

NOTES.

Much sympathy is felt for Geo. Hunt in the death of his wife and for her sons A. E., Fred G., and H. H. Hunt in the loss of their mother. Mrs. Hunt died at the family home, 1515 Payne street, Evanston, February 27, of dropsy and was buried at Rosehill cemetery March 1. Although for some considerable time Mrs. Hunt's death had been looked forward to it was a sad shock to both her husband and sons, all of whom were very devoted to her during her long and painful illness. Mrs. Hunt's maiden name was Mary Tolman, and the new carnation, raised by the boys, was one of her principal interests in life of late. It was a pretty and affecting tribute to her memory to make a casket cover of this carnation of which she had watched the progress with such interest and which was, of course, named after her. Mrs. Hunt was born in Norfolk, Eng., August 18, 1838, and one still notices the east country dialect when speaking to her sons. She was in her seventy-second year, and besides her sons, three married daughters in London survive her. The stall holders at the Flower Growers' Market sent a very beautiful design to the funeral.

As indicated in this column last week, Hoerber Bros. are going on with the addition to their plant at Desplaines as soon as the weather permits. The addition is of 100,000 square feet of glass, to be used for roses, carnations and chrysanthemums, and

Wietor Bros.,

Wholesale Growers of

..CUT FLOWERS..

51 Wabash Avenue,

CHICAGO.

Price List

| American Beauties, | Per doz |
|--------------------|---------|
| Extra long | \$ 5 00 |
| 36-inch stems..... | 4 00 |
| 30-inch stems..... | 3 00 |
| 24-inch stems..... | 2 50 |
| 20-inch stems..... | 2 00 |
| 18-inch stems..... | 1 50 |
| 15-inch stems..... | 1 00 |
| Short | 75 |

| | Per 100 |
|--------------------------|--------------|
| Killarney, extra | \$10 00 |
| " fancy | 8 00 |
| " good..... | 5 00 to 6 00 |
| Richmond, extra | 8 00 |
| " fancy | 6 00 |
| " good | 5 00 |
| Mrs. Jardine, extra..... | 10 00 |
| " fancy | 8 00 |
| " good | 6 00 |

| | |
|-------------------------------|----------------|
| White Killarney, fancy | 10 00 to 12 00 |
| Brides and Maids, fancy | 6 00 to 8 00 |
| " good..... | 4 00 to 5 00 |
| Uncle John, fancy | 6 00 to 8 00 |
| " good | 4 00 to 5 00 |

Perle, fancy..... 10 cents

ROSES, our selection..... \$4 00

Carnations, extra fancy..... 2 00 to 3 00

Easter Lilies, short \$2 00 per doz.

Valley

Asparagus Plumosus,

extra quality, per bunch 75c

Fancy Ferns, per 1000..... \$2 00

All other stock at lowest market rates.

Prices subject to change without notice.
No charge for packing.

there is a possibility that a Beauty section may be added later. This just doubles the size of the plant. The contract for the woodwork has been let to John C. Moninger Co., of Blackhawk street, and Geo. M. Garland Co., of Desplaines, has secured the contract for the Gariand gutters for the entire addition. A new 150 h. p. boiler will be installed and the firm's own fitters will do the steam fitting.

Considerable alterations to the heating apparatus will be taken in hand

BEAUTIES

Extra Long Stems,
\$3.00 per doz.

Our new spring crops of **Beauties** are now on, and they are the best in this market. We can supply them in very large quantities. Remember the extra long stems are always the best quality.

Killarneys, Richmonds, Maids, Brides and Perles

are also in with a big crop. Prices are falling every day.
We bill out at the lowest market prices each day.

EASTER LILIES

This Week,
\$12.00 per 100.

Write for our Weekly Price List. We keep you posted on the market.

Bassett & Washburn

Store and Office: 76 Wabash Ave.,

CHICAGO

Greenhouses: HINSDALE, ILL

at Peter Reinberg's home plant this season. New and larger steam mains are to be installed and readjustment of the heating coils. This is in part necessary owing to the removal of the entire stock of carnations to the new plant further north, where all these plants are now grown. Mr. Reinberg expressed himself as well satisfied with the condition of the plants at this new range and, judging by the quality of the stock now coming in to 35 Randolph street, he might well be, for it is excellent in every way.

S. Muir reports good business at his two south side stores up to the last week, when it has been a little quieter. Funeral work has been plentiful and he has had several good wedding orders. At a recent wedding it took quite a little hunting around to get the 800 American Beauties necessary. In the greenhouses a nice batch of Formosum lilies are likely to be just right for Easter, but the Longiflorums are a little behind. Bulb stock and azaleas are looking extremely well.

Frank Johnson, of the A. L. Randall Co., is back at the store after his sundry trips on the road. His last were through Ohio and Minnesota and he says that if business would come along at the rate it has been the past few weeks he would like to stay out. Good all around was his comment. Easter supplies are moving freely and a carload of caladiums and tuberose has been received and most of them sent out again this week.

John Mangel's store is extremely attractive now and he has stock of all kinds in excellent order. Trade is good here and wedding, funeral and other orders plentiful. We noted a fine lot of bulb stock in pots, also the pretty yellow *Primula Kewensis*, a species that should have a future as a market plant. The effect of the Wabash avenue windows hung with fine string smilax and filled with good stock is elegant.

The Geo. Wittbold Co. has a fine stock of palms and other decorative stock for Easter sales. Business during the last month has been excellent, according to Louis Wittbold, all classes of decorating being plentiful, so much so that it has footed up to one of the best months in the history of the firm. Rambler roses are very fine here and will be just right by Easter.

Wietor Bros. are receiving large cuts of all the popular roses daily and

We Are Cutting Heavily On Beauties, Roses and Carnations.

Our **Beauty** crop is at its best now and we have large supplies in all grades. For Easter we will be exceptionally strong on **Beauties, Roses, Carnations**, and all Seasonable stock. The carnations now being shipped are unsurpassed in quality in this or any other market.

PRICE LIST.

AMERICAN BEAUTIES Per doz.

| | |
|-----------------------|--------|
| Extra long stems..... | \$5 00 |
| 36 inch stems..... | 4 00 |
| 30 inch stems..... | 3 00 |
| 24 inch stems..... | 2 50 |
| 20 inch stems..... | 2 00 |
| 18 inch stems..... | 1 50 |
| 15 inch stems..... | 1 00 |
| 12 inch stems..... | 75 |

Richmond, Killarney, My Per 100

Maryland.....\$6 00 to \$10 00

Mrs. Field, Mme. Chatenay 6 00 to 8 00

Uncle John, Bride, Maid, Ivory, Sunrise, Golden

| | | |
|---------------------------|---------|-------|
| Gate..... | 6 00 to | 8 00 |
| Perle..... | 5 00 to | 8 00 |
| Roses, our selection..... | | 4 00 |
| Carnations..... | 1 50 to | 2 50 |
| Harrisii..... | | 15 00 |
| Valley..... | | 4 00 |
| Violets..... | | 75 |
| Adiantum..... | | 1 00 |
| Asparagus, per bunch... | | 50 |
| Ferns, per 1000..... | | 2 00 |

PETER REINBERG, 2,000,000 Feet of Modern Glass 35 Randolph Street, Chicago.

they clean up well. Carnations, too, are in fine shape and several days at the end of the week the staff were put to it to find stock for the numerous out-of-town orders, many of the usual consignments having to be doubled.

The new seed catalogue of Winter-son's Seed Store is now on the press and may be expected in a very few days. John Degnan heaved a big sigh of relief when imparting this information. A very striking bit of color printing in the shape of a hibiscus or mallow adorns the front cover.

E. H. Hunt has been handling some elegant freesias during the week. They are almost pure white with large blooms and very fragrant. Carnations are a strong feature and eastern fancy ferns are opening up in excellent order. A big business is being done in this line.

The J. B. Deamud Co. is handling the output of the Chicago Carnation Co.'s Conquest, Sangamo and Mary Tolman carnations exclusively, and the firm has standing orders from many of the leading retailers for these varieties.

E. B. Washburn and wife left for the west over the Santa Fe on the 8 p. m. "Sunset Limited" February 25. We hope they will have a very pleasant trip and that Mr. Washburn's health will be greatly benefited by the change.

At E. C. Amling's this week we noted boxes of very beautiful pansies being opened up, all of one variety a pretty blue like the old Magpie, but much finer in bloom.

J. W. Starett, who has been connected with the business around this market for 25 years, is now in charge of the table decorations at the new La Salle hotel.

Elegant *Cattleya Schroderæ* has been arriving daily at Pochlmann Bros. Co.'s store. The flowers are good and sell on sight. Rose stock is also in fine order here.

The Bohannon Floral Co. reports excellent business, many good wedding and other decorative orders coming its way.

Harry Manheim, lately with J. A. Budlong, has taken a position on the staff of Hoerber Bros.

Beauty Crop

Still Doing Good Work.

FANCY ROSES

Brides, Maids.....\$6.00 to \$10.00 per 100

Killarney, Pink.....\$6.00 to \$8.00 per 100

All Other Rose Stock in Full Crop.

Fancy Longiflorum.....\$2.00 per doz.

Lily of the Valley.....\$3.00 to \$4.00 per 100

CARNATIONS

Fancy.....\$2.00 to \$3.00 per 100 **Ordinary**.....\$1.50 per 100

Orchids

CATTLEYAS,
\$5.00 to \$6.00 per doz.

Spring Flowers

Von Sion.....\$2.00 to \$3.00 per 100

Jonquils..... 2.00 to 3.00 per 100

Tulips..... 2.00 to 4.00 per 100

Wild Smilax, Fancy Ferns, Leucothoe and Mexican Ivy.

VAUGHAN & SPERRY,

52-54 Wabash Ave.,
L. D. Phone, Central 2571

Chicago

Bassett & Washburn have a big crop of Beauties coming along and expect to be in full crop for Easter. They are now cutting 400 long-stemmed flowers per day. The Kaisers have been started up and the first crop is expected around Memorial day. C. L. Washburn says they have now sufficient coal to last over the summer, so will have no more worry on that account for a time. The lilies now arriving are elegant stock and there will be a big line of Longiflorums for Easter.

Vaughan & Sperry are handling an exceptionally fine line of Bride and Bridesmaid roses in addition to the usual miscellaneous stock. Long stemmed Beauties have not been quite so plentiful, but there has been a fine line of short and medium flowers. Nephrolepis elegantissima, fine fronds well feathered, have been helping out the scarcity of first-class greens. They are of excellent quality and look as if they would last well.

It now seems that the wages of the West Park gardeners were raised through independent petition of the gardeners themselves and not through the Federation of Labor, as stated in our issue of February 19, according to Thomas Skorupa, one of the gardeners. T. Rodgers, the union secretary, supplied the first information on the subject.

Sinner Bros. have been busy replenishing the coal bunkers, which had been considerably depleted during the recent cold snap. They are now well stocked up. Elegant stock of roses and carnations is now arriving at their stand on the Flower Growers' Market, so good that everybody wants it and it cleans up daily.

A. T. Shotwell, of the Shotwell Floral Co., Fargo, N. D., who was in the city this week, returning from the south, says he was nearly frozen to death down there.

The wedding of Miss Ida Kroeschell, daughter of W. L. Kroeschell, and Mr. Von Ammon of this city will take place March 3.

Ladies' Night, Florists' Club, Union restaurant, Thursday, March 3, at 8 p. m.

J. B. Deamud is on a business trip in Wisconsin.

Visitors: James Souden, Minneapolis, Minn.; E. S. Thompson, Benton Harbor, Mich.; Geo. Crabb, of Crabb & Hunter, Grand Rapids, Mich.; Harry Baisley, Detroit, Mich.; G. L. Freeman,

"The Busiest House in Chicago"

DID it ever appear to you that you could increase your business by carrying a grade of cut flowers that are just a little better than your competitor's? You can get them from

J. B. DEAMUD CO.

Fall River, Mass.: John Gipner, Niles, Mich.: Geo. H. Serviss, Batavia; A. T. Shotwell, of the Shotwell Floral Co., Fargo, N. D.

BOWLING.

At the bowling on Thursday evening the Violets won three straight from the Roses and the Carnations won two from the Orchids. E. F. Winter-son has taken the place of Allie Zech. The fight for the Deamud cup is getting interesting. Last week Yarnall gained about 100 on John Zech and passed him in the averages. He is now close on the heels of Bergman, the real leader. This week the bowling was held on Tuesday instead of Thursday, on account of ladies' night at the Florists' Club. The Violets beat the Carnations two out of three, the Roses treating the Orchids to the same tune.

Standing of the Teams.

| | W. | L. | Pct. |
|------------------|----|----|------|
| Violets | 35 | 22 | .614 |
| Carnations | 32 | 25 | .561 |
| Orchids | 27 | 30 | .474 |
| Roses | 20 | 37 | .351 |

Scores.

| | 1st. | 2d. | 3d. | Carnations, 1st. | 2d. | 3d. |
|-----------|------|-----|-----|------------------|-----|-----|
| Huebner | 149 | 136 | 129 | Farley | 144 | 132 |
| Graff | 167 | 129 | 148 | Krauss | 145 | 126 |
| Byers | 125 | 96 | 100 | Winter-son | 99 | 142 |
| Lin | 117 | 152 | 165 | Pasternich | 145 | 198 |
| Zech | 161 | 152 | 123 | Ayres | 128 | 190 |
| Totals | 719 | 669 | 605 | Totals | 661 | 788 |
| | 1st. | 2d. | 3d. | Roses, 1st. | 2d. | 3d. |
| Bergman | 156 | 138 | 157 | Goerish | 96 | 192 |
| Johnson | 149 | 187 | 162 | Wolf | 122 | 105 |
| Kruchten | 113 | 157 | 110 | Pieser | 187 | 165 |
| Lieberman | 149 | 130 | 184 | Lorman | 187 | 165 |
| Yarnall | 185 | 194 | 153 | Fischer | 126 | 157 |
| Totals | 752 | 806 | 766 | Totals | 674 | 752 |

NEW CASTLE, IND.—Joseph Lynch, of the Dingee & Conard Co., of West Grove, Pa., has been in town on business connected with his firm and the South Park Floral Co.

POUGHKEEPSIE, N. Y.—Chas. Mitchell is making arrangements to move his greenhouse business from S. Win-nikee avenue to the end of the same street, where he has purchased a lot and will erect a new shop with more and greatly improved machinery.

CHAMPAIGN, ILL.—The Johnson greenhouses on East Springfield avenue narrowly escaped total destruction by fire during the night of February 17. The crew of the "owl" car from Urbana saw the flames and at once roused Mr. Johnson, afterwards helping to put out the fire.

SCRANTON, PA.—Director of Public Works C. V. Terwillinger and John Cleland, who will donate a greenhouse to the city, visited Nay Aug park February 19, and after a conference with Superintendent of Parks Thomas Phillips, decided upon the present site of the deer park as the best location for the greenhouse.

MARION, IND.—The Maple Heights Greenhouse, located on the Hunting-ton pike, formerly owned by Gunnar Tellman and recently purchased by Mrs. Alfred Butterworth, has been sold to David Rudicel of 919 North Wash-ington street. The consideration was \$3,800. The transfer of the property includes four acres of land, a dwelling house, barn and greenhouses. The new proprietor took possession March 1.

Philadelphia.

TRADE DULL.

Dullness has been the feature the past week, the complaint of "nothing doing" being very general. If it was not for the early morning wreaths and clusters the story would be sad indeed. With such a poor demand stock in all lines has piled up and quantity buyers get it at their own price. There were several very mild and spring-like days, of which the cash store brethren took advantage, and this helped some. Daffodils are very plentiful, as are also tulips; these are sold very low in quantity lots. Carnations that grade high are offered at low prices. Violets are also down 25 per cent, and so it is all along the line. Some lay the blame on the street car strike, which may be responsible for a part by keeping some of the would-be buyers at home. About 75 per cent of the cars are now running during the day and 25 per cent at night. There was some talk of calling out the Amalgamated Order of Florists in a sympathy movement, but it did not work, and every member will continue to draw his full pay on Saturdays. There is a talk of 90,000 men of the various trades unions walking out in sympathy on next Saturday, which will, if the threat is carried out, give a very serious turn to the situation. The growers are now offering a very nice line of flowering plants. Pans of hyacinths and tulips, daffodils and crocuses, primulas, cinerarias, daisies, azaleas, lilacs, cyclamens, bougainvilleas, Easter lilies and spireas. For these there is a fairly good demand, mild sunny days in early spring nearly always helping their sales.

NOTES.

There was a very good attendance at the March meeting of the Florists' Club held last Tuesday evening. It was carnation night, with Mr. Herr the essayist of the evening, whose excellent paper received the closest attention and for which he received the thanks of the club. The discussion which followed the reading of Mr. Herr's paper was quite spirited, Messrs. Pennock, Farenwald, Grakelow, Kruger, Seeker, Thilow, Stroud, Westcott, Wertheimer and others taking active part. The methods of business in handling and keeping flowers was the principal topic and many points were brought out. The exhibition was excellent, both in point of quantity and variety, there being a goodly proportion of new varieties, and all the exhibits showed excellent culture.

Preparations for Easter are now in full swing at all the principal growers in this vicinity. The lily question is uppermost in the minds of many, as quite a few crops are reported a little undertimed. Godfrey Aschmann is beaming over these days. He says he never had his stock in such perfect shape, everything being just right for Easter, azaleas, lilies, spireas and hydrangeas. Cinerarias and bulbous stock are his staples, with a fine assortment of araucarias as a leader all the season round. His place is well worth a visit as Mr. Aschmann is nearly always there to enthuse the visitor with his optimistic ideas of the future of the business.

David Anderson, of the Lansdowne-Garrettford contingent, is gaining in glass area along with the best of them and has just closed a contract with the King Construction Co. for two houses, 35x150 feet. The genial representative of this firm is a hard man to get away from, as by his convincing manner he shows his entire confidence and belief in the great advantage of using his style of greenhouses structures.

We Claim That APHINE Is the Most Effective Insecticide

Now on the market for the destruction of the
Mealy Bug, Brown and White Scale.

Others may claim their remedy to be "just as good," but we claim ours to be better—and have publicly proven this beyond a doubt.

We also claim **Aphine** to be no less effective against
Green, Black and White Fly, Red Spider and Thrips.

We are prepared to guarantee a uniform product at all times and one that will do all we claim for it.

For Green, Black and White Fly it is used at the strength of 1 part **Aphine** to 40 parts water.

For Red Spider, Thrips, Slugs and Ants, 1 part **Aphine** to 25 parts water.

For Mealy Bug, White and Brown Scale, 1 part **Aphine** to 15 parts water.

Price: \$2.50 per Gallon.

Aphine is becoming universally recognized as the leading general insecticide for the greenhouse and garden.

Your spring order will not be complete if it does not include **Aphine**.

If your supply house does not yet handle **Aphine**, write us for names of our nearest selling agents.

Aphine Manufacturing Company,

Madison, New Jersey

The National Association of Gardeners will hold an exhibition in connection with the Pennsylvania Horticultural Society on March 15-17. Over 40 pieces of silver plate and cups will be offered in prizes. There will be a banquet on Tuesday, March 15, which will, no doubt be a very fine affair.

The southern trade of the H. A. Dreer Co. is opening up in a very encouraging manner, many large orders having been received. The herbaceous stock is larger than ever and by the system of growing much of it in small pots it is always ready for immediate shipment.

A special selection of mignonette is one of the offerings of the Leo Niessen Co. at this time. Business is reported a trifle slow, but all right for the season.

Bayersdorfer & Co. are introducing a new expanding crepe paper cover that looks like a winner. Great preparations are being made for the Easter trade.

At McKissick's one cannot get away from Mrs. Jardine rose; as shown here, it is in it with the very best. Violets are also a specialty.

K.

Buffalo.

FUNERAL WORK ACTIVE.

The city is still enjoying all the beauties of winter from zero to a heavy fall of snow, followed by a thaw. This has been our position the past week. Very few receptions, no weddings of any size, but several dinners at the different clubs on Washington's birthday kept all busy. Funeral work has been quite active. Roses are good and in fair supply. Beauties are not in demand but good. Carnations are plentiful and good. Bulb stock is plentiful

and meeting a fair sale. Saturday found all stores on Main street announcing bargains in violets and carnations, the former selling at 25 cents the bunch of 50 positively fresh, while 25 carnations for 50 cents was another sign. All seem to be hopeful of their stock in the greenhouses for Easter.

NOTES.

S. A. Anderson has got into his new office where there is more room, also more space in the store for other work, floor space always being at a premium. On Tuesday evening all of his store people, together with the greenhouse superintendent, had a sleigh ride, followed by a luncheon at his home. To say that it was enjoyable would be putting it mildly. The playing of Miss Sauer and the singing of Miss Goehring were very much appreciated. After a pleasant evening all voted Mr. and Mrs. Anderson the best entertainers to be found.

We are on the eve of what promises to be an exciting time in the Florists' Club, the election of a president, the flower show and the banquet, all of which will take place at the Iroquois on Tuesday evening.

Arthur E. Beyer is now a resident of Denver, managing the store of J. A. Valentine. Denver has got a first-class florist and we have lost one. Everything points to the west.

The death of James Buxton removes the last of the old school of florists and growers who were both store men and growers about 40 years ago, getting their early tuition in England.

Visitors: Harry Bunyard, of A. T. Boddington, New York; J. J. Karins, of H. A. Dreer Co., Philadelphia; Reed & Keller's representative, and Wm. Dykes, of Ed. Jansen, New York.

BISON.

Bulbous Stock

Single Daffodils, Golden Spur and Princeps.
Tulips, Pink, White, Red and Yellow.
Valley, Very Choice, \$3.00 and \$4.00 per 100.

Acacia Pubescens.

Long graceful sprays of small yellow, ball shaped flowers, beautiful foliage, a very choice novelty
\$2.50 per bunch.

THE LEO NIESSEN CO., Wholesale Florists Business Hours. a. m. to 8 p. m.
1209 Arch Street, Philadelphia, Pa.

American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

Grafted and Own Root Rose Plants

Killarney, Richmond, My Maryland, White Killarney,
(Waban strain), Kaiserin, Bride and Bridesmaid.

Send for Prices

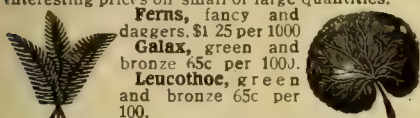
W. H. Elliott, Brighton, Mass.

Pittsburg Florists' Exchange

Wholesale Cut Flowers

Everything Seasonable

Headquarters for Ferns, Galax, Leucothoe and Wild Smilax, and carry a large supply of the best on hand at all times. We quote the following interesting prices on small or large quantities.



Wild Smilax, large cases, \$4.50 per case.

15 Diamond Square, PITTSBURG, PA.

Wholesale Flower Markets

| PITTSBURG, Mar. 2. | | Per 100 |
|---------------------------------|-------------|---------|
| Roses, Beauty, special. | 25 00@40 00 | |
| " " extra. | 15 00@20 00 | |
| " " No. 1. | 8 00@12 00 | |
| " " Bride Bridesmaid. | 4 00@8 00 | |
| " " Chateau. | 4 00@8 00 | |
| " " Killarney. | 4 00@8 00 | |
| " " My Maryland. | 4 00@8 00 | |
| " " Richmond. | 4 00@8 00 | |
| Carnations. | 1 00@2 00 | |
| Bouvardias. | 2 50@3 00 | |
| Callas. | 10 00 | |
| Cattleyas. | 50 00@60 00 | |
| Cypripediums. | 15 00 | |
| Daffodils. | 3 00@4 00 | |
| Gardenias. | 35 00@50 00 | |
| Hyacinths, Romans. | 2 00 | |
| Lilac, white. | 1 00@1 50 | |
| Lilium Longiflorum. | 12 00 | |
| Lily of the Valley. | 4 00 | |
| Mignonette. | 4 00 | |
| Narcissus. | 2 00@3 00 | |
| Pansies. | 2 00 | |
| Primroses. | 50@ 75 | |
| Sweet Peas. | 50@ 1 00 | |
| Tulips. | 3 00 | |
| Violets, double. | 50@ 75 | |
| " single. | 25 | |
| Adiantum. | 1 50 | |
| Asparagus Sprengeri, per bunch. | 50 | |
| " strings...per string. | 50 | |
| " sprays...per bunch. | 50 | |
| Smilax. | 15 00 | |

| PHILADELPHIA, Mar. 2. | | Per 100 |
|-----------------------|-------------|---------|
| Roses, Beauty, extra. | 40 00@75 00 | |
| " " first. | 25 00@35 00 | |
| " " Brides and Maids. | 6 00@10 00 | |
| " " Tea. | 6 00@10 00 | |
| " " extra. | 12 00@25 00 | |
| Carnations. | 4 00@6 00 | |
| Cattleyas. | 50 00@75 00 | |
| Lilium Harrisii. | 12 00@15 00 | |
| Lily of the Valley. | 4 00@5 00 | |
| Mignonette. | 5 00@6 00 | |
| Sweet Peas. | 75@ 1 00 | |
| Violets, single. | 75@ 1 00 | |
| " double. | 1 00@1 50 | |
| Smilax. | 15 00@20 00 | |

| BOSTON, Mar. 2. | | Per 100 |
|-----------------------|-------------|---------|
| Roses, Beauty, best. | 25 00@50 00 | |
| " " medium. | 15 00@25 00 | |
| " " culls. | 5 00@10 00 | |
| " " Bride Bridesmaid. | 4 00@6 00 | |
| " " Extra. | 6 00@8 00 | |
| Carnations. | 2 00@3 00 | |
| " selected. | 3 00@4 00 | |
| Callas. | 8 00@16 00 | |
| Cattleyas. | 50 00@75 00 | |
| Lilium Longiflorum. | 10 00@12 00 | |
| Lily of the Valley. | 2 00@4 00 | |
| Smilax. | 12 00@16 00 | |

The McCallum Co., Inc.

"WE HAVE THE STOCK"

Qualities Best.
Prices Right.

937 Liberty Ave., Pittsburg

Pittsburgh Cut Flower Co.,

Wholesale Florists and Growers,

The House that has and sells good goods at fair prices.

Salesrooms, 222 Oliver Ave.

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Choice Assortment of CUT FLOWERS will be found here.

WRITE FOR PRICES.

W. E. McKissick & Bros.

WHOLESALE FLORISTS.

Business Hours 7 a. m. to 8 p. m. 1619-1621 Ranstead St., PHILADELPHIA, PA.

Absolutely
The Best Possible
Service.

EVERYTHING A FLORIST USES.

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1433-35 California St.

Mention the American Florist when writing

RICE BROTHERS

Wholesale Florists and Supplies.

115 N. 6th St., MINNEAPOLIS, MINN.

Cut Flowers received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities.

Portland, Me.

J. W. Minott Co. has been very busy of late. This firm always makes a large show of choice flowers at the store, all of its own growing.

Sunny Bank Greenhouses report good business, as do Skillin Bros., who are doing more business than last year.

N. W. Hannaford, of Gorham, has opened a store on Preble street, to be known as the Hiawatha Flower Store.

A.

RHINEBECK, N. Y.—Hubert Green, late of Elghmyville, has bought property here and intends starting in the violet growing business.

—THE—
J.M. McCullough's Sons Co.,
Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS
Columbus, Ohio

Weiland & Olinger

128 E. Third St., CINCINNATI, O.

Wholesale Growers and
Shippers of Cut Flowers.

ALFRED H. LANGJAHR

WHOLESALE FLORIST

Telephone 4626-4627 Madison Square.

55 West 28th St., NEW YORK.

50,000 EASTER LILIES.

EASTER will soon be here, only three more weeks. Now is the time for the Grower to consider how he will dispose of his stock to the best advantage. And the Retailer should give a great deal of thought to where he shall place his orders, where he can be confident that the consignor will only ship fresh stock. I can safely vouch that my Growers do not pickle, but ship regularly every day, and good fresh stock.

Easter coming much earlier this year, the weather is apt to be uncertain and cool, so that all the cut flowers should be of a more superior quality than heretofore, providing the Growers do not pickle same. Retailers should get in touch with the Wholesaler whose Grower will stand on his reputation. It is almost certain that at this Easter time, all crops are on and flowers of all kinds should be plentiful and reasonable, and of an exceptionally high grade all around. This will give the Retailer a fine opportunity to stock heavily on cut flowers and fill his orders to his Customers' and his entire satisfaction.

We wish to Offer for Easter the Following:

Richmond Roses, Marylands, Killarneys, Ivorys, Brides and Maids.

CARNATIONS: Afterglow, Victory, White Enchantress and Enchantress, White Lawson, Lawson and Patten. Oceans of Violets and Bulbous Flowers, Etc.

New York.

BETTER BUSINESS.

Business was quiet throughout the past week until Saturday, when there was quite a revival. Though prices did not advance to any appreciable extent, stock sold out better and there was evidence of something doing. American Beauty roses hold up well because good ones are scarce; 60 cents each is the ruling price for specials, and possibly a few are sold for higher figures, but they are the exception. There has not been a surplus of tea roses, but on the other hand, the demand has been light, consequently it has caused lively hustling to move now, a surplus of carnations, violets and tulips. Good carnations are selling for \$2 per 100; violets for 30 cents per 100, more or less, generally them all. There has been, and is less; tulips average \$1 per 100. We advise the people who are continually "knocking" on the wholesalers of this city and charging that the trade papers "stand in" with the wholesalers, to take a day off and visit this district. We feel sure that it would do them good. If any wholesaler can sell stock any cheaper than many are now compelled to sell it, pay commissions and rent and live, he is a wonder and should have a place reserved for him in the hall of fame. We had better get at the facts now, and the people who have taken up the growing of flowers with the expectation of making a fortune in a few years, had better get out or curb their ambition. It is but a plain statement of facts that the florist business is being greatly overdone. Expansion is good if it comes from a healthy growth, but the present condition of the cut flower business is not healthy. But this is a free country and we would much prefer to see a man burn up money

in the cut flower business than to see him burn it in the great White Way, where he is sure to get a headache.

On Washington's birthday there were hopes of at least average business. These were all blasted on account of the day opening with a pouring rain, which continued until noon. There was a surplus of nearly everything, and there is no help for it, as a bad storm always cuts in on counter trade. The amount of stock used in dinner decorations on such a day as this is insignificant. Many society people left town on Saturday. Carnations and violets were particularly noticeable in the surplus.

NOTES.

Herman C. Steinhoff, of West Hoboken, N. J., who ships to the New York Cut Flower Co., is now sending in Baby Rambler roses, finely flowered. A recent visit to his range showed that he has a great stock of pot roses, all in the pink of condition. These include his new Rambler, Agnes Steinhoff, which will be disseminated this year. Crimson Rambler, Magna Charta and a number of other good varieties. Among the rose stock, a noteworthy feature is a lot of American Beauties in pots. His lilies, hydrangeas, azaleas and other pot stocks are very fine, as is all his stock.

Chris. Monalons was arrested at Forty-second street and Fourth avenue, on the night of February 22, for selling flowers without a license. Chris. was mad clean through, and here are a few of the things he said: "This is a free country, huh? George Washington's birthday, huh? Father of his country, huh? Arrest a man for selling flowers on his birthday, huh?" With reference to the above it may be said that every man is supposed to obey the law.

Indications point toward good stocks of Easter plants, but there are doubts in regard to a large supply of lilies. Much lily stock seems backward and it is doubtful if it can be brought in by Easter. It is reasonable to suppose that what does come in will sell well. As an offset, it seems certain that there will be a good supply of pot roses, azaleas, hydrangeas, spireas and other pot stock.

Some of the proprietors of retail stores make a great outcry against street vendors. There is a remedy. They should buy up the stock and make it impossible for the street men to secure it. Under present conditions there are thousands of dollars worth of stock sold by the street men that would otherwise be lost. We must face conditions as they are; not as we wish to have them.

Wm. H. Young, the well known rose grower of Clifton, N. J., is now associated with his brother, John Young, in the management of the extensive rose range of the John Young Co., Bedford.

TERRE HAUTE, IND.—It is reported that Otto Heini will grow only a few chrysanthemums hereafter, devoting his attention mainly to chickens.

OSWEGO, N. Y.—The Campbell Flower and Seed Co. has incorporated with the secretary of state. The company is capitalized at \$10,000, divided into shares of \$10 each. The directors for the first year are Anna R. Partridge, Patrick G. Campbell, Charles J. Belinger, James Kelly and Harry E. Joy. The business, which has heretofore been conducted by P. G. Campbell, will be continued. The company will soon move from the present quarters of the western terminal of the lower bridge to the new building under course of erection on the river dock.

1887

Telephone 167 Madison Square.

1910

J. K. ALLEN, Wholesale Commission Florist,
Established 1887.
106 West 28th Street, NEW YORK CITY.

Open the year around to receive shipments of Cut Flowers.

Open Every Morning at 6 a. m.

Prompt Returns To Shippers

A. L. YOUNG & CO., 54 W. 28th St. and Manhattan Flower Market, 46 W. 28th Street, NEW YORK
Tel. 3559 Mad. Sq., Telephone 1016 Madison Square.
WHOLESALE FLORISTS. Consignments of Choice Cut Flowers Solicited. Prompt Payments. Give Us a Trial

Traendly & Schenck,
WHOLESALE FLORISTS,
44 WEST 28th STREET.
Phones, 798 and 799. **NEW YORK.**

CHARLES MILLANG Wholesale Florist

On the ground floor of New York Cut Flower Co. and Cut Flower Exchange,

26th Street and 6th Avenue and **NEW YORK**
444 6th Avenue,

Open from 6 a.m. to 6 p.m. The "Hub" of the Wholesale District.

Young & Nugent,
Telephone 2065-2066 Madison Square.

42 West 28th Street,
To out-of-town florists
We are in the Heart of **New York**

And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

Alexander J. Gullman,
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES, 1664-1665 MADISON SQUARE
ENOUGH SAID



Give us a
Trial.
We can
Please you.

Roses, Carnations and all kinds of
Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale
Commission Florists.
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

August Millang

WHOLESALE FLORIST

41 W. 28th St., NEW YORK

N.Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.

Open for Cut Flower Sales at 6 o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

V. S. DORVAL, Secretary.

B. S. Slinn, Jr.

WHOLESALE FLORIST

55 and 57 W. 26th St., NEW YORK

Telephones: 4620 4621 3864 Madison Sq.

VIOLETS CARNATIONS
AND ROSES

Shipping Orders Receive Prompt Attention.

BROOKLYN, N. Y.—James Park, who died here February 19, was a well known figure among florists and horticulturists. He was born in Scotland in 1844 and after coming to this country was gardener to Thos. A. Edison for several years.

Wholesale Flower Markets

| NEW YORK, Mar. 2. | |
|-----------------------------|----------------------------|
| Roses, Beauty, special. | 40 00@50 00 |
| .. fancy. | 25 00@35 00 |
| .. No. 1. | 10 00@15 00 |
| .. No. 2. | 6 00@ 8 00 |
| .. No. 3. | 2 00@ 3 00 |
| Bride, Bridesmaid, special. | 8 00@10 00 |
| extra and fancy. | 6 00@ 8 00 |
| No. 1 and No. 2. | 3 00@ 4 00 |
| Killarney, special. | 10 00@12 00 |
| extra and fancy. | 6 00@ 8 00 |
| No. 1 and No. 2. | 3 00@ 5 00 |
| My Maryland. | 4 00@12 00 |
| Richmond. | 3 00@15 00 |
| Carnations. | 50@ 2 00 |
| Callas. | per doz., 1 00@ 1 25 |
| Cattleyas. | per doz., 25 00@60 00 |
| Gardenias. | per doz., 2 00@ 4 00 |
| Hyacinths. | 1 00@ 1 25 |
| Lilium Longiflorum. | 5 00@ 8 00 |
| Lily of the Valley. | 1 00@ 2 50 |
| Mignonette. | per doz., 50@ 1 00 |
| Narcissus Paper White. | 1 00@ 1 50 |
| .. Yellow. | 1 00@ 2 00 |
| Sweet Peas. | per doz. bunches, 75@ 1 25 |
| Tulips. | 1 00@ 2 00 |
| Violets. | 25@ 50 |

| BUFFALO, Mar. 2. | |
|-------------------------|--------------|
| Roses, Beauty, special. | 5 00 |
| .. fancy. | 4 00 |
| .. extra. | 3 00 |
| Bride, Maid, Killarney. | 4 00@12 00 |
| Carnations. | 1 50@ 3 00 |
| Callas. | 10 00@12 00 |
| Daffodils. | 2 00@ 4 00 |
| Daisies. | 1 00@ 1 50 |
| Hyacinths, Romans. | 2 00@ 3 00 |
| Jonquils. | 3 00@ 4 00 |
| Lilium Longiflorum. | 12 00@15 00 |
| Lily of the Valley. | 3 00@ 4 00 |
| Mignonette. | 2 00@ 4 00 |
| Myosotis. | per bunch 25 |

FORD BROS.,

Receivers and Shippers of

Fresh Flowers

48 West 28th St., NEW YORK.

Telephone 3870-3871 Madison Square.

ALFRED H. LANGJAHR

WHOLESALE FLORIST,

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All flowers in season. Consignments of first class stock solicited.

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**Moore, Hentz
& Nash,**

WHOLESALE COMMISSION FLORISTS

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Telephone No. 756
Madison Square. **NEW YORK.**

Mention the American Florist when writing

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty. Roses, Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.

Walter F. Sheridan

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

39 West 28th St., NEW YORK.

—FLOWERS SHIPPED BY—

JOHN I. RAYNOR

Are the best product of the best growers for the New York market.

Adiantum Croweanum sold here exclusively.

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KESSLER BROS.

50 W. 28th St., NEW YORK.

CUT FLOWERS

Wholesale Plantsmen and Florists.

Phone 2336 Madison Shipments Everywhere. Prompt and satisfactory. Consignments solicited.

Greens! Greens! Greens!

Boxwood, per case, 50 lbs., \$6.00; 100 lbs., \$11.00
 Leucothoe Sprays, per 100, 50c; per 1000, \$4.00.
 Galax, green and bronze, per 1000, 75c; per case
 10,000, \$6.00.
 Wild Smilax, per 50-lb. case, \$5.00; 2 case lots,
 \$9.00; 4 case lots, \$16.
 Smilax, per dozen strings \$1.50.
 Fancy Eastern Ferns, per 1000, \$2.00; 5,000 lots,
 \$8.00.
 Green Sheet Moss, per bundle, \$1.00.
 Sphagnum Moss, per bundle, \$1.00.

William Murphy,

Wholesale Commission Florist.

L. D. Phone 311 Main St., Cincinnati, O.
 M 980.

WHOLESALE PRICE LIST.

Galax, Ferns and Leucothoe, direct from the
 woods to the dealer.

Galax, green and bronze, 50c per 1000; Ferns, dag-
 ger a d fancy, \$1.00 per 1000; Green Leucothoe
 Sprays, regular lengths \$2.00 per 1000; 10 to 15-in.
 \$1.00 per 1000; Bronze Leucothoe, regular lengths
 \$2.75 per 1000. Special prices on lots of 100,000 and
 up. Terms strictly cash, f. o. b. Elk Rapids, N.C.

North Carolina Evergreen Co., Banners Elk, N. C.

George Cotsonas & Co.

Wholesale and Retail Dealers
 in all kinds of
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Fancy and Dagger
 Ferns Bronze and
 Green Galax.
 Phone 1202 Mad. Sq.

Main Store, 50 W. 28th St., NEW YORK.

New Crop Ferns

FANCY and DAGGER ready May 1st.
 Special price for large orders
 Price \$1.25 per 1000.

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Covers all Points in Michigan. Best of
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 Always has the best of Everything.

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FRANK F. CRUMP,

Wholesale and Retail Florist.

MICHIGAN. Orders will be carefully
 cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS.

GEO. A. HEINL, Leading Florist,
 TOLEDO, OHIO.

All Orders Promptly Executed.

MILWAUKEE, WIS.—Hundreds of
 people are visiting the greenhouses at
 Mitchell park every Sunday and en-
 joying the fine show of spring flowers
 put up by Gardener Gerlach.



FANCY.

Henry M. Robinson & Co.

Wholesale Commission Florists.

Cut Flowers of all kinds, Hardy Cut Ever-
 greens and Florists' Supplies.

Dagger and Fancy Ferns \$1.50 per 1000
 Bronze and Green Galax \$1.00 per 1000; 8.50 per 10,000
 Leucothoe Sprays \$1.00 per 100; \$7.50 per 1000

Southern Wild Smilax, Branch Laurel, Laurel Festooning,
 Green and Sphagnum Moss, Boxwood Sprays,

A large stock constantly on hand. Can fill orders at a moment's notice, Telephone or telegraph.

Telephones: 2617-2618 Main; Fort Hill 25290.
 15 Province Street and 9 Chapman Place,

BOSTON, MASS.

FANCY FERNS, \$1.75 per 1000

New Crop Galax, Bronze or Green.....\$1.25 per 1000; 10,000, \$7.50

Sphagnum Moss, large bales\$1.25; 6 bales, \$7.00. Extra fine

Leucothoe Sprays, Green and Bronze.....\$1.00 per 100; \$7.50 per 1000

Boxwood..... per bunch, 35c; 50-pound case, \$8.50

Florists in the Middle and Western States can save money
 by placing their orders with us, A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists and Florists' Supplies,

38-40 Broadway,

All phone connections.

DETROIT, MICH

HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

Wholesale Flower Markets

St. Louis, Mar. 2.

| | |
|--------------------------------|-------------|
| Roses, Beauty, long stems..... | 25 00@35 00 |
| " " medium stems..... | 15 00@20 00 |
| " " short stems..... | 4 00@6 00 |
| " " Bride, Bridesmaid..... | 4 00@8 00 |
| " " Chatenay..... | 5 00@10 00 |
| " " Killarney..... | 5 00@10 00 |
| " " My Maryland..... | 5 00@8 00 |
| " " Richmond..... | 5 00@10 00 |
| Carnations..... | 1 00@1 50 |
| " " fancy..... | 2 00@3 00 |
| Callas..... | 10 00 |
| Easter Lilies..... | 10 00 |
| Hyacinths, Roman..... | 1 50@2 00 |
| Jonquils..... | 2 00 |
| Narcissus..... | 2 00@2 50 |
| Sweet Peas..... | 15@40 |
| Adiantum..... | 1 50 |
| Asparagus Sprengeri..... | 2 00@3 00 |
| Smilax..... | 12 50@15 00 |

CINCINNATI, Mar. 2.

| | |
|-----------------------------------|-------------|
| Roses, Beauty..... | 2 00@6 00 |
| " " Bride, Bridesmaid..... | 3 00@8 00 |
| " " Golden Gate..... | 3 00@8 00 |
| " " Killarney..... | 4 00@10 00 |
| " " Richmond..... | 4 00@10 00 |
| Carnations..... | 2 00@3 00 |
| Callas..... | 12 50 |
| Daisies..... | 50 |
| Hyacinths, Miniature Dutch..... | 4 00 |
| " " Roman..... | 3 00 |
| Lilium Longiflorum..... | 15 00 |
| Lily of the Valley..... | 4 00 |
| Narcissus, Paper White..... | 3 00 |
| Sweet Peas..... | 50@75 |
| Tulips..... | 3 00@4 00 |
| Violets, single and double..... | 1 00@1 50 |
| Adiantum..... | 1 00@1 50 |
| Asparagus Sprengeri, per bch..... | 25 |
| Smilax..... | 12 50@20 00 |

MILWAUKEE, Mar. 2.

| | |
|-------------------------------|---------------|
| Roses, Beauty..... | 1 50@5 00 |
| " " Bride, Bridesmaid..... | 5 00@12 00 |
| " " Killarney..... | 5 00@12 00 |
| " " Liberty, Chatenay..... | 2 00@8 00 |
| " " Perle..... | 4 00@10 00 |
| " " Richmond..... | 4 00@10 00 |
| Carnations..... | 1 50@4 00 |
| Freelias..... | 3 00 |
| Lilium Gigantum..... | 12 50 |
| " " Longiflorum..... | 12 50 |
| Lily of the Valley..... | 3 00@4 00 |
| Narcissus, Trumpet Major..... | 3 00@4 00 |
| " " Von Sion..... | 3 00@4 00 |
| Sweet Peas..... | 50@1 00 |
| Tulips..... | 2 00@4 00 |
| Violets..... | 50@1 00 |
| Adiantum..... | 1 50 |
| Asparagus..... | 50@60 |
| " " Plumosus, per bunch..... | 35@50 |
| " " Sprengeri..... | 35 |
| Ferns, Fancy..... | per 1000 2 00 |

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Mention the American Florist when writing

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

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Both L. D. Phones.

Supplies and Everything in Season always on hand

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Perpetuated and Natural Sheet

MOSSSES

Southern Wild Smilax:

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Seattle,
 Wash.

L. W. McCOY

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

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NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 467 and 488 38th St.

Cable address: ALEXCONNELL
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The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

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Matthews,

—FLORIST—
16 W. 3rd Street.

Flowers in any arrangement for all occasions,
for Dayton and vicinity. Long dis. Phones

St. Paul, Minn.

HOLM & OLSON, ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in
MINNESOTA AND THE DAKOTAS.

Los Angeles, Calif.

J. W. Wolfskill, FLORIST.

Telegraph Orders
A Specialty. 218 W. 4th St.

St. Paul, Minn.

L. L. MAY & CO.

Order your flowers for delivery
in this section from the

Leading Florists of the Northwest

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers and Boland
FLORIST

60 KEARNEY STREET.

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

Pittsburg, Pa.

H. L. BLIND & BROS.,

Two Stores: Liberty Av. & 5th St., 5424 Center Av.
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New York.

Established 1874.

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N. E. Corner 44th St.
and Madison Ave.

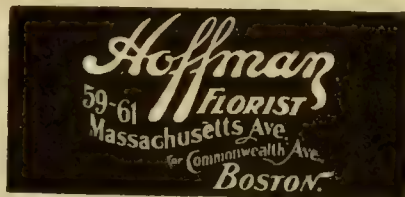
Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

New York.

A. J. Bunyard
FLORAL CO.

We Guarantee Satisfaction

413 Madison Ave. cor. 48th St.



Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on
Telegraphic Order.

11 NORTH PEARL STREET.

Portsmouth, O.

Business for this month has been fine, with plenty of stock excepting green. Lincoln's birthday and St. Valentine's day business was light to what it has been in other years. The greatest amount of work has been for funerals, as, owing to the lenten season, nothing has been doing along social lines. Quite a number of salesmen have been here this month looking up their trade. Weather conditions have been very unfavorable but we are looking for brighter weather from now on.

GLEN COVE, N. Y.—The following are the officers of the Nassau County Horticultural Society: J. Duthie, president; J. Ingram, recording secretary; O. Ador, corresponding secretary.

NEW CASTLE, IND.—The F. J. Bentley Floral Co. has sustained a serious loss in the breaking in of the roof of its new rose house through the heavy snow. Not only is the house ruined but thousands of young plants have been frozen up, including 20,000 young American Beauty roses and a large quantity of budding stock. The loss is placed at \$5,000. Otto Bentley says they will rebuild the house as soon as the weather permits.

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Kansas City, Mo.

Geo. M. Kellogg Flower and Plant Co.,
906 GRAND AVE.

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

Terre Haute, Ind.

John G. Heini & Son, 129 South Seventh St.

Telephone 247.

We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

Pittsburg, Pa.

A. W. SMITH CO.

KEENAN BLDG.

Largest Floral Establishment in America
Established 1874. Incorporated 1909.

Rochester, N. Y.

J. B. KELLER SONS, FLORISTS.

25 Clinton Avenue, N.

Rochester Phone 506. Long Dis. Bell Phone 2189

M. A. Rowe

IN HEART OF NEW YORK CITY

Phone 2270 38th St. 1294 Broadway
Our Motto—THE GOLDEN RULE

Kansas City, Mo.

Samuel Murray

..... FLORIST

1017 Broadway Coates House
Both Phones 2670 Main. Conservatory

Write, Telephone
or Telegraph.

All orders given prompt
attention.

Louisville, Ky.

Established 1880.

M. D. REIMERS

Successor to Chas. W. Reimers.

.....329 Fourth Avenue

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.

Wittbold
FLORIST

739 Buckingham Place,
L. D. Phone 558 Lake View.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Chicago.

HAUSWIRTH FLORIST

Auditorium Annex.

Mail, Telegraph or Telephone Orders Filled
Promptly in Best Style.

Cincinnati, O.

JULIUS BAER,

138-140 E. Fourth St.
Long Distance Phone.

New Orleans—

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838— CANAL ST.

Savannah, Ga.

JOHN WOLF,

Wholesale and Retail
FLORIST.

Kalamazoo and
Battle Creek, Mich.

H. A. FISHER CO.

Wholesale and Retail Florists.

We Handle Everything in Season.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in **Wisconsin.**

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled
promptly with the choicest stock.

**Washington,
D. C.**

14th and N Streets.

Blackstone

Also

1601 Eutaw Place,

Baltimore, Md.

Kansas City, Mo.

**WILLIAM L. ROCK,
Flower Co.,**

Will carefully execute orders for
Kansas City and any town in
Missouri, Kansas or Oklahoma.

St. Louis, Mo.

Write, Wire or Phone Your Orders to

YOUNGS

1406 Olive Street,

Regular discount allowed on all orders, either
Plants or Cut Flowers,
Phones Bell, Main 2306, Kinloch, Central 4981



FROM NEW YORK EXCEPT AS NOTED.
March 8.

Batavia, Ham.-Amer., 3 p. m., Hob. Pier.
Noordam, Holl.-Amer., 9 a. m., Hob. Pier.
K. Wil. Der Grosse, N. Ger. Lloyd, 10 a. m.,
Hoboken Pier.

March 9.

Lusitania, Cunard, 9 a. m., Pier 56, N. River.
FROM ST. JOHN, Pomeranian, Allan.

March 10.

LaSavoie, French 10 a. m., Pier 42, N. River.
FROM BOSTON, Pretorian, Allan, 9 a. m.

MARCH 11.

FROM ST. JOHN, Hesperian, Allan.
FROM ST. JOHN, Empress of Britain, Can.-
Pacific.

March 12.

Caledonia, Anchor, 9 a. m., Pier 64, N. River.
Perugia, Anchor, Pier 64, North River.
Adriatic, American, 10 a. m., Piers 48 & 49,
North River.
Vaderland, Red Star, 11 a. m., Pier 14,
North River.
President Lincoln, Ham.-Amer., 10 a. m.,
Hoboken Pier.
Berlin, N. Ger. Lloyd, 11 a. m., Hob. Pier.

Brooklyn, New York.

“WILSON”

3 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.

— Deliveries in —

NEW YORK, LONG ISLAND and NEW JERSEY.

New York.

MYER, FLORIST,

609-611 Madison Ave.

Phone 5297 Plaza.

Indianapolis, Ind.

Bertermann Bros. Co.

FLORISTS

.....241 Massachusetts Ave.

Omaha, Neb.

Hess & Swoboda

FLORISTS.

1415 Farnum St.

TELEPHONES
1501 and L 1583

Denver, Colo.

**The Park
....Floral Co.**

J. A. VALENTINE, President.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or
cable. Cable address “Daniels, Denver”

Toronto, Can.

Canada's best known and most reliable florist

Only
the **Dunlop's**
Best

96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Anderson, S. C.

THE ANDERSON FLORAL CO.

533 MARSHALL AVE.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

GREAT BRITAIN**WILLS & SEGAR,**

Royal Exotic Nursery,

Onslow Crescent. S. Kensington, London

FLORISTS TO HIS MAJESTY THE KING.

We shall be pleased to carry out commissions from our American confreres to deliver CUT FLOWERS, FLORAL BASKETS, DESIGNS, etc., to any part of Great Britain.

Cablegrams—"FLOSCULO, LONDON."

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**To **THOS. F. GALVIN, Inc.,**
124 TREMONT ST.

THE J. M. GASSER COMPANY,

CLEVELAND, O.

We Cover All Points in Ohio.

Washington, D. C.**Geo. C. Shaffer,**

== FLORIST ==

Phone 2416 Main 14th & Eye Sts., N. W.
Write, Telegraph or Telephone.**Buffalo, N. Y.**

Palmer's Flowers
of Quality
W. J. Palmer & Son.
304 Main St.

New York.

Established 1849

David Clarke's SonsFLORAL DECORATORS

2139-2141 Broadway

Telephones: 1552-1553 Columbus. Choice Cut Flowers

**WASHINGTON
D. C.****Gude's****The Ideal Red Carnation****O. P. BASSETT**

It has been the *Leading Red Carnation* in this market, bringing the highest price of any and selling the best. It has paid us more money per square foot of bench than any other variety. The flowers are 3 1-2 inches in diameter, a deep brilliant red, and borne on long stiff stems. Winner of First Prize everywhere. Rooted cuttings, **\$50.00 per 1000; \$6.00 per 100.**

Buy Direct From the Originators.**Bassett & Washburn,**Office and Store, 76 Wabash Ave., **Chicago.** Greenhouses, Hinsdale, Ill.

The Seed Trade.

American Seed Trade Association.

J. C. Robinson, Waterloo, Neb., Pres.; M. H. Duryea, New York, First Vice-Pres.; F. W. Bolgiano, Washington, D. C., Second Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.; Leonard H. Vaughan, Chicago, Asst. Sec'y. Twenty-eighth annual convention, at Atlantic City, N. J. June 21, 1910.

CHAS. P. BRASLAN expects to sail for Europe about April 1.

THE text of the New York State seed bill will be found on page 287.

DETROIT, MICH.—The American Seed Co. is airing some of its internal differences in court.

NEW YORK.—Henry Nungesser is recuperating at the Marlboro-Blenheim, Atlantic City, but expects to return to business soon.

W. ATLEE BURPEE & Co. have the back cover page of the March issue of Country Life for their advertisement in colors.

BATH, ME.—William R. Kimball, proprietor of the Pine Tree State Seed Co., has enlarged his business by the purchase of the Eastman Seed Co., of East Sumner, owned and operated by Mr. Eastman for 25 years.

SEEDSMEN, through their catalogues, should tell their patrons that if sufficiently strong demands are made on their congressmen there is no good reason why free supplies of new types of cattle, horses, sheep, hogs, poultry, machinery and implements cannot be obtained on the same basis as free seeds.

It is estimated that the seed contracts just let by the Department of Agriculture for delivery the end of the year will amount to something like \$115,000 of which about half went to California growers. A Boston seedsman received an order for 15,000 pounds of beet seed at 9½ cents, while a Toledo, Ohio, concern booked 5,000 pounds Brussels sprouts at 26 cents.

THE Commercial club of Omaha announced, February 21, that only 27½ per cent of the seed corn held by the farmers in Nebraska will grow. The corn in the northern part of the state is worthless for seed, while in the southern part farmers who have tested corn find they have none to sell. Railroad companies are sending out warnings against planting untested corn.

ROCKFORD, ILL.—R. H. Shumway has booked about 60,000 mail orders during January and February.

CHICAGO.—Contract prices on the board of trade March 2 for grass seed were noted as follows: Timothy, \$3.70. White clover, from 20 cents to 25 cents.—Visitors: Chas. P. Braslan, San Jose, Calif., returning from the east; C. N. Keeney, Le Roy, N. Y.

THE seed laboratory of the Bureau of Plant Industry, Department of Agriculture, Washington, D. C., in cooperation with the Agricultural Experiment Station of Purdue University, is establishing at LaFayette a seed-testing laboratory where seeds will be



The Late James J. H. Gregory.
See Obituary Page 268.

tested for germination and adulterants. Samples for testing should be addressed to the Agricultural Extension Department, Purdue Experiment Station, LaFayette, Ind.

H. SUZUKI, of the Yokohama Nursery Co., estimates that 7,000,000 lily bulbs were exported from Japan last season, including *L. auratum* and other garden varieties, his firm shipping 30,000 cases or approximately 4,000,000 bulbs. Mr. Suzuki, now in New York, will proceed to London about March 15 to take up the work connected with his country's horticultural display at the Japanese Exposition to be held at Shepherd's Bush, May to October.

The Business Situation.

Toronto, Ont.—The general outlook with the seed business, from a trade basis, is for a good average demand. Owing to the wet, backward planting season the past spring, considerable stock was carried over by the retailer in the heavier staples, but a large volume of repeat orders is anticipated. The demand for market garden supplies is good; it is a question of quality rather than cheap seed with the successful planter. With the heavy covering of snow everywhere, the catalogue trade is somewhat slow. European, as well as American grown supplies, are unusually short and it is seldom that a like general shortage has been known. While limited quantities of surplus stocks are being offered, prices are not so vital as the question of quality and vitality. A season like the present is the opportunity for the holders of old stock to unload. The planter requires to exercise caution.

Cleveland, O.—A. C. Kendel writes: "Our spring trade is not opening. We have had winter a continuous performance since December and last night another foot of snow fell on top of 40 inches of snow during the month of January, all of which rather discourages the making of hotbeds and gardens. We are not exactly disappointed for our stocks are nowhere near all in, a considerable shipment being on the way from abroad and a few items still owing. The groundhog had a chance to see his shadow three or four hours on February 2 and the weather-wise say that means six weeks more of winter."

Boston, Mass.—H. E. Fiske Seed Co. writes: "On account of its being so late when we mailed our catalogue we expected a falling off of our retail trade, but we find, instead, that it has greatly increased this year over last, both in the number of orders and the amount, and we are very pleased with the present outlook."—Schlegel & Fottler Co. writes: "The seed business of 1910 appears to be opening with unusual briskness, so far as our house is concerned. We are also pleased to say that last autumn's business was an improvement over that of the year previous."

Cincinnati, O.—J. Chas. McCullough writes: "Our trade is almost exclusively wholesale, and the greater part of our orders come from the jobbers. Our shipments so far are up to an average season, with more orders booked for early shipment than we have ever known before in the month of February. We are prepared for a rush of orders, and everything points our way for a full line of seeds, especially Kentucky blue grass and all natural grasses, as well as sunflower and poultry seeds."

New Orleans, La.—J. Steckler Seed Co. writes: "Business is opening up very nicely, and while we feel that it would have been still better had it not been for unfavorable weather conditions, we think that it will last longer now that it has started."

Louisville, Ky.—Wood, Stubbs & Co. state that the weather this season has been exceedingly bad for spring trade but, nevertheless, business shows quite a good increase over 1909. They are anticipating the best year they have had.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,
Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

Peas AND Beans

Alfred J. Brown Seed Co.,

Growers for the Wholesale Trade.
GRAND RAPIDS, MICH.



VAN ZANTEN BROTHERS

Royal Netherland Bulb Nurseries
and Export Trade.

HILLEGOM, HOLLAND,

Wholesale growers of the leading sorts of
Hyacinths, Tulips, Narcissus, Crocus,
Spireas, Gladiolus, Peonies, etc., etc.

Write our traveler, **MR. G. HYLKEMA**, care of
Messrs. Maltus & Ware, 14 Stone St., New York,
for Catalogue and Special prices of all

HOLLAND BULBS AND PLANTS

Mention the American Florist when writing

A BARGAIN**Gladiolus "1900"**

Brilliant, rich red color dark green
foliage. Fine for massing on the lawn
or in the park.

Healthy Bulbs

\$1.00 per 100; \$8.00 per 1000.

THOMAS J. OBERLIN,
SINKING SPRING, PA.

Mention the American Florist when writing

S. D. WOODRUFF & SONS,**SEED GROWERS**

Dealers in Garden, Field and Flower Seeds.

Specialties: Beet, Carrot, Corn, Peas,
Beans, Onion Sets and Seed Potatoes.
Catalogue free. Contracts taken.

82-84 Dey Street,

Orange, Conn. NEW YORK.

Mention the American Florist when writing

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomdale Farm. **Bristol, Pa.**

Mention the American Florist when writing

Fine Aster Seed

Catalogue Now Ready.

VICK & HILL CO.,

Box 613, Rochester, N. Y.

ESTABLISHED IN 1824.

Bridgeman's Seed Warehouse

RICKARDS BROS., Props.,

37 East 19th St., New York
bet Broadway and 4th Ave..

Telephone 4235 Gramercy.

Chicago.—Vaughan's Seed Store reports February business considerably behind that of last year, both in counter and retail. A temperature of 10 degrees below zero the last week of this month gave emphasis to the depression.

Marblehead, Mass.—James H. Gregory & Son write: "We consider our business this season equal to that of last. We are having 50 per cent more inquiries for catalogues and the prospects are good for a big trade."

Dreer's Double Petunias

OUR DOUBLE PETUNIAS, for more than half a century have been the acknowledged standard. The strain this season is equal in high quality to its predecessors, and is well known to the trade.

We offer 15 distinct varieties, in 2¼-inch pot plants, at 60c per dozen; \$4.00 per 100; the set of 15 varieties for 75c.

Seed of our **SUPERB STRAIN OF FRINGED PETUNIAS**. Double, 75c per 500 seeds; \$1.50 per 1000 seeds. Single, 50c per trade pkt.; \$1.00 per 1-16 oz.; \$1.50 per ½ oz.

The above prices are intended for the trade only.

Our Quarterly Wholesale Price List, issued January 1st, offers a full line of Seasonable Plants, Seeds and Bulbs.

HENRY A. DREER,

Philadelphia, Pa.

—FOR—
SEEDS
OF ALL KINDS APPLY TO
W. W. JOHNSON & SON, Limited,
Boston, England.

Mention the American Florist when writing

**STOCK SEED**

Fisk's Branching in all colors. Trade packet, 40c., oz. \$4.00.
Pure White, tr. packet, 50c., oz. \$5.00.
Also Beauty of Nice strains.

H. E. FISKE SEED CO.,
Boston, Mass.

CLEARING SALE**Perennial Rye Grass**

(Lolium Perenne). crop 1909. The heaviest seed ever imported, weighing 26 lbs. per bushel. Samples on request.; 1 lb., 6c; 100 lbs., \$5.50, f.o.b. New Orleans.

THE AVENUE FLORAL CO.,
3442 St. Charles Ave.. NEW ORLEANS, LA.

Floral Park, N. Y.—John Lewis Childs says business opens up slowly on account of hard winter all over.—Miss Mary E. Martin says orders are coming in about the same as last year this time.

Washington, D. C.—F. W. Bolgano & Co. write: "We find business in January far ahead of that of a year ago, but, on account of bad weather, February is not as good as last year."

JOHN BODGER & SONS CO.
Gardena, Calif.

Wholesale Growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena, in variety. Correspondence solicited.

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn. Correspondence solicited.

CHOICE GERMAN**FLOWER SEEDS**

Catalogue free on application.
Stamp letters 5 cents; foreign post cards 2 cents.

FREDERICK ROEMER,

Seed Grower, Quedlinburg, Germany.

SEEDS

Best that grow. We sell direct to gardeners and florists at wholesale. Big beautiful catalogue free. Write today.
ARCHIAS' SEED STORE, Box 50 Sedalia, Mo.

Market Gardeners

Greenhouse Vegetable Growers and
Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President;
Franklin DeKleine, Grand Rapids, Mich.,
Vice-President; S. W. Severance, 508 Illi-
nois Life Building, Louisville, Ky., Secre-
tary; M. L. Ruetenik, Cleveland, O., Treas.

VINCENNES, IND.—A loss of about \$2,000 was caused to Frisz Bros.' greenhouses just north of the city, February 16, by the heavy snow breaking in the roof. The house was only built last year and contained a crop of radishes.

SALEM, O.—Wm. Mundy, whose farm and greenhouses are located west of the city on the Stark electric, closed a contract with the H. J. Heinz Co., of Pittsburg, recently, whereby he agrees to grow and have ready for use not later than June 1, 350 000 tomato plants, which the Heinz company will distribute among farmers in this vicinity who have contracted to grow tomatoes for the big canning concern. The plants will be of the Stone or some similar smooth variety, the seed to be furnished by the Heinz company, and they will be grown under glass. Mr. Mundy has also contracted to grow three acres of tomatoes for the Heinz company on his farm.

Prices of Indoor Fruits and Vegetables.

New York, February 26.—Mushrooms, 40 cents per pound; cucumbers, 75 cents to \$2.50 per dozen; lettuce, \$1 per dozen heads; tomatoes, 25 cents to 30 cents per pound; radishes, 3½ cents per bunch; asparagus, green, \$6 per dozen bunches; white, \$7 per dozen bunches; rhubarb, Long Island, \$8 per 100 bunches; grapes, Gros Colman, 75 cents per pound; peaches, \$2 per dozen; Mint, \$1 per dozen bunches.

Chicago, March 2.—Mushrooms, 25 cents to 60 cents per pound; cucumbers, \$1.25 to \$1.50 per dozen; leaf lettuce, 40 cents per box; head lettuce, Florida, \$3.50 per hamper, Louisiana, \$5 and \$7 per barrel; tomatoes, 20 cents per pound; radishes, 50 cents per dozen; asparagus, 25 cents to 40 cents per bunch; grapes, Gros Colman, 75 cents per pound; rhubarb, 60 cents.

European Horticulture.

FROM THE FRENCH TRADE PAPERS.

Phlox Suffruticosa.—The Phlox suffruticosa varieties, being less well known than the taller decussata or common hardy phlox, merit special note at this season. They are characterized by a lower growth of 16 inches to two feet, allowing their use where the decussata varieties would be too cumbersome; they are of pyramidal growth and have an early period of bloom (April and May) as well as a tendency to bloom again in the fall. They are as hardy as the decussata sorts, as easy to grow, and are multiplied best, like them, by division. We append a list of meritorious varieties: Aimée Vibert (white), Belle Pramide (white), Burns (deep purple with a circle of white), Forward (currant red), Indian Chief (light purple), John Young (white), Lady Musgrave (violet, striped white), Magnificence (purplish rose, cerise center), Maculata (lilac striped), Miss Turner (white, red center), Mrs. Taylor (pale

WILDPRET BROTHERS

Largest Growers and Exporters of

Genuine
BERMUDA ONION SEEDS

HIGHEST
GERMINATION

White and Red
Bermuda.

EARLY
DELIVERY

Crystal Wax and
Golden Onion.

Let Us Book Your Order At Once
So As To Obtain Full Delivery.

Prices on Application.

We Supply Seedsmen Only.

Port Orotava, Teneriffe, Canary Islands.

Wanted

Contracts to grow all kinds of Vegetable Plants, transplanted or not. Also Geraniums, Coleus, Cannas, Salvias, Verbenas, Fancies, etc., for spring delivery. All stock only. Correspondence solicited.

Wholesale Florist,
Alonzo J. Bryan, Washington, New Jersey.

Pape & Bergmann,

Quedlinburg, Germany.

Elite Seeds of Flowers and Vegetables.

Specialties: Stock, Pansies, Cyclamen, etc.,
Cactus Dahlias, Bulbs, General Catalogue Free

D. J. TAMMINGA, ONION SET GROWER.

Sound Onion Sets for immediate or fall delivery.
Get my prices.

10818 Michigan Ave., CHICAGO.



Watch for our Trade Mark stamped
on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is
thus easily exposed. Fresh sample
brick, with illustrated book, mailed
postpaid by manufacturers upon re-
ceipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

pink) and Snowdon (fine white, extra
for cutting and free and early bloom-
ing).

Onion Sets

White Bottom
Yellow Bottom
Red Bottom

We are in position to quote advantag-
eous prices for immediate or March first
delivery. Write or wire for quotations.

Winterson's Seed Store,

45-47-49 Wabash Ave., CHICAGO.

CAULIFLOWER SEED CABBAGE SEED

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.

Logangstraede 20, COPENHAGEN, DENMARK

VEGETABLE PLANTS.

Cabbage, Wakefield and Succession. \$1.50 per
1000. Parsley, 25c per 100; \$1.25 per 1000.
Lettuce, Big Boston, Boston Market, Grand Rap-
ids, \$1.00 per 1000. Beet plants, \$1.25 per 1000.
—Cash with order.—

R. VINCENT, Jr. & SONS CO., White Marsh
Md.

The Florists' Market Place,
Our Ready Reference Ad. Dept



NORA UNWIN SWEET PEA.

| | | | |
|----------------------------|---|--------|--------|
| Flora Norton. | A very bright blue quite different from other blues, being a brighter blue and clearer color. | ¼ lb. | lb. |
| Flora Frazer. | An improved Blanche Ferry, with longer stems, true to type. | \$0.10 | \$0.30 |
| Frank Dolby. | Largest and best pale lavender. | .15 | .40 |
| King Edward VII. | The best of the dark red. | .25 | .80 |
| Lady Griselda. | The best of all lavender sorts. | .10 | .30 |
| Lord Nelson. | Improvement on navy blue color, rich navy blue. | .10 | .40 |
| Lovely. | Shell pink, extra fine. | .10 | .30 |
| Mont Blanc. | An early-flowering white, for forcing. | .10 | .35 |
| Mrs. George Higginson, Jr. | Clear azure blue. | .10 | .25 |

Vaughan's Sweet Peas

SPENCER AND UNWIN TYPES.

| | ½ oz. | 1 oz. | ¼ lb. | lb. |
|-------------------------------|---|--------|--------|---------------|
| Apple Blossom (Spencer). | Primrose, with rose standard | | \$0.25 | \$0.80 \$3.00 |
| Asta Ohn (Spencer). | The best lavender in the Spencer selections | \$0.40 | .75 | |
| Blanche Ferry (Spencer). | Pink and white Spencer type | .25 | .50 | |
| Countess Spencer (Variety). | Bright clear pink | .10 | .35 | 1.25 |
| Dainty (Spencer). | White with very light pink edge | .23 | .85 | 3.20 |
| Florence Morse (Spencer). | Delicate bluish with pink margin | .15 | .40 | 1.60 |
| George Herbert (Spencer). | Bright rose carmine | .15 | .40 | 1.60 |
| Gladys Unwin. | One of the finest pinks in existence | .10 | .20 | .50 |
| King Edward VII (Spencer). | Deep rich carmine scarlet | .30 | .50 | 1.60 |
| Mrs. Alfred Watkins. | Superb pale pink | .10 | .20 | .60 |
| Mrs. Sankey (Spencer). | A black seeded pure white | .50 | | |
| Mrs. Walter Wright (Spencer). | Rose purple | .40 | | |
| Nora Unwin. | The best white | .10 | .20 | .60 |
| Paradise. | A dark shade of pink | .10 | | .80 |
| Primrose (Spencer). | | .10 | .20 | .60 |
| Princess Alice (Spencer). | Light rosy mauve | .15 | .40 | 1.40 |
| Princess Victoria. | White bluish and pink edged Spencer | .15 | .50 | 1.80 |
| Ruby (Spencer). | Scarlet Spencer | .40 | 1.50 | |
| Sutton's Queen. | Primrose edged in margin with buff | .15 | .45 | 1.60 |
| White (Spencer). | Flowers absolutely pure white | .10 | .20 | .60 |

STANDARD VARIETIES.

| | ¼ lb. | lb. |
|---------------------------------------|---|--|
| Blanche Ferry. | Pink and white. | \$0.10 \$0.20 |
| Bolton's Pink. | Pink shaded rose, of immense size. | .15 .50 |
| Bride maid. | This is a deep bright pink | .15 .40 |
| Dainty. | Large pure white tinted with pink | .15 .35 |
| Dorothy Eckford. | One of the best of all the white. | .10 .30 |
| Emily Henderson. | White, early and free. | .10 .25 |
| Evelyn Wyatt. | Rich fiery orange; very striking and unique. | .15 .40 |
| Prince of Wales. | Deep rose | .10 .25 |
| Salopian. | Rich deep scarlet | .10 .25 |
| Queen Alexandra. | Giant size; best scarlet. | .0z., 10c .15 .40 |
| Shasta. | Giant flowered white | .15 .40 |
| White Wonder. | Pure white, of the largest size | .15 .40 |
| Vaughan's Florist Mixture. | This mixture is made up by ourselves from separate colors, carefully proportioned of the best cut flower sorts and colors, and includes this year some of the best Spencer varieties. | |
| ¼ lb., 20c; lb., 80c; 5 lbs., \$3.50. | | |
| Eckford Mixture. | This mixture contains over thirty varieties, including novelties of 1909. | Per ¼ lb., 10c; lb., 25c; 10 lbs., \$2.00. |

VAUGHAN'S SEED STORE,

25 Barclay St., NEW YORK. 84-86 Randolph St. and 202 W. Randolph St., CHICAGO.
"Spring Book for Florists." Ask for it.

NEW YORK SEED BILL.

Introduced by Mr. Callan—Read Once and Referred to the Committee on Agriculture.

AN ACT. To amend the agricultural law, in relation to inspection and sale of seeds.
The people of the State of New York, represented in Senate and Assembly, do enact as follows:

PAGE 1.

Section 1. Article fifteen and sections three hundred and forty and three hundred and forty-one of chapter nine of the laws of nineteen hundred and nine, entitled "An act in relation to agriculture, constituting chapter one of the consolidated laws," are hereby renumbered to be article seventeen and sections three hundred and sixty and three hundred and sixty-one, respectively.
Sec. 2. Such chapter is hereby amended by adding thereto a new article to be article sixteen thereof, to read as follows:

PAGE 2.

ARTICLE 16.

INSPECTION AND SALE OF SEEDS.

SEC. 360. Inspection and sale of seeds. No person shall sell, offer, expose or have in his possession for sale for the purposes of seeding, any seeds or cereals, grasses, clovers or forage plants in quantities exceeding one pound, unless every receptacle, package, sack or bag containing such seeds, or a label securely attached thereto, is marked in a plain indelible manner as follows; and said marks shall be on the receptacle, package, sack or bag itself if there is more than ten per centum of injurious foreign seed:
a. With the full name and address of the seller.
b. With the name of the kind or kinds of seeds, except in the case of mixtures prepared for special purposes, when so labeled,

and the name of any foreign injurious seeds present to the extent of five per centum or over by count and the name and per centum of the following adulterants, if present, which adulterants shall not be taken into consideration when estimating the five per centum hereinbefore referred to:
19 Yellow trefoil in red clover.
20 Yellow trefoil, burr clover, sweet clover or dodder, in alfalfa.
21 Canadian blue grass in Kentucky blue grass.
22 Meadow fescue or rye grass in orchard grass.
23 Yellow trefoil in alsike clover.
c. With the claimed per centum of purity of the sample by count which shall be not more than five above the per centum determined by official examination.

PAGE 3.

SEC. 361. Samples, publication of results of examinations.
1 Samples of seed shall be taken in duplicate, both samples to be sealed promptly and one to be tendered and, if accepted, to be delivered at the time of taking to the person apparently in charge and a receipt taken therefor, unless refused. No action shall be maintained for violation of this statute if the seed was not sold or exposed for sale. The commissioner of agriculture is hereby authorized to publish from time to time the results of seed examination, together with the names and addresses of dealers from whom the samples examined were taken.
11 SEC. 3. This act shall take effect July first, nineteen hundred and ten.

EXPLANATION.—Matter in italics is new; matter in brackets () is law to be omitted.

The Nursery Trade

American Association of Nurserymen.

F. H. Stannard, Ottawa, Kans., President;
W. P. Stark, Louisiana, Mo., Vice-President;
John Hall, Rochester, N. Y., Sec'y.
Thirty-fifth annual convention to be held
at Denver, Colo., June 8-10, 1910.

VISITED CHICAGO: Herbert Chase and family, enroute to their home in Colorado.

LINCOLN, NEB.—Yale Bros., of this city, says the Star, have recently acquired a third interest in the Harrison nursery at York.

A WELL illustrated bulletin on "The Euonymus Scale" has been issued by the Department of Agriculture, bureau of entomology.

HARRISBURG, PA.—The Franklyn Davis Nursery Co., of Baltimore, has purchased a farm of Mrs. Coder here and will at once commence raising nursery stock.

WEST GROVE, PA.—The Conard & Jones Co. is making quite a feature of the "blue" rose (Veilchenblau) and has a large stock of it. The company has been exhibiting it locally.

GRAND RAPIDS, MICH.—Wencil L. Cukerski has about 70 acres of land close to the city, where he intends carrying on a general nursery business, and especially landscape work, laying out private estates, cemeteries, railroad yards, etc. He has also about 18,000 feet of glass for plants and cut flowers.

BROOKINGS, S. D.—N. E. Hansen, secretary of the South Dakota Horticultural Society, recently returned from Siberia, where he went as agricultural explorer, has sent out a new fruit list and a list of new alfalfas found by him in his travels. Among the fruits listed and illustrated are Opata, Sapa, Hanska, Pansota and Cheresoto plums and some hardy strawberries. These and many other hardy things are offered for sale, and those interested should write Mr. Hansen for a list.

Miami Valley Nurserymen's Association.

At the meeting of the Miami Valley Nurserymen's Association held at Dayton, O., and which adjourned February 17, the following officers were elected:

J. Siebenthaler, Dayton, President.
F. Bolender, Tippecanoe City, Vice.
M. F. Gainer, Xenia, Sec'y-Treas.

Nursery Stock Inspection Bill.

ED. AMERICAN FLORIST:—

You probably are aware that the Simons bill known as H. R. 15656, requiring dock inspection of all imported nursery stock at ports of entry is still pending before the committee of agriculture and will likely come up for hearing at this session of congress. This bill is ineffective and impossible of execution, as you will see by the enclosed copy of resolutions and explanatory letter sent to the committee by the Horticultural Importers Association. Not one-tenth of the cases arriving could be properly inspected and the contents of cases unpacked would be practically worthless when released. We ask that you help protect nursery interests by using your

influence in having the Simons bill withdrawn and substituting in its place the bill prepared by the American Association of Nurserymen and which was endorsed by the Association of Horticultural Inspectors, as this bill provides for proper inspection without unnecessary loss.

MC HUTCHEISON & Co.

New York, February 26, 1910.

EXPLANATORY LETTER.

I have the honor to enclose a copy of a resolution passed at a special meeting of the Horticultural Importers' Association, held in New York, February 1, voicing their disapproval of bill known as H. R. 15656, regarding inspection of foreign nursery stock, which I understand is now before you for consideration. The following facts will, I think, prove to you that the above measure is "impracticable" and "impossible of execution." The arrivals at the port of New York for the past 11 days of French nursery stock were as follows—which is about the average weekly shipment for the past three months.

| | Cases. |
|---------------------------------|--------|
| Per S. S. Mexico, Jan. 20.... | 927 |
| Per S. S. Oceanic, Jan. 24.... | 20 |
| Per S. S. New York, Jan. 29.... | 22 |
| Per S. S. Florida, Jan. 31.... | 406 |

1,375

Each case contains 10-15,000 seedlings (some cases contain 40,000) so that the 1,375 cases contain an approximate total of 17,000,000 seedlings, valued, when shipped, at approximately \$60,000, or at the dock, New York, approximately \$100,000, which includes about \$26,000 paid to the United States government in import duties.

The above shipments represent almost exclusively seedlings from France (representing raw material for nurserymen) which cannot be produced in the United States. The import duty exceeds in some instances 200 per cent of foreign cost. The seedlings are packed tightly by means of machinery and appliances in paper-lined cases and unpacking in transit would greatly damage contents even if they could be repacked into the same cases.

Entry has to be made and duty paid to the United States customs within 48 hours to comply with customs' regulations. The cases must be removed within three or four days to comply with steamship regulations and a glance at above figures will prove to you that it cannot be done, even though the present congestion on the docks be entirely overlooked.

I shall be pleased to answer any questions you may wish to ask or give you any further information within my power. Like fleas on a dog, insect pests should be killed, but I do not see why a valuable dog should be killed to get rid of a few fleas, when the fleas are not harmed by the killing of the dog anyway.

RESOLUTIONS.

Whereas: In January, 1909, a bill known as H. R. 27367 was introduced into the United States congress, providing for the inspection of nursery stock at ports of entry of the United States, which bill passed the house—was before the senate and was being considered before the nurserymen had knowledge of it.

And Whereas: The legislative committee of the American Association of Nurserymen at that stage, receiving information that such a bill was being considered, secured a hearing before the committee on agriculture, Dr. Howard, the framer of the bill being present, and after lengthy argument succeeded in having the bill withdrawn

on the understanding that the legislative committee of the American Association of Nurserymen would prepare a new bill which would be acceptable to Dr. Howard and the nurserymen of the United States.

And Whereas: The nurserymen did prepare such a bill, having the endorsement and approval of the American Association of Nurserymen and the Association of Horticultural Inspectors, but though repeated efforts have been made to arrange a conference with Dr. Howard—those efforts so far have been without result.

And Whereas: On December 16, 1909, a bill known as H. R. 15656, was introduced into the house by Mr. Simons, the text and purport of which is exactly the same as the former bill known as H. R. 27367 and to which the nurserymen and kindred interests so strongly objected.

Therefore Be It Resolved: That the Horticultural Importers' Association here assembled, protests against the passage of Bill H. R. 15656 as being impracticable and in the present congested condition of the New York docks impossible of execution without large unnecessary losses being incurred—and as the nurserymen's bill provides for adequate inspection at destination—which we believe to be the only practical and effective way—we strongly urge that the bill prepared by the legislative committee of the American Association of Nurserymen be substituted for H. R. 15656.

And Be It Further Resolved: That the secretary of this association be authorized to forward a copy of this resolution to the Hon. Chas. F. Scott, chairman of the committee on agriculture, The Hon. W. W. Cocks, of New York, and the other members of the committee on agriculture.

Milwaukee's Needs.

The metropolitan park commission of Milwaukee, of which C. B. Whittall is a member, in a late report to the city council, discusses the part played by the ordinary type of park, of which Milwaukee has several, in meeting the recreation needs of the city, and calls attention to the good done by the smaller playgrounds, but it urges that to meet more completely the needs of people in congested

For Immediate Delivery ROSES

Dormant, field grown, own roots

Sweetheart, Tausendschon, T. Blumschen, Barbier, 20c each.

La Fiamma, Trier, Dorothy Perkins, Lady Gay, Debutante, Hiawatha, 12c each.

Clematis Paniculata Field Grown

1-year 6 cents. 2-year 10 cents

Dutch Hyacinths.

Named varieties, single and double, 45 kinds, First size bulbs, \$6.00 per 100; extra large exhibition size, \$10.00 per 100.

Chinese Sacred Lilies

\$3.00 per 100; \$25.00 per 1000.

Hydrangea Paniculata Grandiflora
18 to 24 ins.....6c. 2 to 3 feet.....9c

Viburnum Plicatum.

2 to 3 feet.....12c. 3 to 3½ feet...15c

Write for our special prices on Hardy Shrubs.

THE DINGEE & CONARD CO.,
West Grove, Penna.

FOREST TREE Seedlings

We Have Millions of Seedlings

BLACK LOCUST, CATALPA SPECIOSA, Red Bud, Sweet Gum, Persimmon, Poplar, Ash, Elm and various other seedlings at very low prices.

A large stock of transplanted 2 to 6 ft. **Hamelis Virginiana**; **Cascanthus**, sweet shrub, 6-in. to 3 ft.; **Spica Van Boutei**, 2 to 2½ ft.

Fine Stock. Send for List.

FOREST NURSERY & SEED CO.
McMinnville, Tenn.

Apple Root Grafts

In most any quantity. Write us or prices on varieties wanted. We offer also a choice stock of hardy home grown

APPLE SEEDLINGS

Clean, healthy and strong roots grown from **French Crab Apple Seed**. Roots that will please everybody. Will mail samples to buyers of large quantities.

FARMER SEED & NURSERY CO., Faribault, Minn.
Successors to Gjestrum, Olinger & Evans.

JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture.

Jacs Smits & Co., NAARDEN, (Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in pots, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Price List Free on Demand.

A Hardy Coming Hedge.

GOLDEN PRIVET

Ligustrum Ovalifolium Aureum,

1000 field grown three year old, \$40.00 per 100.

6000 in 2-in. pots \$5.00 per 100.

BERTERMANN BROS. CO., Indianapolis, Ind.

Eugene Pitou, Jr. CIVIL ENGINEER and Landscape Architect.

Phone Barclay 6084—229 Broadway, New York
Designs, Estimates, Construction of Grounds.

Raspberry Plants

Kansas, Gregg, Cumberland, Cuthbert, Turner, Miller, Palmer.
25c per doz. by express; 35c per doz. by mail.

CHARLES C. NASH, Kalamazoo, Mich.

sections, recreation centers must be established similar to those in which Chicago has taken the lead. They are necessary to counteract the devitalizing and demoralizing effects of city and industrial conditions, the report holds, and cites the experience of Chicago to prove it.

The report submits a general plan of a center: "There should be provided a library and reading room, facilities for bathing for both sexes; separate playground for young children outdoors, and a winter kindergarten; playground for larger children; ball ground for summer, the same used for skating in winter, outdoor gymnasiums for summer and inside for winter; two or three game rooms, an auditorium and a lunch room."

BOBBINK & ATKINS

Nurserymen and Florists, RUTHERFORD, N. J.

Choice Evergreens and Conifers,
Shade and Ornamental Trees,
Herbaceous Plants.

Large collection of **DECORATIVE PLANTS**, such as

Palms, Ferns, Bay Trees, Etc.

ASK FOR WHOLESALE CATALOG



Pink Climbing Rose— Dorothy Perkins

Without doubt the most valuable of all the new Climbing Roses of comparatively recent introduction. The beauty of the double pink flowers is admirably set off by the rich green foliage, which is free from the attacks of insects.

In addition to this charming kind, we have all the popular varieties in climbing and bush Roses. Our General Catalogue, which will be mailed on request, contains descriptions of all the best Roses—also

Fruit and Ornamental Trees, Shrubs and Hardy Plants.

ELLWANGER & BARRY,
Mount Hope Nurseries, Rochester, N. Y.

"FLOWER OF FAIRFIELD"

The "Everblooming Crimson Rambler." The Best Climbing Rose in the market, flowering during the whole summer in large clusters of most crimson color.
Price for first rate plants with 3 to 6 shoots, open ground grown, \$11.00 per 100 \$100.00 per 1000. Extra strong plants, from 5 and more branches, at \$15.00 per 100. Package free, cash with order only.

Schultheis Bros., The "Old" Rose Gardens, at STEINFURTH, near Bad-Nauheim, GERMANY.

STOCK FOR FLORISTS

ROSES for Forcing—Hybrid Perpetuals and Ramblers, all the best ones; fine, strong stuff.
Clematis, Ampelopsis, Tree Hydrangeas and Lilacs,
Shrubs, Vines and Perennials. Write for prices.
PALMS—Kentias in 2½-inch pots, \$8.00 per 100; \$75.00 per 1000.

JACKSON & PERKINS CO., Newark (near Rochester), New York
Nurserymen and Florists. Wholesale only. Use printed stationery.

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

Peonies. ..

Lucretia Dewberry

In large quantities. If in need write

GILBERT H. WILD, Sarcxie, Mo.

Phoenix Nursery Company

Nurserymen and Florists
BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for spring issued Feb. 1st



Arbor Vitæ

(Thuya Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees,

Write for descriptions and prices.

The Wm. H. Moon Co.,
MORRISVILLE, PA.

DAHLIAS

Jack Rose and other best Cut Flower varieties. Write for list and prices.

PEACOCK DAHLIA FARMS

Williamstown Junction, N. J.

New Berries

Send for our up-to-date tested
Berry Plant Catalogue.

Berrydale Experiment Gardens, Holland, Mich.

Newest Rose 1910

S. A. VOSTERS & SONS, Riel, Holland,

Offers Autumn delivery, 1910, his elegant new rose

White Caroline Testout

Orders will be booked now. Prices, Dwarf, **5 shillings.**

AGENTS WANTED TO SELL IN THE U. S.

CARNATION BAY STATE

~~~~~\$3.00 Per Hundred.~~~~~

**H**AVING bought a large stock of this new Variegated Carnation last year, we can offer first-class rooted cuttings of this variety at \$3.00 per 100. Also rooted cuttings of **Beacon, Enchantress, Rose Pink Enchantress, Victory, White Enchantress, White Perfection, Winona, Winsor,** at \$3.00 per 100. Unrooted cuttings, \$2.00 per 100. Reduced prices made on large orders. Send orders as early as possible.

**FRESH CUT FLOWERS** shipped to all parts of New England and Canada. **High Grade Carnation Blooms** our specialty; shipped direct from the grower to the retailer at wholesale price.

**SHEPARD'S GARDEN CARNATION CO. 292 Fairmont Street, LOWELL, MASS.**

### Cincinnati.

#### TRADE MORE ACTIVE.

Trade has been more active the past few days and as some stocks did not arrive in large quantities, it kept some of the retailers on the anxious seat. Shipping business was very erratic, a good demand one day, hardly any the next. It seems as though 90 per cent of the orders from out of town would arrive after five o'clock in the afternoon and it takes considerable hustling to secure good stock with which to fill them. The market is pretty well supplied with American Beauty roses, while teas are a little scarce. Carnations are to be had in quantity, but there are too many splits in the lot. A good supply of bulbous stock, such as daffodils, tulips, freesias and Paper White narcissus is always available and miniature Dutch were added to the list the past week. Violets, both single and double, were in over supply all week, but this can be attributed to the demand which was anything but encouraging. There were enough sweet peas for all requirements. The same may be said of callas and Longiflorum lilies and on only one occasion there was not enough valley for all orders. Asparagus plumosus remains scarce, otherwise green goods of all kinds are in ample supply.

The bowling club met again Monday evening, February 28, and while there were no records smashed, still some very good scores were made. At the next meeting, March 14, the Cincinnati

## Carnations ROOTED CUTTINGS

|                                                                                                 | Per 100 | Per 1000 |
|-------------------------------------------------------------------------------------------------|---------|----------|
| Mrs. C. W. Ward .....                                                                           | \$12 00 | \$100 00 |
| Alma Ward .....                                                                                 | 15 00   | 125 00   |
| Mrs. J. C. Vaughan, Bay State, Georgia and O. P. Bassett .....                                  | 6 00    | 50 00    |
| White Enchantress, Beacon, Robert Craig, Afterglow, Rose Pink Enchantress and Harlowarden ..... | 3 50    | 30 00    |

**New Crop Early Flowering Single Chrysanthemum Seed**  
and **Gold Medal Pentstemons**

at 25c and \$1.00 per package.

**CHARLES H. TOTTY, Madison, N. J.**

Florists' Society will do the elegant and furnish the lunch, refreshments and cigars, and we look for another good attendance. There are certainly some good bowlers in our midst and we look forward to a few comers.

Gus Meier, of the Hyde Park Rose Co., is on the sick list and Miss Edith Kyrk of Avondale is also suffering with the grip, but she says that it will take something worse than that to put her out of business.

Albert McCullough, president of The J. M. McCullough's Sons Co., has returned from Florida and looks as though his little rest has done him a world of good.

Wm. Murphy is handling some of J. A. Peterson's Lilium longiflorum and also some fine tulips, hyacinths

and yellow narcissus from Gus Adrian's place.

The best single daffodils coming to this city are from the establishment of Weiland & Olinger at New Castle, Ind., and fetch topnotch prices.

J. T. Herdegen, of Aurora, Ind., was a caller on Friday and he took a nice lot of flowers home with him for a large funeral order.

E. G. Gillette is strong on choice American Beauty roses, which he is handling for the Heller Bros.' establishment.

Miss Anna Weiland, of Evanston, Ill., is visiting with her sister, Mrs. P. J. Olinger this week.

C. C. Murphy is cutting the finest snapdragon coming to this market at present.



## WINNERS

Read  
Their  
Record

Pittsburg, Jan. 26, 1910

S. A. F. Silver Medal for best vase of 50 not yet disseminated—Mrs. C. W. Ward.

S. A. F. Bronze Medal for second best vase of 50 not yet disseminated—Alma Ward.

Best 100 light pink—Mrs. C. W. WARD.

Best 100 white—Alma Ward.

Special Sweepstake Prize for best vase of any color—Alma Ward.

## FORMER AWARDS:

## MRS. C. W. WARD

American Florists' Society Silver Medal.....Boston, 1906  
 The Craig Cup for Best Seedling.....Philadelphia, 1906  
 The Lawson Bronze Medal.....Washington, 1908  
 The Horticultural Society of New York, Silver Medal, Sweepstake Prize  
 for best 100 blooms.....New York, 1909  
 The Horticultural Society of New York, Diploma for Best New  
 Variety.....New York, 1909

## MRS. C. W. WARD

MRS. C. W. WARD is a perfectly formed flower with full center; color deep pink; several shade lighter than Lawson, deeper than Winsor; having strong, erect stem 24 to 36 inches in length. A vigorous, healthy grower and has never shown disease of any kind.

A very early and free bloomer, producing fine flowers as early as September 1 which bring twenty-five to fifty per cent. more than any other variety on the market.

Rooted Cuttings, \$2.00 per 12, \$12.00 per 100, \$100.00 per 1000.  
 25 at the 100 rate. 250 at the 1000 rate.

Delivery Feb. 20.

INVITATION.—We extend a cordial invitation to all those interested to visit our establishment where they will have an opportunity to see these varieties growing and compare their good points with other standard varieties grown under the same conditions.

COTTAGE GARDENS CO, Inc., Queens, Long Island, N. Y.

## ALMA WARD

The Lawson Silver Medal.....Toronto, 1907  
 (No Gold Medal having been awarded)

The Lawson Gold Medal.....Washington, 1908

The American Florists' Society, Silver Medal.....Washington, 1908

## ALMA WARD

This beautiful Carnation is pure white, except during dark weather when it shows delicate splashes of pink similar to the Cattleya increasing its popularity.

ALMA WARD is the largest, most fragrant Carnation ever grown, producing perfect flowers  $3\frac{1}{2}$  to  $4\frac{1}{2}$  inches in diameter, on strong, erect stems, 36 to 42 inches in length.

Rooted Cuttings, \$3.00 per 12, \$5.00 per 25, \$9.00 per 50, \$15.00 per 100, \$35.00 per 250, \$65.00 per 500, \$120.00 per 1000.

Delivery March 1.

## Vaughan's Special Offer

We extend you a cordial invitation to visit our Greenhouses and Nurseries, where you can see for yourself our immense stock of Palms, Araucarias, Ferns and other Decorative plants. Western Springs is one-half hour ride from Chicago on the C., B. & Q. R. R. Call at our City Store and get ticket.

## Plants in Bloom for Easter

## ROSES

|                                 | Each             | Doz. |
|---------------------------------|------------------|------|
| Lady Gay, 6, 7 and 8 in. pots   | \$0 75 to \$5 00 |      |
| Crimson Rambler, 5-6 in. pots   | 50 to 1 50       |      |
| Crimson Baby Rambler, 4-in pots | 25               |      |
| 5 in. pots                      | 50               |      |
| Tausendschon, 5-6 in. pots      | 50 to 1 00       |      |

|                              | Each   | Doz.   |
|------------------------------|--------|--------|
| Genista Racemosa, 4 in. pots | \$0 30 | \$3 25 |
| 6-in pots                    | 75     | 8 00   |

|                                        |    |      |
|----------------------------------------|----|------|
| Marguerite Queen Alexandra, 4-in. pots | 25 | 2 50 |
| Spirea Japonica, 6-in                  | 25 | 2 50 |

## PELARGONIUMS

We have extra strong fine plants. Per 100  
 2 1/4 in. pots \$10 00  
 3 in. pots 12 00  
 See catalogue.

## BOSTON FERNS

|            | Each   | Doz.   | 100    |
|------------|--------|--------|--------|
| 3 in. pots | \$0 15 | \$1 25 | \$8 00 |
| 4-in. pots | 25     | 2 50   | 20 00  |
| 5-in. pots | 40     | 4 50   | 35 00  |
| 6-in. pots | 75     | 8 00   | 60 00  |
| 7 in. pots | 1 00   | 10 00  | 75 00  |
| 8 in. pots | 1 25   | 14 00  | 100 00 |

We have a fine lot of Palms in all sizes.  
 See catalogue.

## ASPARAGUS

|                            | 100    | 1000    |
|----------------------------|--------|---------|
| Asp. Sprenger, 2 1/2 in.   | \$3 00 | \$25 00 |
| " 3 in.                    | 5 00   | 45 00   |
| " 4 in.                    | 10 00  |         |
| Asp. Plumosus Nanus, 2 in. | 3 00   | 25 00   |
| 2 1/2 in.                  | 4 00   | 35 00   |

|                                | Doz.   | 100 |
|--------------------------------|--------|-----|
| Bush Box Trees, 15-18 in. high | \$4 00 |     |
| 20-24 in. high                 | 8 00   |     |

Smilax, extra strong.  
 2 1/2 in. 1000, \$20 00 3 00

## CROTONS

We offer a choice collection of fancy sorts.

|            | Each   | Doz.   |
|------------|--------|--------|
| 3-in. pots | \$0 20 | \$2 00 |
| 4-in. pots | 35     | 3 50   |
| 5-in. pots | 50     | 6 00   |
| 6-in. pots | 1 00   | 10 00  |

|                          |        |  |
|--------------------------|--------|--|
| Aspidistra, variegated.  | Each   |  |
| 5-in. pots, 6-8 leaves   | \$1 00 |  |
| 6-in. pots, 10-12 leaves | 1 50   |  |
| 7-in. pots, 18-20 leaves | 2 00   |  |

|                          |      |  |
|--------------------------|------|--|
| Aspidistra, Green.       |      |  |
| 5-in. pots, 6-8 leaves   | 75   |  |
| 6-in. pots, 10-12 leaves | 1 00 |  |
| 7-in. pots, 18-20 leaves | 1 50 |  |

|                                  |        |  |
|----------------------------------|--------|--|
| Aralia Elegantisima, fine stock. | Each   |  |
| 5-inch                           | \$1 00 |  |
| 6-inch                           | 1 50   |  |

|                              |      |       |
|------------------------------|------|-------|
| Aucuba, Japonica variegated. | Each | Doz.  |
| 18 in. high                  | 55   | 5 00  |
| 24 to 30-in. high            | 1 50 | 15 00 |
| Aucuba, Japonica type.       |      |       |
| 18-in. high                  | 1 00 | 10 00 |

SPRING "BOOK FOR FLORISTS!" ASK FOR IT.

## VAUGHAN'S SEED STORE,

NEW YORK.

All Plants f. o. b. Western Springs, Ill.

CHICAGO.

Robert Craig Co...

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

Neph. Whitmani

2 1/4 in. .... 5.00 per 100  
 MAGNIFICA (new), 2 1/4 in. .... 25.00 per 100

Boston Ferns 2 1/4 in., \$3.00 per 100.

Henry H. Barrows &amp; Son, Whitman, Mass

WANTED

Orders for high grade stock of Roses, Cannas, Dahlias, Ferns, Ficus, Asparagus,

See classified department for prices.

Wagner Park Conservatories, Sidney, O.



## San Francisco.

## TRADE KEEPING UP WELL.

Business on the whole has kept up fairly well, although we are now in the lenten season. Flowers which have been very scarce, are now coming in great quantities and prices have taken a considerable drop; especially is this true of narcissi, violets, carnations, lilies, freesias, etc. Lily of the valley, tulips and roses are selling at fair prices. Adiantum and Asparagus plumosus have been quite scarce articles of late owing to damage by frost during January. Those growers who are able to heat their houses are now reaping the benefit that this shortage occasioned. Wild flowers and fruit blossoms have also made their appearance in the stores and are adding variety to the stock carried.

The first annual banquet was given by the Pacific Coast Horticultural Society, in the Palace hotel. President V. Matraia, acting as toastmaster, welcomed the members and guests of the society, after which they sat down to a menu as only the Palace hotel can furnish. After the inner man was satisfied, the toastmaster called upon a number of those present for speeches. Past President Plath gave a brief history of the society, its aims and what it had accomplished during the eight years it has been in existence. As state vice-president of the Society of American Florists, he also urged all those in the trade to become members of that society. R. W. McLellan, and P. Ferrari spoke for the growers. A. Rossi, C. Shellgrain, F. Shibley, A. Figoni for the retailers. D. MacRorie spoke about the future of the orchid, and F. Schlotzhauer about conditions and prices in the New York market. J. R. Atkinson and T. Taylor entertained those present with recitations and some amusing stories. An excellent string orchestra supplied music during the evening. There were quite a number of other speakers, in fact, so many that some of those present did not get home till next afternoon.

## NOTES.

At the last meeting of the Pacific Coast Horticultural Society the newly elected officers were installed by the retiring president, H. Plath, who had occupied the chair as president for over five years. Five new members were elected the same night, which brings the membership of the society to close on 100.

Another retailer has gone out of business; this time it is the Sievers Floral Co., who made an assignment to E. W. Gunther. The liabilities are \$4,500, with nominal assets.

Pelicano, Rossi & Co. are erecting a 6-story building on their lot on Powell street, the first floor of which will be occupied by this firm as a first-class retail store.

Dan MacRorie is reported to have bought 15 acres of land near Burlingame and will build six greenhouses during the summer to grow orchids for this market.

Visitors: R. Armstrong, Los Angeles; Dr. Parker, the orchid grower of Santa Cruz; Guy M. Reburn, representing Vaughan's Seed Store, Chicago.

P.

TRENTON, N. J.—John Morgan, Sr., who resides with a married daughter at Rusling street, and who was for many years assistant gardener at the state house, celebrated his seventy-ninth birthday anniversary February 10, surrounded by his own immediate family, and in a quiet, unostentatious manner. Mr. Morgan enjoys fairly good health and boasts that he can walk without the use of a cane.

## Headquarters for

## EASTER PLANTS

Prepare for Easter. From Whom Will We Purchase Our Easter Supplies?  
An Immense Stock of Choice Easter Plants Now Ready for Immediate Shipment.  
Blooming Easter Week or Before if Desired.

"From whom shall we purchase our Easter supply this season?" That seems to be the cry all over the country. "We have tried so many already. I know what I am going to do," some sensible man says. "I shall go back to Godfrey Aschmann. He is the best and most reliable man in the business. What he advertises he has and there is no bluff about it. I tell you his usual stock of Azaleas can't be beat, and the Lilies he has this spring are the finest I have ever seen. No wonder. He imports them direct from Japan. He has a friend in Japan who looks after his interests and sends him the cream of Japan's plants. He has enough to supply all, and I tell you no lie when I say that his other plants such as Hydrangeas, Cinerarias, Spireas, Ficus, Palms, Hyacinths, Tulips, Daffodils, Etc., are of such excellent quality that they will make a man's mouth water, and they are so remarkably cheap that we often wonder how he can do it."

## AZALEA INDICA

We are headquarters for these plants for the past twenty-five years. We make a specialty of importing large quantities of this so well known favorite Easter novelty. Grown for us in Ghent, Belgium, by an Azalea specialist. Have now three houses full of the choicest. Only well known American varieties are imported. They are planted in the fall, as soon as they arrive from Belgium, into 6, 7 and 8 in. pots, placed in greenhouses and kept cool during winter. They are now in excellent condition, covered with buds, just right for Easter.

Please bear in mind facts mostly unknown to some Azalea growers) that fully 30 to 40 per cent of the newly imported Azaleas in dormant state will lose their buds and foliage during the long transportation of the sea voyage and during winter up to Feb. 1 and have to be kept over for another year.

We only ship good stock and full of buds and flowers, and therefore you can't expect Azaleas at this time to be as big and as cheap as if you would buy them in dormant state in the fall.

What is the name of the best double pink Azalea? Mme. Van der Cruysen is the name. Originated by the well known Azalea specialist, Mr. Van der Cruysen of Belgium. Millions are raised every year and shipped into every part of the globe from Belgium. We have a big stock on hand of this well known variety. Every plant is as round as an apple, covered with buds, just right for Easter. Have all sizes, 75c. \$1.00, \$1.25, \$1.50, \$1.75 to \$2.00 each.

In large sizes we have the following varieties, full of buds: Bernard Andreas Alba, pure white; Niobe, double white; Helena Thielmann, pure light pink, very fine; Souv. Memoire de Van Houtte, very large flowers, double pink; Empress des Indes, large flowering, double variegated; Dr. Moore, double pink; Mme. Van der Cruysen, best of all the pink; Apollo, red; De Schryveriana, double, large, variegated. Price, \$1.50, \$2.00, \$2.50 to \$3.00.

In smaller sizes we have the following varieties, full of buds: Mme. Van der Cruysen pink; Deutsche Perle, pure double white; Verveneana, double variegated, one of the old standard varieties; Apollo, red; Simon Mardner, double pink; De Schryveriana, large double variegated; Empress des Indes, double variegated; Niobe, double white. Price, 60c, 75c, \$1.00, \$1.25 to \$1.50. Professor Wolters a well known variegated bright variety, at \$1.00, \$1.25 to \$1.50.

When we are out of one color we send the next similar color; also if we are out of the size ordered, we send the next size, either above or below the price mentioned.

Moonvines (Ipomoea Multiflora) best white Moonvine, for which we have a world wide reputation now ready. 2½ in. pots, \$5.10 per 100.

Begonia New Improved Erfordi, 5 in., \$2.00 per doz.; Begonia Flambeau, 5 in., \$2.00 per doz.

Spirea Gladstone. This variety, owing to the dry summer in Holland last year, is very scarce this Easter but we were fortunate enough to secure sufficient to fill our usual house, and the plants are now in fine condition, full of buds, just right for Easter. 6-7 in. pots, 75c to \$1.00 each.

Primula Obconica, 5 in. pots, \$2.00 to \$2.50 per doz.

Double Daffodils, Von Sion best yellow, 3 double-nosed bulbs in a 6 in. pot, \$2.50 per doz. pots.

Tulips, Murillo (double pink) 3 bulbs planted in a 4 in. pot, \$2.00 per doz. pots. Tournesol Tulips (double variegated), 3 bulbs in a 4 in. pot, \$1.50 per doz. pots; ready in bloom for Easter.

Hydrangea Otakasa, already forced into buds just right for Easter, 6-7 in. pots, 35c, 50c, 75c, \$1.00 to \$1.50 each.

Kentia Forsteriana, 6-7 in. pots, 35 40 50 in. high, perfect leaves, \$1.25 \$1.50 \$2.50 to \$3.00; 4 in., 20c. Kentia Belmoreana, 6 in., large stock, \$1.25 to \$1.50; 4 in., 20c to 25c; 3 in., 10c.

Ficus Elastica (Rubber), 5½ to 6 in. pots 25c to 30c.



If you would know the fairest sight your eyes can ever see.

Where the most perfect plants are grown, to Aschmann's come with me.

Why? Never since flowers began to bloom was such a glorious show.

Of all the best that florists need found in one place to grow.

The lilies are the very best yet seen on Easter day. Azaleas are whole sheets of flowers, perfect in every way.

The Araucarias matchless are, so are the ferns, all green.

With bulbs, and plumed Spirea, the best you've ever seen.

And Aschmann gives a challenge, let every florist hear.

For flowers or prices, either, no rival does he fear.

If you wish to gather dollars, like violets in the spring.

Then send your largest order, his plants the cash will bring.

## EASTER LILIES

Lilium Multiflorum, the genuine Japanese Easter Lily, directly imported by us. We have a friend in Japan who looks after our interests there. He picks out for us only the good, healthy ones, and marks them while they are growing, the 10-in. bulbs and therefore he ships us the cream of the plants of Japan. We have Lilies this year to burn; can supply, if nothing happens, every customer and others who want Lilies. 9 to 10 in. bulbs of Lilies were difficult to get from Japan last fall, but we were one of the fortunate ones to receive all the 9-10 in. Lilies (5,000) ordered last spring, 1909, from our grower in Japan. If you see them growing in our greenhouses, you must all admit they are "cracker-jacks"; we sell them cheap, too. Where other florists get 15c per bud, we only charge you 10c per bud for plants in 6 in. pots, having 5, 8, 10 and more buds to the plant. Plants under 5 buds, 12c per bud, 6 in. pots.

When ordering lilies a reasonable amount of other plants should be taken. We do not solicit orders for lilies alone.

Hyacinths, 4 best colors, King of the Blues Grand Maitre (light blue) La Grandesse (best white), Gertrude (best pink), 4 in. pots, \$12.00 per 100.

Asparagus Plumosus Nanus, 3 in., \$5.00 per 100 2½ in., 3c; 4 in., 10c. Asparagus Sprengeri, 3 in., large plants 7c; 4 in., 10c.

Cineraria Hyb. Grandiflora, H.F. Michell's new improved strain. Our plants of this strain are twice the size of those of other years, with perfect, large, green foliage. Some of the plants are almost as large as a bushel basket. 6 in. pots, 25c, 35c, 50c, 75c to \$1.00 each.

Areca Lutescens, 5 in. pots, three plants in a pot, 35c.

Whitmani Ferns, 7 in., 75c to \$1.00.

Neph. Amerpholli, 5½, 5½ to 6 in. pots 30c, 40c and 50c; 6 in., 60c to 75c.

Cocos Weddelliana, 3 in., 15c.

Ferns for Dishes, \$3.00 per 100.

Have an Immense Stock of Easter Plants.

This is our catalogue.

Please state if in or out of pots. All goods must travel at purchaser's risk only. Cash with order, please. No references will be investigated.

GODFREY ASCHMANN, 1012 W. Ontario St., Philadelphia, Pa.

Importer, Wholesale Grower and Shipper of Pot Plants.



# PALMS

## Extra Good Values in Palms For Easter....

Stock in Perfect Condition

### KENTIA BELMOREANA.

|                                                |        |
|------------------------------------------------|--------|
| 6-in. pots, 6 leaves, 20-24 in. high.....      | \$1 00 |
| 7-in. pots, 6 to 7 leaves, 24-26 in. high..... | 1 50   |
| 7-in. pots, 6 to 7 leaves, 26-28 in. high..... | 2 00   |
| 8-in. pots, 6 to 7 leaves, 32-34 in. high..... | 2 50   |
| 8-in. pots, 6 to 7 leaves, 34-38 in. high..... | 3 50   |

### KENTIA FORSTERIANA.

|                                                |        |
|------------------------------------------------|--------|
| 6-in. pots, 6 leaves, 34-36 in. high.....      | \$1 50 |
| 7-in. pots, 6 to 7 leaves, 36-40 in. high..... | 2 50   |
| 8-in. pots, 6 to 7 leaves, 40-44 in. high..... | 3 50   |
| 8-in. pots, 6 to 7 leaves, 44-48 in. high..... | 4 50   |
| 10-in. pots, 6 to 7 leaves, 51½ ft. high.....  | 8 00   |

### Made-up Kentia Forsteriana.

Strong, bushy plants, 3 plants to a tub.

|                                          |        |
|------------------------------------------|--------|
| 7-in. tubs, 40-44 in. high.....          | \$4 00 |
| 8-in. tubs, 44-48 in. high.....          | 5 00   |
| 10-in. tubs, 44-48 in. high (heavy)..... | 6 00   |
| 10-in. tubs, 48-52 in. high (heavy)..... | 7 00   |
| 10 in. tubs, 50-54 in. high (heavy)..... | 8 00   |

### PHOENIX ROEBELENI.

5-in. pot plants, nicely characterized.....\$1 00 each; \$10 00 per dozen



**THE STORRS & HARRISON CO., Painesville, O.**

#### Cleveland.

##### ROSES SHORT.

There is an abundance of stock on hand of all varieties, with the exception of roses. These, especially in the shorter grades, for funeral work, are a little shy of the demand. Asparagus is still very scarce. Adiantum is more plentiful, and of good quality. Fancy and dagger ferns are keeping as good as expected. String smilax is selling quickly. Sweet peas are a little short in the stem. Carnations have been over plentiful during February. Lent and the extremely cold weather have not been conducive to good business. Callas and Easter lilies are becoming plentiful and meet with a good demand. Rubrum lilies do not seem to have a very good demand. Violets are selling well. Valley and orchids drag a little. A fine new lot of boxwood is now in.

##### NOTES.

All are cordially invited to attend the bowling matches at Schwartzberg's alleys, Sheriff street, opposite old Market house every Wednesday evening, between the wholesale and retail florists. Refreshments and a good time generally is assured to all.

Frank Friedley, of the J. M. Gasser Co., served a chicken dinner to about 20 of his florist friends on Sunday. A look through the greenhouses and a sociable game of cards made a very enjoyable time.

Westman & Getz, 5923 Euclid avenue, have the unusual distinction of being the only flower store in the city which does not open its doors for business on a Sunday.

The wife of John Leuschner, Rocky River, has been ill for some time.

C. B.

## White Killarney, My Maryland, Pink Killarney

Rooted cuttings and 2½-in. plants. Booking orders now for future deliveries.

The Right Place — The Right Goods — The Right Prices — Come and See Them Grow.

|                     | R. C.  |         | 2½-inch |         |                     | R. C.  |         | 2½-inch |         |
|---------------------|--------|---------|---------|---------|---------------------|--------|---------|---------|---------|
|                     | 100    | 1000    | 100     | 1000    |                     | 100    | 1000    | 100     | 1000    |
| White Killarney ..  | \$6 50 | \$60 00 | \$8 50  | \$75 00 | Richmond.....       | \$3 50 | \$30 00 | \$5 50  | \$50 00 |
| Grafted,            |        |         | 14 00   | 125 00  | Maids.....          | 3 00   | 25 00   | 5 00    | 45 00   |
| Pink Killarney .... | 4 00   | 35 00   | 6 00    | 55 00   | Brides ..           | 3 00   | 25 00   | 5 00    | 45 00   |
| Grafted,            |        |         | 12 00   | 110 00  | American Beauties.. | 4 00   | 35 00   | 7 00    | 65 00   |
| My Maryland..       | 4 00   | 35 00   | 6 00    | 55 00   |                     |        |         |         |         |
| Grafted,            |        |         | 12 00   | 110 00  |                     |        |         |         |         |

Maids and Brides grown to order only.

Maids and Brides grown to order only.

3½-in. sizes will be offered, when ready, at 40% increase over 2½-in.

You cannot afford to buy poor stock at 5% less.

**POEHLMANN BROS. CO., Morton Grove, Ill.**

## SHASTA

We are now shipping fine strong cuttings of **Shasta** as fast as they are ready to come out of the cutting bench. We have enough orders booked to take all that will be ready up to Feb. 15. If you want late February delivery you should get your order in at once. Come and see it growing; once you see it, you will want to grow it.

**\$12.00 per 100; \$100.00 per 1000.**

Send all orders to

**BAUR & SMITH, Indianapolis, Ind.**

#### Lake Geneva, Wis.

At the annual election of the Lake Geneva Gardeners' and Foremen's Association, the following officers were elected for the ensuing year: James Livingstone, president; Robert J. Sampson, vice-president; A. J. Smith, secretary; Raymond Niles, treasurer. The meetings of the society will be held as usual on the first and third Saturday of each month.

L.

GOSHEN, IND.—Johnson & Son have leased a room at the building at 111 East Washington street and will conduct their business from there.

EAST HADLEY, MASS.—The Montgomery Rose Co. is at work on the new range of greenhouse, which it is building here. The greenhouses will have steel frames, and will require 130,000 pounds of glass, covering 65,000 square feet.



## Verbenas for Everybody....



Of the finest varieties that ever grew  
70c per 100; \$6.00 per 1000.

Mums, the good kind, \$1.25 per 100; \$10.00 per 1000.

Daisies, white and yellow, \$1.00 per 100; \$8.00 per 1000. Our big double Giant Alyssum, 80c per 100 \$7.00 per 1000.

Feverfew, \$1.25 per 100; \$10.00 per 1000.

We prepay express charges on all rooted cuttings and guarantee satisfaction. C. very strong, \$2.25

Enchantress Carnations, R. per 100: \$20.00 per 1000.

C. HUMFELD, The Rooted Cutting Specialist, CLAY CENTER, KANS.

## DBLE. PETUNIA

2-in. \$2.00 per 100

Smilax, 2-in., \$1.25 per 100. Abutilons, 3 kinds. 2-inch. 2½c. Cuphea, 2-in., 1½c. Polinsettias, stock plants. 5c. Geraniums, Double Grant, Castellaine, Buchner Gen. Grant 2-in., 2c. Coleus, 10 kinds. Ageratum, 3 kinds, \$1.50 per 100. Swainsonia alba, 2-in. 2c. Snapdragon, white and scarlet, 2-in. 2c.

## PRIMULA

Primula Obconica, 2-in., 2c; 4-in., in bud and bloom. 8c.

Rooted Cuttings, prepaid per 100. Heliotrope, \$1.00; Fuchsia, 8 kinds, \$1.00; Paris Daisy, yellow, white, \$1.00; Cuphea, 75c. Vinca Variegata, 90c; Coleus, 10 kinds 60c; Alternanthera, 3 kinds, 50c; Ageratum, 3 kinds 60c; Swainsonia alba, \$1.00; Dbl. Petunias, 10 kinds, \$1.00.

Cash with order.

BYER BROS., Chambersburg, Pa.

## Chrysanthemums.

All orders booked now for Early Delivery.

Write for Catalogue.

ELMER D. SMITH & CO.  
ADRIAN, MICH.

Mention the American Florist when writing

## Orchids..

We have changed our domicile from Secaucus, N. J. to Mamaroneck, N. Y. We are largest collectors and importers of Orchids and are now booking orders for all the commercial Cattleyas for delivery next spring

CARRILLO & BALDWIN, Mamaroneck, N. Y.

## BAY TREES.

Standards, Pyramids and Columns.

## ORCHIDS

DIRECT FROM THE WOODS Cattleya Trianae, C. Gigas and other commercial varieties.

JULIUS ROEHRS CO., Rutherford, N. J.

## Orchids



Arrived in fine condition: Cattleya Warnerii, C. Harrisoniae, C. Gaskelliana and C. Gigas (Hardyana type); also Dendrobium Phalaenopsis Schroederianum and Odontoglossum luteo-purpureum.

Lager & Hurrell, Summit, N. J.

## CANNAS

F. O. B. New York or Chicago.

## For Immediate Delivery.

Some varieties are getting low and sold out. Order now and avoid disappointment.

We are the largest handlers of Cannas in the world. Our prices upon Cannas will bear comparison with any house in the Canna business. Stock unequalled.

## RED-FLOWERING CANNAS.

|                                  | 100.   | 1000.   |
|----------------------------------|--------|---------|
| Louisiana, 7 ft. ....            | \$1.75 | \$15.00 |
| A. Bouvier, 5 ft. ....           | 1.50   | 14.00   |
| Beaute Poitevine, 3½ ft. ....    | 2.00   | 17.50   |
| Black Prince, 3 to 4 ft. ....    | 2.25   | 20.00   |
| Chas. Henderson, 4 ft. ....      | 1.75   | 15.00   |
| J. D. Eisele, 5 ft. ....         | 1.75   | 15.00   |
| Exp. Crampbell, 5½ ft. ....      | 1.50   | 14.00   |
| Pres. McKinley, 2½ to 3 ft. .... | 1.50   | 14.00   |

## RED, GOLD-EDGED AND SPOTTED SHADES.

|                                | 2.75 | 25.00 |
|--------------------------------|------|-------|
| Gladiator, 4 ft. ....          | 2.75 | 25.00 |
| Indiana, 3 to 4 ft. ....       | 1.75 | 15.00 |
| Queen Charlotte, 3½ ft. ....   | 2.25 | 20.00 |
| Mad. Crozy, 5½ ft. ....        | 2.25 | 20.00 |
| S de A. Crozy, 4 to 5 ft. .... | 2.75 | 25.00 |

## PINK SHADES.

|                          | 2.00 | 17.50 |
|--------------------------|------|-------|
| Louise, 5 ft. ....       | 2.00 | 17.50 |
| Mlle. Berat, 4½ ft. .... | 1.75 | 15.00 |

**STUDY THIS.**—Our Cannas are true to name—2 and 3 sometimes 4 eyes—are sound dormant, and are packed 250 in a box; two can be "cleated" together and shipped as one. One box of 250 sold at 1000 rate; it is cheaper for you to buy a box than 200 at 100 rate. Write for special prices on large lots

Chicago and Western Agents For Our Cannas

WINTERSON'S SEED STORE,

45-47-49 Wabash Ave.,

Chicago, Ill.

Arthur T. Boddington,

342 West 14th Street. Seedsman, NEW YORK.

## ORCHIDS

To Arrive in Six Weeks.

Absolutely fresh stock, f. o. b. New York.

Cattleyas, 15 varieties, 50,000 plants.

Vandas, Phalaenopsis, 5 varieties.

Dendrobiums, 10 varieties, 5,000 plants.

Miltonias, Laellias, Oncidiums, etc.

Commercial Varieties in quantity. Write

G. L. FREEMAN CO.,

Successors to G. L. Freeman, Fall River, Mass.

## ORCHID PEAT, (Osmunda Fibre)

Finest quality, hand cleaned, free from sticks and dirt.

In chunks or handpicked ready for use.

Also Rotted and Azalea Peats, Leaf Mold, Live or Baled Sphagnum Moss.

Prices and samples on application.

C. W. BROWNELL & CO.,

WALDEN, N. Y.

## JOSEPH HEACOCK CO.

WYNCOTE, PA.

Growers of Fine Kentias

Send for Price List.

## SHAMROCKS

We have 25 000 True Irish Shamrocks for your St. Patrick's Day trade in toy 1 in. pots at \$4.00 per 100; \$35.00 per 1000; 1½ in. pots at \$4.00 per 100; \$35.00 per 1000; 4-in. pans at \$12.50 per 100. Cash with order. Get in line now for some extra money on March 17th. LEONARD COUSINS, JR., Telephone connections, Concord Junction, Mass



**Rooted Carnation Cuttings**

For Immediate Delivery.

**ENCHANTRESS, PERFECTION, BEACON**, \$3.00 per 100; \$25.00 per 1000.**ROSE PINK and WHITE ENCHANTRESS, WINSOR**, \$2.50 per 100; \$20.00 per 1000.

We can fill orders from 1000 to 100,000 and guarantee the stock.

**J. D. THOMPSON CARNATION CO., JOLIET, ILL.****LILIES**

We offer you lilies for immediate shipment with buds in shape so they will be open for Easter at 12½¢ per bud.

**Azaleas**, at 75c, \$1.00, \$1.25 and \$1.50 each.**Hyacinths**, 4-in. pots at \$10.00; 5-in. \$15.00 per 100.**Paper Whites, Narcissus, Von Sion and Miniature Hyacinths**, 5-in. \$20.00; 6-in. \$25.00 per 100.**Obconica and Chinese Primroses**, 3-in. \$7.50; 4-in. \$10.00.**Cyclamen**, in 3-, 4-, 5- and 6-in.**Baby Ramblers**, 3-in. \$12.50; 4-in. \$25.00; 5-in. 40 to 50c; 6-in. 50 to 75c.**White Ramblers, Hermosa and Souper's** the same.**Spireas**, 25c, 35c, 50c and 75c each.**Hydrangeas**, 4-in. 25c; 5-in. 40 to 50c; 6-in. 50 to 75c; 8-, 9- and 10-in. in large specimen plants with 10 to 20 heads at \$2.00, \$2.50, \$3.00, \$3.50 each.

Besides these we will have a nice stock of miscellaneous plants that will be in bloom for Easter.

—Write—

**GEO. A. KUHL, Pekin, Ill.****FUCHSIAS**There are none better than **Little Beauty, Lord Byron, Renan and White Beauty**. Strong 2½ inch plants ready \$4.00 per 100 New Heliotrope, Miss Bernice a sport of Mme. Brunt and a great improvement on the latter 2½ inch \$8.00 per 100.

Catalog for the Asking.

**SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.**

Pittsburg.

Another week of sackcloth and ashes has gone by and the depression caused by Lent is felt very heavily throughout the country. Without the funeral work business would be at a standstill. The retail stores are crowded with fine stock of all kinds. A trip among the wholesalers finds them somewhat worse. Carnations seem to be suffering most of any stock coming in. Never before have the receipts of split carnations been so heavy as now. It is reported that some of the commission houses are delivering carnations on consignment to the retail stores. That tells pretty well the conditions here. The only things scarce are good green and long green.

**NOTES.**

John Foss, Etna, who has been in the hospital the past three months, has taken a turn for the worse, and may lose his arm. This is the result of a rose thorn.

The Florists' and Gardeners' Club held its monthly meeting March 1, in the Dutch room, Fort Pitt hotel.

W. Carney, of the J. B. Murdoch Co., has the sympathy of the trade in the loss of his father.

Frank Faulk, of Faulk Bros., is back at his business again after a long illness.

**Mary Tolman**

Deep flesh that does not fade in the strongest light; clean grower; rigid stem; perfectly formed flowers; good producer.

Cuttings ready now, \$12.00 per 100; \$100.00 per 1000. Guaranteed in every way.

**CHICAGO CARNATION CO., Joliet, Ill.****A. E. HUNT & CO., Evanston, Ill. HUNT BROS., Park Ridge, Ill.****CONQUEST**

Light pink overlaid with deep rose. The most valuable and attractive carnation on the market. Very free; long stiff stems; large well built flowers. It pays to grow this variety.

Winner of First prize wherever shown.

Rooted Cuttings Guaranteed

Ready now, \$12.00 per 100; \$100.00 per 1000.

**Chicago Carnation Co., A. T. PYFER, Joliet, Ill. Manager.****Sangamo****Brilliant Glistening Pink.****Winner Wherever Shown.**The most prolific and fastest growing carnation of any; very clean, upright grower, long stiff stems; **never splits**; flowers nicely fringed and well rounded out. It is not too late to get cuttings of Sangamo, the most prolific carnation grown. Our best plants we propagated in March last year. Prompt delivery; Cuttings guaranteed.

\$12.00 per 100; \$100.00 per 1000.

**A. C. BROWN, CHICAGO CARNATION CO. Springfield, Ill. Joliet, Ill.****JUANITA, (Wah-nee-ta)** A grand scarlet Carnation, with about a 3½-inch flower, well built up with a two foot stem.

**Its Strong Points Are:** Abundance of large, high grade flowers at all times; stem very stiff with good habit in every way; keeping qualities are wonderful; burst blooms are rare. We have grown it years and will still grow as many as we have now. We have **never over propagated** it, so its vitality is not impaired. Cuttings will be taken from flower stems which are the best. The color is so bright and rich it takes with every one. We have a very large stock. **Price:** Rooted cuttings \$8.00 per 100; \$66.00 per 1000. Special price in large lots. Unrooted stock half price. A discount of 5% for cash.

**THE FILLow FLOWER COMPANY,****Westport, Conn.****Cannas**

King Humbert. Alphonse Bouvier.  
Chas. Henderson. Mile. Berat.  
Ex. Crampbell. Florence Vaughan.  
Mad. Crozy. Souv. de Antoine Crozy.

Write for special prices, stating quantity wanted.

**FRESH TOBACCO STEMS.**

Bale of 300 lbs., \$1.75; ton \$9.00.

**W. C. BECKERT, Seedsman,****103 Federal St., N.S., PITTSBURG, PA.**

The Breitenstein Co. is showing a very pretty window of spring flowers.

A. C. Miller, Homestead, is going to open a flower store in Duquesne.

Lincoln T. Neff, Jr., Bellvue, fell and dislocated his shoulder.

P. Mair, Woodville, is reported very ill.

**Ferns for Dishes...**

Assorted varieties, 2½-in. pots, \$3.50 per 100; \$30.00 per 1000. Cash with order.

**FRANK OECHSLIN****4911 Quincy St. CHICAGO.****Rooted Cuttings****Verbenas**, choice varieties, 70c per 100, \$6.00 per 1000

Per 100 1000 Per 100 1000

**Heliotropes**, \$1.00 \$8.00 **Petunias**, \$1.25 \$10.00**Daisies**, white **Salvias**, 1.00 8.00and yellow .10 **Alyssum**, dbl. .80**Coleus**, ..... .70 6.00 **Ageratums**, .60 5.00

Express paid, Cash with orders.

**S. D. BRANT, Clay Center, Kans**

MINNEAPOLIS, MINN.—The annual exhibition of the Minnesota State Florists' Association will be held here in November. It is hoped to make it the greatest flower show ever seen in the northwest.



## Attention Buyers.

If in need of any of the following stock we will be pleased to quote Bargain prices:

Small **Kentia**, **Latania** or **Phoenix Palms**, 4 and 5-inch **Araucarias**, **Boston**, **Pierstoni**, **Elegantissima**, **Scottii**, **Ampel**, **Pohli**, **Plumosos**, **Sprengeri**, or **Small Ferns** for dishes. Also all kinds of **Bedding Stock** in small sizes. Give us a trial on 3-inch **Chinese** and **obconica primroses** in bloom, Special, \$4.00 per 100.

**D. U. AUGSPURGER & SONS CO., Box 394**  
**PEORIA, ILL.**

## A FEW GOOD THINGS YOU WANT.

**Rex Begonia**, 2-in. \$5.00 per 100.  
**Asparagus Sprengeri**, 3-in. \$5.00 per 100.  
**Geraniums**, Nutt. Doyle, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in. pots, \$2.00; 3-in. \$4.00 per 100; **Viaud**, **Castellane**, **Poitevine**, **Jaulin**, **Ricard**, **Buchner**, R. C., \$1.50; 2-in. pots, \$2.50; 3-in. \$5.00 per 100; **Mme. Sallerol** 2-in. \$3.00 per 100.  
**Asparagus Plumosos**, 2-in. \$3.00 per 100; 3-in. \$5.00 per 100. Cut fronds 25c per bunch.  
**Boston Ferns**, 5-in 25c each. **Whitman's Ferns**, 4-in. 25c each.  
**Cycas Palms**, 4 to 5 leaves, \$1.00, \$1.50 and \$2.00.  
**Vinca Var.**, 2-in. \$2.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order  
**GEO. M. EMMANS, Newton, N. J.**

Nashville.

The grim reaper has been very busy among the prominent citizens in this community recently. W. K. Phillips, a very wealthy man of West End avenue, died in Florida. There was an exquisite pall made by Geny Bros. for the funeral, also a pillow or cushion five feet long of lilies, carnations, lily of the valley, and fine American Beauty roses. Also a wreath three feet in diameter upon a stand five feet high, one-half of callas, roses and carnations and the other half of lavender sweet peas and lily of the valley. The base was very artistic with palm leaves, callas and roses rising from it. Gauze-like streamers of lavender and white gave an artistic finish. The veteran undertaker, W. R. Cornelius, who for nearly 50 years has done business in this city, also died and the numerous handsome florals testified to the high esteem in which he was held, every kind of design being used at his funeral. Another death was that of a prominent architect, G. W. Thompson, and his funeral was the occasion of a great trade in floral circles.

The recent state conference of the Daughters of the American revolution, held in this city on February 21-22, called for many complimentary flowers. The hall and the Centennial club were decorated with palms and the "Daughters" carried gorgeous bouquets, the gifts of admiring friends.

Violets are more plentiful. One of our experienced growers says it has been a very poor violet year, that early last fall they became "soft" and did not bloom satisfactorily, but are doing somewhat better now.

John Scott, of the W. H. Anderson Co., of Lebanon, was in the city recently, having come to deliver some florals ordered from Lebanon. Mr. Scott lately married Miss Kitty Sharples, for a number of years with the Joy Floral Co., and they are living

## VAUGHAN'S LIST OF Dormant Stock

| Crimson Ramblers.                                       |             |             |             | Per doz. | Per 100             |
|---------------------------------------------------------|-------------|-------------|-------------|----------|---------------------|
| 2 years old, 2 to 3 feet, well branched, own roots..... |             |             |             | \$2.00   | \$15.00             |
| 2 years old, 2 to 3 feet, well branched, budded.....    |             |             |             | 2.00     | 15.00               |
| 3 years old, 3 to 5 feet, well branched, budded.....    |             |             |             | 3.00     | 18.00               |
| 4-inch pots.....                                        |             |             |             |          | 10.00               |
| Tausendschon.                                           |             |             |             | Per doz. | Per 100             |
| 2-yr. old, dormant, grafted plants.....                 | \$3.50      | \$25.00     |             |          |                     |
| Lady Gay.                                               |             |             |             |          |                     |
| 2-yr. old, dormant stock.....                           | \$3.00      | \$20.00     |             |          |                     |
| White Baby Rambler.                                     |             |             |             |          |                     |
| 3-inch.....                                             | \$1.15      |             |             |          |                     |
| 4-inch.....                                             | .25         | \$2.50      | \$20.00     |          |                     |
| Azalea Mollis                                           |             |             |             |          |                     |
| 15 to 20 buds.....                                      | Each \$0.50 | Doz. \$5.00 | 100 \$40.00 |          |                     |
| 40 to 50 buds.....                                      | 1.00        | 10.00       |             |          |                     |
| Baby Rambler.                                           |             |             |             |          |                     |
| Dormant, field-grown.                                   |             |             |             | Per doz. | 100 1000            |
| 1st size, selected, budded.                             |             |             |             | \$2.50   | \$16.00 \$150.00    |
| 3 years.....                                            |             |             |             |          |                     |
| 2nd size, selected, grafted,                            |             |             |             | 2.00     | 12.00 100.00        |
| 2 years.....                                            |             |             |             |          |                     |
| Pot-grown.                                              |             |             |             |          |                     |
| 2½-inch.....                                            |             |             |             | .75      | 5.00                |
| 3-inch.....                                             |             |             |             | 1.25     | 8.00                |
| 4-inch.....                                             |             |             |             | 2.00     | 12.00               |
| Deutzia                                                 |             |             |             |          |                     |
| Lemoinei, 7-in.                                         |             |             |             | Each 25  | Doz. 2.50 100 20.00 |

All Plants F. O. B.  
Western Springs, Ill.

## Vaughan's Seed Store,

**84-86 Randolph St., CHICAGO. 25 Barclay St., NEW YORK,**  
Greenhouses and Nurseries: Western Springs, Ill.

"Spring Book for Florists." Ask for it.

## CARNATIONS April Delivery, A few ready for March.

**White Perfection**, **Rose Pink Enchantress**, and **Victory** at \$15.00 per 1000.  
**White Enchantress**, \$17.50 per 1000.  
**Lawson Enchantress**, **Winona** and **Beacon** at \$20.00 per 1000.  
**O. P. Bassett** and **Alvina** at \$30.00 per 1000.  
**Fenn**, **Lawson** and **Winsor** at \$10.00 per 1000.

**ALBERT M. HERR,**

**GERANIUMS**, Ready March 21 and later.  
**Nutt** at \$10.00 per 1000. **Ricard** and **Poitevine** at \$12.00 per 1000.  
**ASPARAGUS PLUMOSUS**, \$25.00 per 1000.  
**ASPARAGUS SPRENGERI**, at \$25.00 per 1000.  
**Sprengeri "SPECIAL"** ready for four inch pots at \$50.00 per 1000, sample for 10c.

**Lancaster, Pa.**

## RUBBER PLANTS

5 and 6-inch pots, 18 to 24 inches high,  
\$3.90 per dozen.

**Strong Boston Ferns**

4-inch pots, \$1.50 per dozen.

**W. W. COLES,**

**Kokomo, Ind**

now in Lebanon. Mr. Scott is with Mr. Anderson, who has a very nice range of houses in Lebanon and does a good local business with a growing up country trade.

Trumpet Majors and the narcissi are coming in now from the growers, but in a week or two more they will be plentiful outdoors, some being even now in bud. While there is an abundance of flowers, the roses are off crop and will come on just in time for the Easter trade. M. C. D.

GREENFIELD, MASS.—William Kennedy has been in poor health for some time.

BATTLE CREEK, MICH.—A call for the purpose of forming a sweet pea society sounds unusual for shopmen, but it was issued by M. W. Westbrook, as organizer of the Grand Trunk Horticultural society. This organization, originally formed in Port Huron, contains machinists and blacksmiths at the Grand Trunk locomotive shops, who believe in cultivating flowers and raising vegetables while off duty. A flower show will be given by the men, with valuable prizes and the sweet pea meeting held February 26, was one of the preliminaries.

## A New Fern NEPHROLEPIS GIATRASHI

Awarded a Certificate of Merit by the Horticultural Society of New York.

Prices: In 2½-inch pots, \$3.50 per dozen; \$25.00 per 100; \$200.00 per 1000. 25 plants at 100 rates; 500 plants at 1000 rates. Orders delivered in rotation as received. Now Ready for delivery,

**GEORGE GIATRASHI,**  
463 Summit Ave., West Hoboken, N. J.

Mention the American Florist when writing

## 300 for \$5.00

Ivy Geraniums, Cinerarias, Asp. Sprengeri, Primula obconica, Alyssum, out of 2½ in. pots, \$2.00 per 100, 300 for \$5.00.

Pansies, Forget-me-nots and Daisies (Bellis), fine plants, \$2.00 per 1000.

**J. C. SCHMIDT,** Bristol, Pa.  
Mention the American Florist when writing

## ROOTED ROSE CUTTINGS.

|                     | Per 100 | Per 1000 |
|---------------------|---------|----------|
| Am. Beauty.....     | \$4.00  | \$35.00  |
| Pink Killarney..... | 2.50    | 20.00    |
| Richmond.....       | 1.50    | 12.00    |
| Brides.....         | 1.50    | 22.00    |

Satisfaction Guaranteed.  
**Geo. Reinberg, 51 Wabash Ave., Chicago.**





### Cacti and Mexican Resurrection Plants

We are in the heart of the cactus country, and furnish the healthiest open-grown stock, over 170 varieties, to the foreign and domestic trade. 28-page illustrated catalogue of Cacti free.

**Mexican Resurrection Plants.** We are strictly headquarters for this plant and ship all over the world. Good sized dormant plants, guaranteed to "resurrect." 1000, 10.00; 5,000 at \$3.50; 10,000 at \$3.00.

THE FRANCIS E. LESTER COMPANY,  
Dept. LS2, Messila Park, N. M.

## Wanted

Best offer on the following list of plants for early shipment, well grown stock.  
500 **Geraniums**, Mrs. E. G. Hill, 2½-in.  
200 each **Dracena indivisa**, 6-inch, 5-inch and 4-inch.

WHOLESALE, care American Florist.

### Well Rooted Carnation Cuttings

|                                | Per 100 | Per 1000 |
|--------------------------------|---------|----------|
| Enchantress .....              | \$2 00  | \$18 00  |
| Sarah Hill, white .....        | 4 00    | 35 00    |
| Lawson Enchantress, pink ..... | 2 50    | 20 00    |
| Lawson, pink .....             | 2 00    | 15 00    |
| W. H. Taft, red .....          | 4 50    | 40 00    |
| Beacon, red .....              | 3 00    | 25 00    |
| Victory, red .....             | 2 50    | 20 00    |
| Lawson, variegated .....       | 2 50    | 20 00    |

Cash with order or C. O. D.

SCHEIDEN & SCHOOS,

517 Asbury Ave., Evanston, Ill.

## SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums  
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL, New York.

WHITE SPORT OF

Helen Frick Chrysanthemum

\$2.00 and \$3.00 per doz. Stock plants.

ALVINA CARNATION....

\$5.00 per 100; \$45.00 per 1000; Delivery at once.

HENRY EICHHOLZ, Waynesboro, Pa.

## List OF 200 Roses

Bumper crops for spring delivery.

THE LEEDLE FLORAL COMPANY  
SPRINGFIELD-OHIO.

## SHAMROCK

True Irish,

2-in. pots, \$5.00 per 100; \$45.00 per 1000.  
Cash with order.

FRANK OECHSLIN,

4911 Quincey St., CHICAGO.

WAYNE JUNCTION, PA.—Growers employed by the Philadelphia & Reading are making preparations for the distribution of 200,000 plants among the 200 stations along the system as soon as there are signs of spring days. The plants are being grown at the greenhouses of the company here.

# A Rose for Every Greenhouse

## GRAFTED ROSES

White Killarney, My Maryland, Pink Killarney, Richmond. Bride, Bridesmaid Golden Gate, La France, Kaiserin.

Rose pots ..... \$15 00 per 100  
3½-inch pots ..... 18 00 per 100  
Rose pots ..... \$10 00 per 100  
3½-inch pots ..... 15 00 per 100

## OWN ROOT ROSES

White Killarney, My Maryland, Richmond, Pink Killarney, American Beauty. Bride, Bridesmaid, Perle, Sunrise, Golden Gate, Chateau, Kaiserin.

3-inch pots ..... \$ 9 00 per 100  
4-inch pots ..... 12 00 per 100  
3-inch pots ..... \$ 7 00 per 100  
4-inch pots ..... 10 00 per 100

We will have large quantities of **White Killarney** and **American Beauty** Rose Plants of the best quality for spring delivery.

Standard Varieties of **Carnation Cuttings** on hand.

**Verbena** and **Coleus Cuttings** and **Plants** ready for shipment.

Send for circulars.

J. L. DILLON, Bloomsburg, Pa.

## CANNAS

Dormant roots, of 2 and 3 eyes each.

Orchid Flowering

at \$1.50 per 100; \$14.00 per 1000  
1500 Austria  
1500 Italia  
500 John White  
300 Mrs. Kate Gray  
1500 Pennsylvania

Red Shades

at \$1.25 per 100; \$12.00 per 1000  
300 Alice Roosevelt  
250 Beate Poitevine  
400 Chas. Henderson  
1000 Duke of Marlborough  
700 Pillar of Fire  
1000 Crimson Bedder

Yellow and Orange

at \$1.25 per 100; \$12.00 per 1000  
2000 Florence Vaughan  
150 King Edward  
450 N. Wendlandt  
501 Parthenope  
400 Paul Marquart  
150 Victory

Dark Leaved

at \$1.75 per 100; \$15.00 per 1000  
1500 Egandale  
601 Grand Rogue  
200 Shenandoah  
150 Robusta

Pink Shades

at \$1.50 per 100; \$ 4.00 per 1000  
400 Mme. Berat

Red Gold Edge

at \$1.50 per 100; \$14.00 per 1000  
320 Mme. Crozy

2500 Mixed

at 95c per 100; \$6.00 per 1000.  
Cash with order

ESTATE OF DAVID FISHER,

Montvale, Mass.

## Splendid SEED of

# Phoenix Roebelenii

Price on application to

SANDER, Bruges, Belgium.

## Geraniums Coleus

|                                               |      |      |                                              |                 |
|-----------------------------------------------|------|------|----------------------------------------------|-----------------|
| 8 varieties, my selection 2½-in. pots, \$3 00 | 100  | 1000 | 10 varieties 2½-in pots Apr. 1               | 100             |
| Asp. Sprenger seedlings                       | 1 00 | 7 00 | 10 varieties of Cannas, 3½ in. pots. Apr. 1. | 4 01            |
| Double Petunias,                              | 3 00 |      | 400 Asp. Plumosus, 2½-in pots                | 2 00            |
| Vincas, Var., 2-in. pots                      | 2 00 |      | Alternantheras, red and yellow. Apr. 1.      | 2 00            |
|                                               |      |      | Pansy Plants, small                          | \$2 50 per 1000 |
|                                               |      |      | Pansy Plants, large. Apr. 1                  | 1 50            |

—Cash, No C. O. D.—

JOS. H. CUNNINGHAM,

Delaware, O.

PITTSFIELD, MASS.—R. Engelman lost about 500 square feet of glass by the recent heavy snowstorm. Altogether the damage amounted to about \$250.

BISMARCK, N. D.—The Hoskins Floral Co. has ordered glass for two additional greenhouses. The remarkable success of the venture has called for expansion.



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# WIZARD BRAND MANURES

Dried, screened and packed in bags of 100 lbs. each

## PULVERIZED SHEEP MANURE

Pure - Uniform - Reliable

A strong and quick acting manure highly recommended for carnations and chrysanthemums

## SHREDDED CATTLE MANURE

Easy to Handle and Apply

Stronger and better in every way than rough manure. Lasts much longer on the benches. Unequalled for mulching and feeding roses, liquid manuring and mixing with bench and potting soil. Used by all the largest growers.

Ask your supply man or write for circulars and prices.

The Pulverized Manure Co.,  
32 Union Stock Yards, CHICAGO

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Hydrangeas, R. C., \$1.50 per 100; 2-in., 50c per dozen; \$4 per 100; 3-in., \$1 per doz; \$8 per 100. D. U. Auspurgur & Sons Co., Box 778, Peoria, Ill.

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Hydrangea Oktaka, pot-grown, 6-in., \$15 per 100. Jackson & Perkins Co., Newark, N. Y.

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|                 | 100 | 1000 |
|-----------------|-----|------|
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| Mrs. Jardine    | 5   | 45   |
| Killarney       | 5   | 45   |
| Bride           | 3   | 25   |
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Murphy, William, 311 Main St., Cincinnati.

Niessen Co., Leo, 1208 Arch St., Phila.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Pittsburg Cut Flower Co., 222 Oliver Ave., Pittsburg.

Pittsburg Florists' Exchange, 217-233 Diamond St., Pittsburg, Pa.

Pollworth, C. C. Co., Milwaukee, Wis.

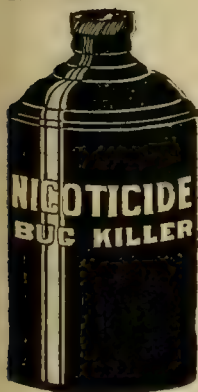
Randall, A. L. Co., 19 Randolph St., Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It



**WINTERSON'S SEED STORE**45.47-49 Wabash Avenue CHICAGO, ILL.  
L. D. Phone Central 6004.**For St. Patrick's Day  
Ajax Flower Dye**

(Green)

Pints, 60c; Quarts, \$1.00,  
by express.**For Easter**We have a full line of all season-  
able supplies, including many nov-  
elties.**"Send Us Your Orders"**and we will fill them in such a way  
as to insure you future orders.**THE BEST  
Bug Killer and  
Bloom Saver**For PROOF  
Write to**P. R. PALETNORPE  
COMPANY,  
Owensboro, Ky**

USE THE

**Chambers'****Flat Head Carnation Pin**Cheapest and Best Method of Mending  
Split Carnations.A little practice enables anyone to mend split  
flowers at a very rapid rate, and the price is  
not worth considering.

For 50c we send 1,300 Pins and Mende

Special prices on large lots.

Address all orders to

**C. P. CHAMBERS, Toughkenamon, Pa.****MISCELLANEOUS.**Meyer green silkline. \$1.25 per lb. 8  
spools to lb. Meyer violet thread for violets,  
\$1.25 per doz. spools of 500 yards each. John  
C. Meyer Co., 1449 Middlesex St., Lowell,  
Mass.Special Printing for Florists. Best work,  
lowest prices. Samples for stamp. O. A.  
Fink, Pottstown, Pa.The Florist Friend nicotine insecticide.  
Florist Friend Co., Owensboro, Ky.Rocking grate bar, saves 10 to 25 per  
cent coal. U. S. Rocking Grate Bar Co.,  
77 Jackson Blvd., Chicago.Plant tubs, cedar or cypress. Davis Coop-  
erage Co., Martinsville, Ind.Pillsbury's Carnation Staple, 50c per 1,000  
postpaid. I. L. Pillsbury, Galesburg, Ill.**GREEN CARNATIONS**The near approach of St. Patrick's day is a reminder of Green  
Carnations. We have a very powerful, harmless preparation which  
will dye many white flowers a beautiful Emerald green in from three  
to four hours by absorption or instantly by immersion.This preparation is soluble in cold or hot water. One package  
will be sufficient for 3 or 4 pints of water according to strength desired.We also have the coloring in red, blue and yellow. Will be sent  
by mail, postage paid on receipt of price in stamps, money order or  
check. Directions on each package.

Prices, 1 pkg. 75c; 6 pkgs. \$4.00; 12 pkgs. \$7.50.

This coloring contains a very powerful chemical agent thor oughly  
dissolving the dye and preserving the flower. Don't be fooled with  
cheaper imitations, but get the real article.**A. HERRNANN, Gen. Agt.** or address **THE PHILADELPHIA CHEMICAL CO.,**  
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N. B.—Keep for reference, this advt. will not appear again.

**The "Meyer Green Silkline"**is the only Green Thread that  
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soil. It prevents the onslaught of plant diseases or insect pests. Can be  
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Manufacturers,****The Mastin Automatic Whitewash and Spraying Machine  
Is Reliable, Practical and Durable**The tank is made of galvanized sheet steel, and in brass.  
The pump is of brass throughout, simple and powerful.  
The mixing device keeps the contents of the tank well stirred up from  
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of the pump will compress enough air in the tank to produce a continuous  
mist-like spray for 15 minutes.

All parts are made to gauge and may be had for repairs.

Ask your dealer about our **Extension Hose, Extension Rods,**  
and the **Mastin Whitewash Nozzle** for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

**J. G. MASTIN & CO., 3124 West Lake St., CHICAGO, ILL.****POTS, PANS, ETC.**"NUFF SED." Best red pots are made  
by Geo. E. Feustel, Fairport, Iowa.The Red Pot. C. C. Pollworth Co. All  
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Co., Syracuse, N. Y.**STAKES.**Cane Stakes. Standard grade 6 to 8 feet,  
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Pipe stems about 6 feet, per 100, 60c; per  
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ARE THE MOST ECONOMICAL

**Boiler for Greenhouses**No Night Fireman Required  
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**Garman's Antipest**

INSECTICIDE AND FUNGICIDE

For the Garden, Orchard and Greenhouse

Non-poisonous and harmless  
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water. Destroys all insect pests and  
keeps down filth. Circulars on applica-  
tion. \$1.50 per gallon. Also in  
quarts, half gallons and in bulk.**PERFECTION CHEMICAL CO.,**  
FLUSHING, N. Y.**SPLIT CARNATIONS**Quickly and easily  
Mended.  
No tools required."They are all that is  
claimed for them."  
GEO. E. LASHER Florist

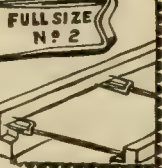
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2000 for \$1.00 postpaid.

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**Steel Return Tubular Boilers**The Most Economical Type of Boiler  
for Greenhouse Heating. Highly  
recommended by well-known florists.**JOHNSTON HEATING CO.,** 138 E 31st St.,  
NEW YORK.**Holds Glass  
Firmly**See the Point **PEERLESS**Glazing Points are the best.  
No rights or lefts. Box of  
1,000 points 75 cts. postpaid.**HENRY A. DREER,**  
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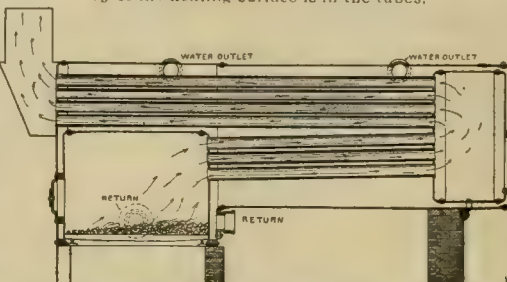
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Last forever. Over

30,000 pounds now in use. A sure preventative of  
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Easy to drive. Easy to extract. Two sizes  $\frac{3}{4}$  and  
 $\frac{1}{2}$ . 40c per lb. by mail 16c extra; 7 lbs. for \$2.50  
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Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.WASHINGTON, PA.—C. C. Philips and  
Earl J. Sedam, who for a few months  
have been in charge of the Forrest  
Greenhouses, have formed a partner-  
ship under the firm name of Philips  
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which they have been connected, and  
have taken possession. They will  
continue in business, with Mr. Philips  
in charge of the local store and Mr.  
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RETURN FLUE FIRE BOX BOILER

contains more heating surface, and less water space than any other steel boiler.

 $\frac{2}{3}$  of the heating surface is in the tubes.Ask the  
man that  
knows the  
one using  
different  
style boilers  
—names are  
yours for  
the asking.After using  
our boiler  
one season,  
you will say  
like all  
others:  
Nothing but  
"Superior"  
for me.

This boiler has given better satisfaction than any other boiler on the market

MADE IN NINE (9) SIZES FOR HOT WATER.

Send for catalogue and list of growers that are using this boiler.

**THE SUPERIOR MACHINE & BOILER WORKS, 840 -850 Superior St., Chicago.****The KROESCHELL BOILER**

IS THE ONLY PERFECT

**HOT WATER BOILER.**

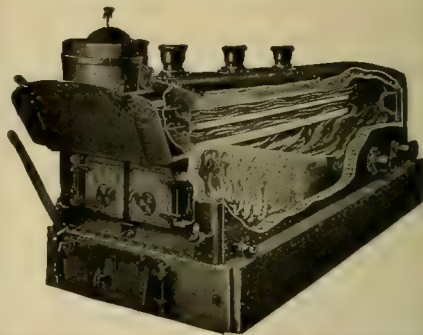
(NOT CAST IRON)

Has water in front, sides, top and  
a water back.Made in 15 sizes, heating 6,000 to  
50,000 square feet of glass to  
60° at 15° below zero.

Prices and cata logue on application.

**KROESCHELL BROS. CO.**

452 W. Erie St. CHICAGO.

**"DETROIT" RETURN TRAPS**

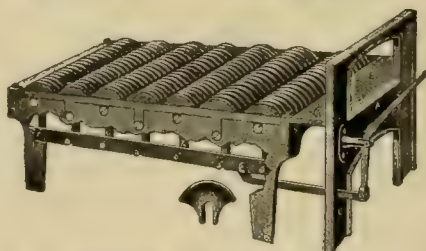
in the Steam-Heated Greenhouse

BETTER THAN A REBATE IN THE COAL BILL.

AMERICAN BLOWER CO. (MANUFACTURERS) DETROIT, MICH.

**The Grate Does It!**Saves 10 to 25% of the  
coal your boiler is using.

Positive guarantee given

Send for circular "N"  
and our famous Lecture  
on Combustion.**U. S. ROCKING GRATE BAR CO.,**

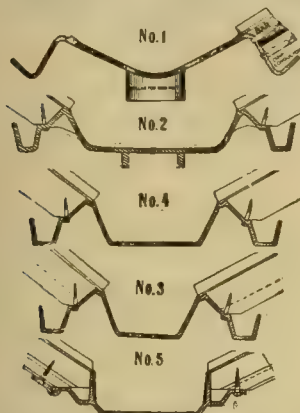
77 Jackson Boulevard,

CHICAGO.

NEW ROCHELLE, N. Y.—L. S. Hitch-  
cock has opened a retail store on Main  
street.WORCESTER, MASS.—The Aitken Co.  
will probably leave the city because  
of inability to secure suitable quarters.



## A Gutter With a Reputation



Ask the man who has tried them. For further particulars, write to

**GEO. M. GARLAND CO.,**  
DES PLAINES, ILL.

KEEP A

## Holly Standard Circulator

busy and watch results.

**SUB-TARGET GUN COMPANY**

Steam Engineering Department,

216 High Street

BOSTON, MASS.

## Superior Crimped Invisible Carnation Staple

(PATENT APPLIED FOR.)

For repairing split carnations. 1000 for 50 cents  
Postpaid.

L. J. WAITE, 293 Main St., Springfield, Mass.

New Orleans.

A northwest wind with a frozen bone in its teeth which blew fiercely for two days kept growers, especially those with rather inadequate heating facilities, on the anxious bench, but finally all ended well. The monthly meeting of the Horticultural Society was slimly attended on this account and nothing important transpired. U. J. Virgin had a notable vase of lily of the valley of his own growing on the exhibition table and also Roman hyacinths and Paper Whites. The Metairie Ridge Nursery Co. had two nice vases of Ivory and Bridesmaid roses, while H. Doescher had 10 kinds of forcing cucumbers that looked good enough to eat, at least the members present must have thought so judging from the way they pocketed them when the meeting adjourned.

The nurserymen have had a good season, thousands of trees and palms having been planted. The market men are not very busy yet, the season being a little too cold to plant out tender plants, but the prospects are good. The lily question is of paramount importance to the growers at present. At time of writing Easter is just five weeks away and buds are not showing. When Easter comes about the middle of April four weeks will bring the buds to maturity, but it is a question whether four weeks is sufficient to develop them in March.

The carnival trade this year was the best in history. Every store keeper seemed to have all he could attend to and prices were top notch. U. J. Virgin had some fine table decorations and a lot of fine bouquets and corsage bunches. C. Eble did a land office business and handled lots of fine stock. Metairie Ridge Nursery Co. was strong on bouquets and plant decorations. P. A. Chopin and the Avenue Floral Co. were glad when

## Are You Going to Build?

Then send for our estimate before you buy. Get our catalogs. Our prices are reasonable and material the best that can be made.



**JOHN C MONINGER Co**

902 BLACKHAWK ST CHICAGO

## Attention!! Glass Buyers!!

### GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.

Quality A. No. 1. Prompt shipments.

### Hooker's Greenhouse White Paint

The most durable white paint for this purpose.

Half barrels, (25 gallons), per gal. \$1.35. 5 gal. pails, per gal. \$1.40

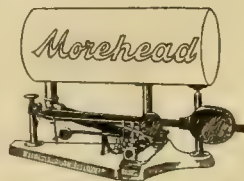
## H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone  
Monroe 4994.

651-659 Washington Boulevard, CHICAGO.

## Among Florists It is "THE MOREHEAD" WHY?



**BECAUSE** it is giving them service they thought could not be bought for money.

With an installation of a **Morehead Return Steam Trap** there begins a better growth of flowers, a more even temperature in your greenhouses, a decided decrease in your fuel bill and an infinite period of satisfaction.

Let us put your name on our list of "satisfied users." Our "Trap Book" sent on request.

**MOREHEAD M'F'G. CO.,**

Dept. N, Detroit, Mich.

the rush was over. Since Lent opened trade has been very good. This city is less affected by Lent than any other.

J. A. Newsham has fine specimen baskets of Cattleya Skinneri and a beautiful batch of Oncidium splendens in full bloom. His son Dan is

going next week to Central America on an orchid hunting expedition.

U. J. Virgin's place is in fine shape at present, decorative sizes of kentias being especially fine.

Abele Bros. report an excellent demand in the catalogue trade. X.





## Model Extension Carnation Support

Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market.

Pat. July 27, '97, May 17, '98

**GALVANIZED WIRE ROSE STAKES.**

Write for prices before ordering elsewhere. Prompt shipment guaranteed

**IGOE BROS.,**  
266 North 9th St.,  
BROOKLYN, N.Y.

**H. BAYERSDORFER & CO.,**



**Florists' Supplies.**

1120 Arch Street, PHILADELPHIA, PA.  
Send for our new catalogue.

## Wired Toothpicks

10 000, \$1.75; 50,000, \$7.50. Manufactured by

**W J. COWEE, BERLIN, N. Y.**  
Sample free. For sale by dealers.

## EAGLE WIRE WORKS

—Manufacturers of—

Wire Floral Designs and Specialties.  
Catalogue Free.

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Lock the door before the horse is stolen,  
and insure your glass before it is broken.

For particulars concerning  
Hall Insurance, address

**JOHN G. ESLER, Secretary**

## REED & KELLER,

122 W. 25th St., NEW YORK.

**FLORIST'S SUPPLIES.**

We Manufacture all Our  
Metal Designs, Baskets, Wire Work,  
and Novelties, and are dealers in Glass-  
ware, Pottery, Decorative Greens, and  
all Florists' Requisites.

## A. HERRMANN,

Cape Flowers, all colors, Cycles  
Leaves, Metal Designs and all  
Florist Supplies.

—Send For Prices—

404-412 East 34th St., NEW YORK.



## Wilson's Corsage-Bouquet HOLDER

Award of "Highly Commended" at the S. A. F. Trade  
Exhibition at Cincinnati.

Holds Corsage-Bouquet securely and gracefully.

Prevents damage to apparel.

Adjustable to any diameter of bouquet stem.

Adaptable to anything from Violets to Roses

Does away with Corsage Pins.

A handsomely silver plated article and ornamental  
in itself.

Samples to trade, 25c each, by mail postage paid.  
By the dozen, \$3.00, postage paid. Correspondence  
solicited. Address

**Robert G. Wilson, Fulton St. and Brooklyn, N. Y.**  
Green Ave.

Mention the American Florist when writing

## THE ART OF

## Floral... Arrangement.

The first special newspaper in  
the world for floral arrangement.

400 Partially Colored Illustrations Annually.

Specimen number free.

Subscription, \$2.90 yearly.

**BINDEKUNST-VERLAG,**  
J. Olberitz, ERFURT, GERMANY.

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To Subscribe to the

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Published weekly. The Largest  
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numbers, One Dollar. (Interna-  
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today and keep in touch with  
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BURNLEY, ENGLAND.

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—OUR SPECIALTY—

WRITE FOR FIGURES.

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## Plant Bed Cloth

For Florists, Gardeners, Truck Farmers,  
etc. Protects from frost. Best shade in  
summer. Sold by leading seedsmen.

Waterproof Sheetting, Hay Caps, Etc.

**HENRY DERBY, 123 F Chambers St., New York.**

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HALFTONES, ENGRAVINGS and  
PRINTING FOR FLORISTS.

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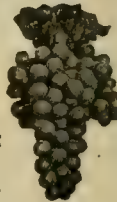
Has stood the test of over a Quarter  
of a Century.

## THOMSON'S Vine, Plant and Vegetable MANURE

UNRIVALLED

FOR

Vines,  
Tomatoes,  
Cucumbers  
all Flowering,  
Foliage and  
Fruit bearing  
Plants,  
Vegetables,  
Lawns, etc.



The result of  
many years  
practical  
experience.

PERFECT

PLANT FOODS

Sold by  
Leading  
American  
Seedsmen.

— ALSO —

Thomson's Special Chrysanthemum  
and Topdressing Manure.

Freight paid on quantities. Write for our  
special offer to the American trade, pamphlets,  
agents' circulars, etc., to sole makers,

**WM. THOMSON & SONS, Ltd.,**  
Twined Vineyard, Clovenfords, Scotland

*green flies and  
black ones too*  
are easy to kill with  
**The Fumigating Kind  
Tobacco Powder**  
\$3.00 per bag 100 lbs.  
Satisfaction guaranteed or money back;  
why try cheap substitutes that makers do  
not dare to guarantee?  
**THE H. A. STOOHOFF CO.,**  
MOUNT VERNON NEW YORK.

**CUT FLOWER BOXES**  
**EDWARDS FOLDING BOX CO**  
MANUFACTURERS  
PHILADELPHIA, PA.

## Florists' Refrigerators

Write us for catalog and prices, stating  
size you require, and for what kind of cut  
flowers you wish to use the refrigerator;  
also state whether you wish it for display  
or only for storage.

**McCray Refrigerator Co**

960 Mill Street, KENDALLVILLE, IND



# FOR "POT LUCK" TRY US..

## HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLDS LARGEST MANUFACTURERS

WRITE FOR CATALOG AND DISCOUNTS.

**A. H. HEWS & CO.**Established 1765,  
CAMBRIDGE, MASS.452-460 No Branch St.,  
CHICAGO ILL.Pearson Street,  
LONG ISLAND CITY, N.Y.

## All The Clay

FOR OUR

## Florists' Red Pots

Is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We ship over five lines of railroad by river or interurban. Write for catalogue showing all the articles we make for florists' use.

THE PETERS &amp; REED POTTERY CO.

ZANESVILLE, OHIO.

## Standard Flower Pots!

Packed in small crates, easy to handle

| Price per crate              | Price per crate             |
|------------------------------|-----------------------------|
| 1500 2-in., in crate, \$4.88 | 144 6-in., in crate, \$3.16 |
| 1500 2 1/4 " " 5.25          | 120 7 " " 4.20              |
| 1500 2 1/2 " " 6.00          | 60 8 " " 3.00               |
| 1000 3 " " 5.00              | 48 9-in., in crate, \$3.60  |
| 800 3 1/2 " " 5.80           | 48 10 " " 4.80              |
| 500 4 " " 4.50               | 24 11 " " 3.60              |
| 456 4 1/2 " " 5.24           | 24 12 " " 4.80              |
| 320 5 " " 4.51               | 12 14 " " 4.80              |
| 210 5 1/2 " " 3.78           | 6 16 " " 4.50               |

Send pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY: Fort Edward, N.Y.

or AUGUST ROLKER & SONS, New York Agents  
31 Barclay Street, New York City.

### Providence.

St. Valentine's day business was an inspiration. What with fair weather and good demand there was no lack of orders and consequent hustle. The list of orders ahead was not as large as usual, but the actual cash and telephone business done on that day surely made a record equal to the best Valentine's day in several years. Carnations met with a fair call, but roses went very well. It remained for violets to round out a surprising day's work. Not cheap stock, but good and fancy grades. At \$1 to \$1.40 per 100 they sold, each bunch being tidily set up and packed in special boxes, most of them with a "heart" suggestion. Business all over the town was good in these flowers. With reference to violets it would seem that the stores having the best call are those that do not make a practice of having or advertising special sales at short prices. One florist has built up a heavy demand by continually putting the best and regularly-priced violets before his public. Of course he keeps and sells the cheaper grades, but does not flaunt them continually in the eyes of his prospective customers. There are ways to do a strong business without declaring oneself the "cheapest place on earth." All flowers are plentiful and good, with wholesale figures gradually dropping to carnations two cents, violets 50 cents per 100, roses two to six cents for regulars.

M. M.

Use our patent  
Iron Bench  
Fittings and  
Roof Supports.

THE JENNINGS <sup>IMPROVED</sup>  
IRON GUTTER.

IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY &amp; KEEN,

S. W. Corner Sixth and Berk Streets

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VENTILATING  
APPARATUS.

DAYLITE

Glass Cleaner

Will not injure paint or putty

ANDERSEN SPECIALTY CO., 4648 Calumet Ave.,

Quick, == Powerful.

Leaves no Greasy Surface.

Per gal.  
25 to 50 gallons..... \$0 70  
5 to 25 gallons..... 80  
Less..... 1 00

Phone  
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## Iron Reservoir Vases

AND

Lawn Settees

Manufactured by

McDONALD  
BROS.,

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The largest manu-  
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goods in America  
Send for catalogue

Mention the American Florist when writing



Standard Flower Pots

Porosity and Strength  
Unsurpassed.

Write for prices.

A. F. KOHR

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## Those Red Pots

"STANDARDS"

Full size and wide bottoms.

BULB PANS and AZALEA POTS

DETROIT FLOWER POT M'FY

HARRY BALSLEY, Detroit, Mich.  
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Mention the American Florist when writing



GEO. KELLER &amp; SON,

Manufacturers of

Red Pots

Before buying write for prices.

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RED POTS

Prompt shipments guar-  
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stock of well made and  
well burned pots on hand  
for the trade of 1910. Our  
terms are as good as the  
best. Our catalogue on  
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SYRACUSE POTTERY CO.

SYRACUSE, N. Y.

## Plant Tubs

Cedar or Cypress

Write us if you want  
THE BEST.

Davis Cooperage Company

Manufacturers, MARTINSVILLE, IND.

## Kramer's Pot Hangers

For sale by Wholesale Seedsmen, Florists  
and Supply Dealers.

Price, \$1.00 per dozen by express. mple  
dozen by mail, \$1.25.

I. N. KRAMER &amp; SON, Cedar Rapids, Iowa



## The Allied Trades

Descriptive particulars—with drawings or photographs, if possible—of any new apparatus or device which may prove helpful to the trade are solicited for this department.

### The Chambers Flathead Carnation Pins.

We have samples of the Chambers Flat Head carnation pins for mending split carnations. These are manufactured by C. P. Chambers, Toughkenamon, Pa., and the price they are offered at is so low that none would think of allowing carnations to remain "too wide open," as we heard it expressed recently, when by means of these useful little articles they can be repaired. It appears to be an excellent device and should command a ready sale. A brass mender is sent with each box of pins and full directions for use also go with each.

### Cement and Concrete Fence Posts.

The use of cement and concrete for farm structures of various kinds has been treated in a Farmers' Bulletin of the Department of Agriculture. A number of the experiment stations have undertaken the study of the use of these materials for special kinds of farm structures. A recent bulletin of the Colorado Experiment Station, by H. M. Bainer and H. B. Bonebright, reports a somewhat detailed study of the methods of making cement and concrete fence posts, and of the best forms, mixtures, reinforcements, wire fasteners, cost, and general practicality.

Cement and concrete posts are just beginning to be manufactured and used as substitutes for wood posts, but already there seems to be general agreement that such posts can readily be made with ordinary labor, and while the first cost is large the posts are long-lived and of good appearance. In the bulletin of the Colorado station referred to, a description is given of a form of home-made concrete mixer which greatly reduces the hand labor required and which is more economical and better adapted to the average farm purposes than the large patented concrete mixers. This mixer, which, it is believed, can be made by an ingenious farmer with little expense and work, is described as follows:

Two pieces of 4x6 form the sills. Upon these, two uprights about three feet high are fastened. A 1½-inch pipe passes through holes bored in the top of the uprights. Upon this pipe the mixing box is turned, and through the pipe the water is added to the mixture at the desired time. The water is poured in at the top of the upright pipe and flows down and out through holes which are drilled in the lower side of it. The other end of the pipe is closed by a wooden plug. The ends of the box are made of pieces of 2x8 bolted together. A hole bored in the center of each end forms the bearings. The sides of the box are made of 1-inch lumber and are simply nailed to the ends. One-half of the box is made so that it can be detached and lifted off when the mixer is to be filled or emptied. The detachable half is secured to the other half by means of strong hooks so placed that by slipping this half about an inch to one side all of the hooks are loosened at once. After it is in position the removable portion is held in place by means of a barn-door latch.

The driving gear is simple but very effective. It consists of the rim taken from the wheel of an old rubber-tire buggy. With the tire removed the grooved rim makes a very satisfactory

## Iron Rafter House

Here is an interior view of L. B. Codrington's rose house at Murray Hill, N. J. The photo was taken, looking toward the side, to show you how light—how extremely light—and still how thoroughly the roof is framed.

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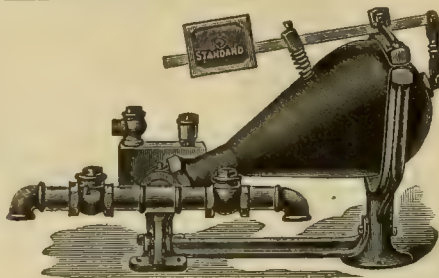
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E. HIPPARD, Youngstown, O.

wheel upon which to run a ¾-inch rope belt. The belt is driven by a small sheave pulley which is fastened to the countershaft. A belt tightener is used upon the rope, and by using a very loose belt the tightener is made to act as a friction clutch. This particular mixer is driven by a 2-horse gasoline engine, which is belted to the countershaft. The engine runs continuously and the mixer is started and stopped by means of the belt tightener.

The operator first fills the mixer about half full of sand, gravel, and cement in the correct proportions. He next lowers the lid, which until this time has remained supported upon the hook. The lid is now pushed into place and the latch fastened. The supporting hook is next removed from the staple in the lid support. The machine is now ready to start, the clutch is thrown in, and the box revolves upon the pipe. When three or four turns have been made, water is poured

into the upright pipe until the desired amount has been added. By this time the concrete is thoroughly mixed. The clutch is loosened, the box stops revolving, the hoisting hook is hooked in the staple of the lid, the latch is loosened, and the lid raised to the top of the lid support by means of the counterweight and rope. Now, by slightly setting the clutch, the contents of the mixer are dumped into the box beneath. The operator of the machine may now refill the mixer, while the other workmen take care of the mixed material. In this way a large amount of material may be run through the machine and perfect mixing is guaranteed.

Many other systems of driving might have been used in place of the rope belt. The main gear of an old self-binder makes an excellent gear for a mixer. An old mower gear may also be put to good use in this connection. It is not necessary to have the mixer driven by an engine or horse power.



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# King Construction Co.

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N. TONAWANDA, N. Y.

A crank may be attached and the machine turned by hand. Many men prefer turning such a machine to mixing the concrete with a shovel.

The experiments made by the Colorado station indicated that poured posts made from a mixture thin enough to pour from a pail or scoop almost like water are easier to make than tamped posts, but are somewhat more expensive on account of the number of molds and the time required. The poured posts were also a little over 25 per cent stronger than tamped posts of the same size, mixture, and reinforcement. They are also better able to withstand action of frost and alkali. It was found that while the commercial molds make a post which tapers from the base to the top, the most economical form of post is one which is as large at the ground line as at the base and tapers from the ground line to the top. The square or round post is equally strong in all directions, and is therefore to be preferred to the triangular post.

The reinforcement should be in proportion to the size of the post and the strength of the mixture, and should be strong, light, and rough enough to permit the mixture to adhere firmly to it. It should also be very rigid, with little or no tendency to spring or stretch. Two or more wires twisted together were found to make as satisfactory a reinforcement as could be obtained. The reinforcement should be placed in each corner of the post at a depth of from three-eighths to three-fourths of an inch from the surface. The posts should be cured in the shade for at least 60 days, being sprinkled daily during the first 30 days.

In experiments with concrete posts at the Cowra experiment farm of New South Wales the wires were tied to the posts by tying wires which passed through holes in the post two inches from the surface. These holes are made when the posts are molded by putting 1/4-inch rods through the sides and across the mold at the required distance apart. When the concrete sets, the rods are removed.

LEXINGTON, KY.—Michler Bros. have been granted a permit by the board of public works to erect an office on Maxwell street.

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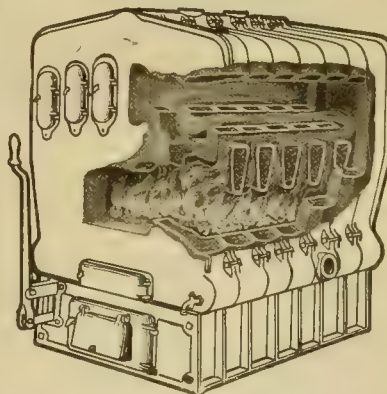
CLEVELAND, O.

Mention the American Florist when writing

### Water Supply for a Nursery.

His Honor Judge Bray, sitting at the Brentford county court, December 17, gave judgment in the case relating to the charges for water supplied to Joseph Darby, a Twickenham nurseryman. His honor said that in a previous action the judge held that a person carrying on such a business as a florist must need more water than would be wanted for mere domestic purposes, and found for the defendant. On the second point—the alleged improper use of water—it was not disputed that there was an implied obligation not to intentionally or recklessly waste water, and that if it was proved there was such waste, the plaintiff was entitled by way of damages to deduct from the rate a sum equivalent to the said waste. He was satisfied that there had been an undue and reckless waste of water by the defendant, and he assessed the amount of damages at £16. He gave judgment accordingly.—London Gardeners' Chronicle, December 25, 1909.

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# THE AMERICAN FLORIST



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Vol. XXXIV.

CHICAGO AND NEW YORK, MARCH 12, 1910.

No. 1136

## THE AMERICAN FLORIST

TWENTY-FIFTH YEAR.

Copyright, 1910, by American Florist Company.  
Entered as Second-Class Matter Nov. 11, 1891,  
at the Post Office at Chicago, Illinois,  
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

**AMERICAN FLORIST COMPANY,**

324 Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Eastern Office: 1133 Broadway, New York.

Philadelphia, Pa.: Robt. Kift, 1725 Chestnut St.

Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a  
year; Canada, \$2.00; Europe and Countries  
in Postal Union, \$2.50. Subscriptions  
accepted only from the trade. Vol-  
umes half yearly from August, 1901.

Address all correspondence, subscriptions, etc.,  
American Florist Co., 324 Dearborn St., Chicago.

### SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—F. R. PIERSON, Tarrytown, N. Y.,  
Pres.; FRED W. VICK, Rochester, N. Y., Vice-  
Pres.; H. B. DORNER, Urbana, Ill., Sec'y;  
WM. F. KASTING, Buffalo, N. Y., Treas. Next  
meeting at Rochester, N. Y., August, 1910.  
Second National Flower Show, Boston, Mass.,  
March, 1911.

### THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at  
Boston, Mass., March, 1911. FRED. BURKE,  
Pittsburg, Pa., President; A. F. J. BAUR, Thirty-  
eighth St. and Senate Ave., Indianapolis, Ind.,  
Secretary.

### AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at New  
York, March 16-18, 1910. AUG. POEHLMANN,  
Chicago, President; BENJAMIN HAMMOND, Fish-  
kill-on-Hudson, N. Y., Secretary.

### AMERICAN PEONY SOCIETY.

Seventh annual meeting at Horticultural Hall,  
Boston, Mass., June 1910. B. H. FARR, Reading,  
Pa., Pres.; A. H. FEWKES, Newton Highlands,  
Mass., Sec'y.

## THE WEEK AT PEACEFUL VALLEY

By The Optimist.

### Funeral and Easter Work.

We have had three days of beautiful, sunny weather, and all the inmates of Peaceful Valley, including the plants, seem duly grateful. There is nothing like a long siege of cold, cloudy weather to make us appreciate the sunshine. A week of the same kind would greatly help all our Easter stock. For six consecutive days we have had considerable funeral work each day, ranging from \$2 sprays to a casket cover of violets. It was right here that the new violet, Rothschild, helped us out in great shape. From about 1,320 plants we picked, in the six days, more than 12,000 flowers—and it looks as though we could duplicate that number in the next week. Princess never would have given us half that number. We have no regrets at planting this variety. When it comes to quantity of salable flowers, produced steadily from September to April, there is no other that can trot in the same class. We find that except in case of tributes from organizations, or subscription pieces, there are few formal designs, or set pieces, wanted, the bulk of all our work consisting of sprays and wreaths. Just at present a very loosely arranged wreath is very popular.

### Carnations.

We never had better carnations than this winter, and are convinced that benching in early June is the method for us. As retailers we require good flowers as early as October 1, and we can not get them from late planted stock. Next year we shall discard Rose Pink Enchantress in favor of Winona, which is doing well with us. The Rose Pink is the poorest member of the highly respectable Enchantress family, and is becoming more dissolute each year. Our list for next season consists of Enchantress, White Enchantress, Victory and Winona, with a few May Day, Ruby, Viola Sinclair and Alma Ward. This early planting, I think, is the cause of the difficulty experienced the last year or two in getting sufficient good cuttings for

stock. A plant grown in the field until late August will give many more cuttings than one lifted six weeks earlier.

### What is Profit?

The retail flower business is usually spoken of as a 100 per cent business; that is to say, all flowers are supposed to retail for at least twice what they cost. As a very prim old maid once told me: "I know that the florist business is a very lucrative one." Now, these occasional little sermons of mine are intended, primarily, to make you think. The opinions expressed may be wrong, my vision may be weak, or perhaps I am cross-eyed, but if I can get you to use that think-trap of yours, for yourself, in your own way, then my object is accomplished.

Let us talk over this matter of profits a little, Messrs. Dealers and Retail Growers, and if the wholesale growers want to listen, it won't hurt them a little bit. We will drop all mention of that 100 per cent, if you please, and get down to net profits. First, of course, we must determine what a net profit really is. As I understand it, the net profit is what remains after paying all expenses of running the business, including (if a grower) 10 per cent for depreciation on the cost of greenhouses and a fair salary to the owner, if he gives his time to the business. As an example, we will suppose that you are doing a business of \$10,000 a year. If you are making 10 per cent clear profit on your business you will have \$1,000 a year to lay away or reinvest. This profit for 20 years would amount to \$20,000, which, with five per cent compound interest for that period will give you \$33,000 at the end of 20 years. Any florist who has not done as well as this, in proportion to the amount of business he has done and the length of time in business, has not made 10 per cent, and yet how many florists can claim to have done this?

There are many florists who have accumulated \$30,000 or upwards during their business lifetime, but prob-

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ably in most cases it was the result of advanced values in their real estate or of outside investments. Florists who have been in business for periods of from 20-40 years who can show a clear net profit of even five per cent are rare exceptions. If, after submitting your business to the simple test outlined above, you find that you are not making any real profit, there are two remedies to consider:

First, better management; second, better prices. The low price florist must do a large business to make even a bare living. Everything must be forced to the limit. Twice as much business means more than twice as much supervision, detail and annoyance. He must keep himself at high tension continually, with no vacations, always risking errors and broken promises, because he is too busy to give proper attention to each order. That is why he does not hold customers long, but is everlastingly seeking new ones. If my houses run east and west, and yours north and south, and if I practice early planting, and you don't—then I'm a better florist than you are, and, believing in the survival of the fittest, I will make low prices, until you "gitsicker'nhell" and quit. That won't do me any good, but just see what it does to you.

#### Cyclamens Injured.

ED. AMERICAN FLORIST:—

Enclosed under separate cover I am sending you two specimens of diseased cyclamens. This is our first experience with anything of the kind; we have, in fact, for a number of years grown first class stock on same bench and under same conditions of soil, only have grown this batch quite cool at night. Would you recommend trying these bulbs another season?

C. M. V.

The plants are so badly attacked with thrips and other insects that the growth is quite paralyzed and it is useless to expect anything from these plants this year. Nor could we advise keeping them over, for probably they will be attacked again, and we would prefer raising new stock and keeping it clean right from the start by fumigating regularly while the insects are small and few in number, thus never giving them a chance to get ahead.

G.

SAN DIEGO, CALIF.—Articles of incorporation of the San Diego Floral Association were filed February 18 in the office of the county clerk, Alfred D. Robinson, L. A. Blochman, S. M. Daley, Kate O. Sessions, Lyman J. Gage, Rodney Stokes and Mrs. F. P. White being named as directors. The purposes of the association, as stated in the articles of incorporation, are to promote knowledge of floriculture, and a larger appreciation of flowers; to encourage the science, art and practice of floriculture, horticulture and arboriculture, and the beautification of grounds about homes, schools and other public buildings. It is also the purpose of the organization to hold flower shows. The association has become widely known through gifts of flowers to those ill in hospitals, for the graves of the strangers who have died within the gates of the city, and the providing of decorations for all public gatherings.

## THE RETAIL TRADE

THE shoes, filled with shamrock, as illustrated on this page, are made of porcelain and have proved a very attractive and free selling St. Patrick's day novelty with the A. L. Randall Co., Chicago.

#### Plant Baskets.

SEE SUPPLEMENT WITH THIS ISSUE.

The near approach of Easter will turn retailers' attention towards plant baskets, these being always popular at this holiday. One of the principal things to keep in mind in this class of work is to create a good contrasting effect in the colors and shape of the foliage. A single plant, standing out distinctly from others, will have a better effect in a basket than three or four standing next to each other or grouped at the same level with ferns or other foliage plants, simply because it shows individuality and stands out in distinct contrast to the others around it. Light foliage like that of Pandanus Veitchi, standing out from and well above the flatter, deeper colored begonias, is especially good, as we have the dual contrast of form and color.

Hydrangeas are not likely to be over plentiful for Easter this year, as the date is too early for their full development, but Baby Rambler, Lady Gay, Crimson Rambler, Tausendschon and other rambler roses will be plentiful. Very beautiful effects can be

#### The Pyramid Centerpiece.

The pyramid centerpiece is particularly appropriate where jonquils, narcissus or spiral leaved flowers are to be used. Take a round, flat basket, mound it with moss to a moderate pyramid height, keeping in mind that the flowers will greatly accentuate the height. Then start on the lower edge with a triple row of green foliage of the lily-like leaf of the jonquil or narcissus, tulip or any other suitable spring flower. This lily-like foliage should be wired to a stout wire about seven inches in length to which the foliage is attached in clusters of about seven leaves to a wire and when put into the lower edge of basket should sweep prettily over its edge to a considerable extent, laying gracefully on the table. Different lengths of the lily-like leaves should be bunched together and, whether or not more than three rows of this cluster foliage are needed, depends upon how closely it is placed in the basket and the size of the latter.

Then wire the jonquils or whatever flower is being used in pretty clusters. Do not wire them with short stems, but leave a stem of considerable length, so that they will fall gracefully from the long wire to which they are attached. The number of rows of the flowers required depends upon the size of the basket. Continue this method of circling first with clusters of the green and then with clusters of the flowers until the center is reached.



PORCELAIN SHOES FILLED WITH SHAMROCK FOR ST. PATRICK'S DAY.

By A. L. Randall Co., Chicago.

obtained by using Lady Gay as a tall plant and filling in with Primula obconica, the all pink basket being a very popular one. All yellow again is pretty though it is more difficult to get suitable stock to fill with. Genistas, Golden Spur and other daffodils, jonquils and good yellow tulips are helps along this line, while the improved varieties of yellow hyacinths are also useful. The selection of ribbons and the manner of tying them has much to do with the success or otherwise of a basket and considerable practice is necessary before a decorator becomes proficient along this line.

On the center, as a sort of a crest, a contrasting flower could be used. Say for instance with the yellow jonquil, lily of the valley would make a pretty finish to an always popular combination of yellow and white. Or where white narcissi are used a center of purple hyacinths would be effective.

This pyramid centerpiece can be very effectively made with pink sweet peas, but when bunching care should be used in not getting the bunches heavy and even. They should be loose and uneven to make a graceful and effective centerpiece. Lily of the valley could be used to advantage with





BASKET WITH HYDRANGEA, PANDANUS AND RAMBLER ROSE.







these. But where lily of the valley is used for the crest or center, do not use any foliage of the lily of the valley—use the sweet pea foliage. A centerpiece of fine mignonette with a crest or center of violets is attractive and unique looking. Or violets used with lily of the valley. This piece, called the pyramid, is wonderfully effective, but everything depends upon the loose arrangement and sweeping lines on the table from which it should be built.

A. E. KLUNDER.

## THE ROSE.

### Cultural Notes.

At this season we find that a mulch for the roses is required to keep them going. Now that the sun is getting well advanced and more air can be put on the houses, the soil will soon become baked in spots, injuring many of the tender roots that are nearly or quite on the surface of the soil. Before applying a mulch the plants should be tied carefully and cleaned; also clean off all rubbish or any of the remaining mulches that may be washed around to the center or sides of the beds. After cleaning up the beds a mulch of half decomposed cow manure should be put on to the depth of about an inch, and it should be prepared or broken up as finely as possible for good results, leaving it loose on the beds; very often where the mulch is applied and then packed it forms a crust, excluding all air from the soil, which in turn is liable to bring down much good foliage, besides being injurious to the roots. After applying the mulch it should be covered with some fresh soil which will keep the mulch fresh for a much longer period. The soil will also prevent the fermenting manure from spoiling the foliage and flowers. Enough soil should be used to cover the mulch nicely, and it will be found later (when it comes to working over the mulch) that the soil mixed through the manure makes a much more satisfactory mulch than manure alone.

After mulching great care must be taken when watering. The great mistake many make (that are not familiar with the work) is to allow the bottoms of the beds to become too dry, especially where the heating pipes are very close to the bench bottoms. It is a good rule to use a little less manure on solid beds than on the benches unless the soil is of a sandy character that dries out rapidly. It is also a safe plan to leave a crack of air on at night for a week after mulching, otherwise the ammonia released from the manure may bring down some of the foliage. After the mulch has been on for a couple of weeks it should be gone over by hand and broken up finely on the surface. This loosens up the mulch, allowing air to reach the roots and at the same time destroys many weeds. Too much care cannot be used now in ventilating the rose houses and the steam or heat should be cut off as early in the morning as possible. Raise the vent sash gradually, causing no rapid fall or rise of the temperature when applying or reducing the air. Do not be afraid to leave air on the houses at night if

the thermometer is registering from 40° to 50° outside, as it will often do at this season.

The present is a good time to prune and start up the summer roses such as Kaiserin, or others that have been allowed to rest up during the winter months to be run especially for summer blooms. Kaiserin is one of the most popular roses for summer; also Pres. Carnot, and in certain sections several other varieties do equally as well. However, the pruning should be done now, and if the plants are on own roots they can be cut back hard, as they will usually break freely from the roots under the soil. On the other hand, where grafted plants are to be pruned, we have found them to do better if pruned back to two eyes or so of the past season's growth. If this should leave the plants rather tall and headroom is required it would be advisable to lay the plants down, tying them to a running wire stretched about a foot from the ground, a wire to each row running lengthwise the house. After pruning distribute the wood evenly over the wires and remove several inches of the old soil, disturbing the roots as little as possible and fill in around the plants with a compost of half soil and half manure, cow manure preferred. Before filling in with the mulch a liberal dressing of ground bone should be dusted over the beds. After the soil has been leveled off, give the plants a good watering and spray overhead daily. Keep the house at a night temperature of 45°, increasing it gradually to 60° at night, which should take three or four weeks to bring up to a normal temperature of 60°, allowing plenty of air at all times and using as little artificial heat as possible. Do not put off this work, as once the eyes are started a great many are broken off when handling the plants and go slow with the temperature. Let the roots get well started before the foliage, then the plants will come with good stems and good foliage. Do not let the beds become too dry at any time.

E.

### Roses in the South.

The days are visibly lengthening now and the plants are making a brave showing, throwing up strong bottom shoots. Water may be given a little more freely and a sharp lookout kept for thrips and red spider. The plants should be kept regularly tied up and all fallen and decayed leaves removed from the surface of the beds. Disbudding the strong shoots should also be attended to, going over them at least twice a week. A thick mulch of cow manure put on the beds now will help to keep the roots cool and prolong the period for cutting good flowers. This operation will be varied according to latitude. The month of March generally ushers in the spring crop of mildew and extra precaution must be taken to guard against it, especially with a hot water heating system. Give all the air possible and try and have the plants with the heavy leathery foliage which resists mildew to the utmost. Any coddling from now on must be avoided.

It is time now to look over the young stock, selecting the strongest plants and shifting them into 3-inch pots. Use a rather richer compost

than for the first potting, adding a liberal sprinkling of bone meal. The balance of the plants should be carefully weeded and the top surface loosened up with a thin pointed stick, and this should be done before watering or when the plants are well dried out. To do it after the plants have just been watered is detrimental instead of beneficial. A late batch of cuttings may yet be made, but lose no time.

WM. LEAR.

### New European Roses.

Marquise de Ganey (P. Guillot).—The largest hybrid tea rose; ample dark green foliage, vigorous, erect grower; bud very large, carried on a long fairly strong stem; flower enormous, double, cup-shaped, petals broad, fine silvery rose in color; fragrant. Cross between Liberty and La France, it retains the rigidity and form of Liberty, with much greater size, and the foliage of La France, of which it has certain characteristics and the freedom of bloom of both parents; an acquisition.

Louis Barbier (Barbier).—Pernetiana-Mme. Bérard Capucine Bicolore. Vigorous climber, shoots three to ten feet long, covered with flowers; blooms very early, in May; flowers semi-double, in clusters of two to six; petals coppery red, opening bright scarlet, exterior copper yellow, deeper at the base. New, striking color, as brilliant as Capucine Bicolore; leaves thick, shining, deep green; blooms during the summer, but not absolutely remontant.

Madame Portier-Durel (P. Guillot).—Hybrid of Wichuraiana. Very vigorous hardy plant; very long climbing branches, foliage shining purple, flowers on panicles, small, very double, very well shaped, snow white without other shading, pronounced odor of lily of the valley. First-class variety and a worthy companion of Dorothy Perkins.

Berthe Gaulis (Bernaix).—Hybrid tea, strong stems, large, long full buds, often solitary on strong upright stalks, a fine bright rose color, pure brilliant carmine lake. Flower very large, perfect, petals numerous. Very free blooming, adapted either for cut flowers or outdoor planting.

Crème Simon (P. Guillot).—Hybrid tea, vigorous plant with erect branches, plentiful foliage, shining dark green; flower creamy white, the center sometimes salmon brightened with carmine, very double, opening well, camellia shaped; delicate perfume—(Gold Medal).

Principal A. H. Pirie (Bernaix).—Hybrid tea, beautiful, very double flowers, opening freely and keeping well. Strong plant with good foliage. Stalks stiff, flowers silvery pink, cochineal in the center, petals alternately imbricated with the upper edges recurved.

Joseph Liger (Barbier).—Wichuraiana Irene Watts. Very floriferous, strong growing, flowers in panicles of 20 to 30 flowers, color delicately shaded canary yellow inside, bordered light rose, exterior petals cream white; flowers three to four inches in diameter.

Désiré Bergera (Barbier).—Wichuraiana Bengale Aurore. Climbing, vigorous and free blooming; flowers in clusters of two to six, very double, medium, fine coppery rose, and light copy red center.

Capucine Bicolore merits a greater popularity for its brilliant color and good effect in masses.



## WITH THE GROWERS

Poehlmann Bros. Co., Morton Grove, Ill.

Just where Poehlmann Bros. Co. will stop building it is difficult to say, for every time we visit this magnificent, up-to-date plant we find a number of new houses. Last year 26 were added, and already this year preparations are under way for eight more. Fifteen acres of additional land adjacent to Plant B have been purchased and the top soil is now being cut for composting. Of the nine new houses at Plant A erected last year eight 27x250 feet were planted to American Beauty roses, the ninth being used for sweet peas, these being now in full crop. In these houses the Garland truss system was used and has proven in every way satisfactory. They will probably be lengthened in the near future, though this has not yet been decided upon. Another smaller addition is the orchid section, where, under the care of a capable grower, some 4,000 cattleyas form the nucleus of what will eventually be a very large collection.

In the rose section the Beauties are not making a very big show just now. Some flowers are being cut, but a good many of the 61,000 plants grown have set buds and are now being mulched with cow manure and will be producing fine flowers for Easter. This feeding will be especially necessary should warm, bright weather ensue between this and Easter, as this is very trying to the plants. At Plant B all the roses are in splendid shape and it is impossible to say which is best. Killarney and White Killarney are certainly leaders, while My Maryland, Richmond and Bride and Bridesmaid are superb. Cardinal is grown here quite considerably and is flowering with great freedom now. The condition of the whole of this great range of houses leaves nothing to be desired. The plants are absolutely clean from all traces of insects or disease, and the young shoots they are throwing up are magnificent in every way. As indicative of the opinion of Poehlmann Bros. of the various teas, the following list of what are to be planted the coming season should be of interest:

### ROSES.

|                       |        |
|-----------------------|--------|
| White Killarney ..... | 70,000 |
| Killarney .....       | 67,500 |
| Richmond .....        | 42,500 |
| My Maryland .....     | 30,000 |
| Cardinal .....        | 10,000 |
| Perle .....           | 7,500  |

At present the idea is to cut out Bride and Bridesmaid entirely, though this may possibly be modified. Grafting has been going on some time, and the plants are here in all stages, some just worked, others ready to come out of the cases, and the earliest batches fine stock already. There are still large lots of manetti to graft, 95,000 having been potted in all. All the rest of the immense stock grown here will be own-root plants, and there are many thousands in all stages of development. My Maryland is already an established favorite here, and, like everyone else with whom we have spoken, Adolph Poehlmann says it has only to be kept going during the winter to be one of the best winter roses in existence. It must not

be allowed to check for want of heat or it will be a failure. An excellent feature here is the cement paths between the benches. They keep clean and are far better for the help than slopping around in mud as was always the case with the old soil or ash walks.

The Easter lilies are just now a grand sight and they will be increasingly attractive as Easter draws near. The main crop is of Giganteum, 22,000 of this variety having been potted November 1. This season there has been no question of retarding or forcing. The bulbs were potted and simply had to be kept going right from the start. Otherwise they would not have been on time. Usually one would expect the plants to be short if treated this way, that is, given heat before they had time to make roots, but that is not the case with them here, for they are practically all 30 inches to 40 inches high, with good stems and clean foliage throughout. A finer sight than these big houses all filled with healthy plants just ready to burst into bloom would be difficult to imagine.

In the carnation sections the usual fine condition prevails, and it is needless going over the same ground we have so often noted. As to varieties for reds Victory, Beacon and O. P. Bassett are most largely grown. White Perfection, White Enchantress and White Lawson are the principal whites. Lawson is grown for deep pink, Winsor and Winona for light and Enchantress, May Day and Mrs. Chas. Knopf in the Enchantress shades. May Day is thought very highly of here and will be planted

largely. Propagation, of course, is going on briskly as some 500,000 are needed annually, and these take quite a little looking up. Many are already potted with very large batches now in the sand. August Poehlmann speaks very highly of the Evergreen Brand Flower Fertilizer for carnations.

In addition to these some 500,000 chrysanthemum cuttings are propagated annually and some of the scarcer varieties are already in the sand. But April and May are the biggest months for chrysanthemum propagating, and it is then that the bulk of the plants will be rooted. Returning to the orchids we noted a very good scheme being carried out by A. K. Anderson, the grower here, for establishing weak and small plants. Flats are prepared about six inches wide, two deep and about a yard in length. Cocks are laid on the bottom and the plants secured in a line with the leads all pointing outwards. A crack or slit is left the entire length of the flat for the water to escape, and thus there is no fear of any part of the flat becoming soaked out or water logged. As they grow forward either new peat or additional flat room can be given and the excellent shoots the plants were making are evidence of the wisdom of the treatment. A fine batch of Cattleya Schroderæ in variety is now in flower here.

MANSFIELD, O.—Albert Helbrook, late of Columbus, is now with the Berno Floral Co.

MORRISTOWN, TENN.—H. M. Stetzer is enlarging his greenhouse and installing a new boiler.



POEHLMANN'S LILIES, THREE WEEKS BEFORE EASTER.





PORTION OF A HOUSE OF EASTER LILIES AT POEHLMANN BROS. CO., MORTON GROVE, ILL.

Photographed March 5, 1910. Three Weeks Before Easter. Night Temperature 50°.

#### Robert Craig Co., Philadelphia.

The Robert Craig Co.'s establishment, may be called the "Home of the Easter Flower," as everything that is grown for this annual spring festival is to be found here in quantity and although this season's date is one of the earliest, it appears to have made no difference as everything seems to be timed just right, all likely causes of delay having been anticipated and overcome. To the lover of flowers and whose business it is to handle them, there is no more inspiring sight than houses of well grown plants such as are to be seen here. One of the first things to catch the eye are the fine blocks of rambler roses, Lady Gay and Dorothy Perkins have several houses, the stock of both kinds being large and varied as to size. They have been trained in various shapes, such as globes, pyramids, fans and umbrellas, and there are many in the usual bush form. For so early in the season they are unusually well budded and at this writing, March 5, are for the most part just commencing to show color with a flower open here and there. The popularity of these pink rambles has relegated Crimson Rambler to the rear and there is but one house given to this old favorite. What there are, however, are fine. *Tausendschon*, with its lovely semi-double flowers, a most popular pink rambler, is also seen in quantity and in all sizes from 3 to 10-inch pots. No Easter stock is complete without a liberal selec-

tion of these varieties. A house of Liberty and Killarney in 6 to 8-inch pots, as well as another of Magna Charta, are filled with very well budded plants. Next in importance are the azaleas, a very superior lot of plants in a great variety of colors. Some superb specimens in the larger sizes are exceptionally well budded plants of Mme. Van der Cruyssen being very noticeable. There is also a fine assortment of small sizes, natural own root plants and grafted stock, especially for basket work.

The lilies are timed nicely and the houses of this true Easter flower are a pleasure to see. They are mostly in 6-inch pots, with a limited supply of pans, there not being so many of the larger sizes as usual. A large house of *Spirea Gladstone* with a few of the new pink was a very pretty sight, the masses of green flowers rising above the foliage just commencing to show a tinge of white. A house of genistas full of shapely plants with an occasional yellow spray showing from the many buds looked very promising. *Rhododendrons* filled a large house; all the popular varieties in various sizes very well budded were to be seen, and marked one of the features of the place. *Hydrangeas* are also grown in quantity one of the largest houses being filled with well budded plants. Lily of the valley in 6-7-inch pans will be ready for the select trade, there being a good demand for these at this time.

A block of closely flowered bou-

gainvillea, well shaped plants, in convenient sizes, just coming into color, was an interesting feature. A few plants of this beautiful flower are sure to draw attention in any retail stock. Hawthorn, double flowering almond, and *Azalea mollis* are seen in limited quantity. A few of these are necessary for customers who are looking for novelties or something different.

*Ficus pandurata* is now one of the staple foliage plants; notwithstanding the large quantity of stock plants on hand. Mr. Craig says they are not able to keep up with the demand and the assortment is confined to mostly small sizes. He says they hope to gain the coming summer, having added to the stock plants and will have a stock of all sizes in the fall. All kinds and sizes of the Boston fern family are offered in quantity as well as crotons for which latter the firm is noted, having the largest stock in the country. A house of dracenas, mostly *Massangeana*, presents a fine sight; these will be in great demand later on. Mention should also be made of the immense stocks of cyclamens and *Begonia Gloire de Lorraine* coming on for next season. One hundred thousand cyclamens are a good many for one firm to handle but they are here and all looking fine, as yet planted out on benches with plenty of room to spread out.

*Begonias*, 90,000, in 2 and 2½-inch pots, all leaf cuttings, many of them being grown for orders, were coming



along nicely. Thousands of these as well as cyclamens are sold in quantity lots to the trade for growing on. In order to provide room for handling the increased Easter trade the packing shed has been lengthened and doubled in size. In looking over the situation and the prospects judging from the early orders received. Mr. Craig said he thought the coming Easter trade of the country would be a record breaker. K.

#### Godfrey Aschmann, Philadelphia.

One of the busiest places at this busy time is that of Godfrey Aschmann at 1012 Ontario street, Philadelphia. In walking about this place one wonders how so much stock can be turned out in a season as is shipped from here. Both the United States and the Adams express companies call with empty wagons thrice a day and oftener in the busy seasons of Easter and Christmas. Azaleas are now the feature here, several houses of them, very fine plants in the popular quick selling sizes, all bushy, well budded plants of the best varieties with Mme. Van der Cruyssen leading. A house of Spirea Gladstone just right as to time and with splendid spikes of bloom and luxuriant foliage is one of the leaders. Cinerarias are a specialty and are very well done, the house 125 feet long, being a bewilderingment of color. These Mr. Aschmann says are among his best sellers.

Easter lilies, a fine lot, well flowered, a direct importation from Japan, were selling fast but not by themselves as, at the low price he offers, other things must go along. Hydrangeas are also well done. They are a splendid lot, fine bushy plants with fine heads of well-colored blooms. The bulbous stock is in fine shape, tulips, hyacinths and daffodils, all his own importation direct, so as to insure the best bulbs, looked to be timed just right. In addition to the Easter assortment there are large quantities of young stock crowding out from every conceivable place, edges of benches, hanging shelves and over doorways. In fact every inch of space is utilized for young plants, seedlings, cuttings, etc. Begonia Erfordii, Primula obconica, Ipomea noctiflora, Begonia Flambeau, ferns, etc., are all included. Kentias are also seen in quantity in the quick moving sizes and a quantity of rubber plants for which Mr. Aschmann always finds a market. Taken altogether, the stock as a whole is the best Mr. Aschmann says he has ever offered. K.

PEORIA, ILL.—H. C. Otto is building a greenhouse at 1422 North Glendale avenue.

ROCHESTER, N. Y.—At the monthly meeting of the Florists' Association March 4, the date of the annual banquet of the organization was set for March 14, at which time the executive committee of the Society of American Florists is to visit the city. The occasion of this visit is to plan for the national convention of the association, which is to be held in Rochester in August. On the executive committee is F. W. Vick, president of the local association.

## THE CARNATION.

### Carnations in the West.

The propagating still to be done should be attended to without delay as quickly as enough of the cuttings get into condition. If possible every cutting needed should be in the sand by March 15; after this date it will be much more difficult to root them, besides allowing so much shorter time to make a plant. Considerable stock can be worked up from any new seedling or scarce variety for a longer period than this, but the percentage of rooting will be much less and the plants undersized for the season's work. As soon as there is any let up in the severe weather, causing less heat to be used, extra caution must be used not to get the sand overwatered. The steady bottom heat underneath the propagating bed is what dries the sand out quickly and when there is a let up on this the sand will soon get sour, unless extra care is taken to prevent it becoming too wet. It is important that the rooted cuttings be got out of the sand as soon as they have sufficient roots, because, after root action has taken place, the growth becomes very rapid and in a short time the young plants are ruined.

The young plants now in pots or soil that have been potted or boxed from time to time during the past month or two will be growing rapidly by this time, many of them lengthening out their growth. These should

damage the young stock more quickly than to allow the fly to get down into the shoots.

The earliest propagated stock will need repotting into larger pots now, but do not attempt any repotting until the plants are established enough to need it. An overabundance of soil at the roots is detrimental to the young plants' well-being and, unless extra judgment is used in caring for them, stem rot will set in. The flowering plants should receive close attention to all their needs. Disbudding should be attended to frequently and regularly and, from this time forward, means removing considerable of the side shoots, all varieties producing quite a surplus of side growths with every main stem. The watering should be regularly attended to so that there is not any extremes either way. Plenty of ventilation is also very important to keep the growth healthy and the quality of the flowers good.

C. W. JOHNSON.

### The Trend of the Times.

A paper read by Albert M. Herr, Lancaster, Pa., at the monthly meeting of the Florists' Club of Philadelphia, March 1.

The trade papers have been full of carnations and Carnation Society matters for the past month, but they seem to be an inexhaustable subject, and I will try and not repeat too much of what has been said. There seems to be no diminishment in the number of promising novelties year after year; in fact, they seem to be



J. F. AMMANN, EDWARDSVILLE, ILL., AND HIS AUTOMOBILE.

be topped back as soon as they get into the proper condition. Those of the young plants that are well established should be treated to a cool temperature at all times. They require plenty of fresh air without direct draughts. Also see that they are kept a little on the dry side. It seems hardly necessary to warn against allowing the insect pests to get the upperhand, but this is a very important point, and I would urge every grower to fumigate regularly, whether the fly is visible or not, for there is nothing that will

increasing in number and wonderfully increasing in quality. Those of us who were in Pittsburg could not help but remark on this feature of the novelties exhibited there. Just what to expect from these novelties from a commercial point of view is a question for the future; no doubt many of them will prove a disappointment to either the originator or the buyer or both, but what a monotonous world this would be with no disappointments to make us properly appreciate our successes.



In my address at Pittsburg I recommended that a report be secured from a number of growers giving their experience with the introductions of the previous year, these reports to be sent to the secretary of the Carnation Society and published in pamphlet form each year. The society, or rather the committee, I appointed to take up the recommendations in this address, did not see fit to even bring this up for discussion. We can hardly ask the trade papers to take it up, but the various florists' clubs might have an experience meeting each January and discuss this matter of the preceding year's novelties, pro and con, the opinions of the commission man and the store man being quite as valuable as those of the grower. We can not expect to get as good results as the national society could, but, with a free interchange of opinion, we can buy the second year novelties with some assurance of success, and quite a number of the \$50 per 1,000 varieties would be hunting buyers at 50 cents per 1,000. Publicity of failures is needed and badly needed. Elbert Hubbard says: "Let each individual work toward the betterment of as many other individuals as he possibly can, and his financial reward will be money flowing into his pockets as naturally as water flows into a river." How many successes have you had among the novelties bought last season? Don't keep them to yourself. How many failures have you had among the novelties you bought last season? Tell us about them. Some one among us may be able to put you on the track of making this failure a success; if not, then neither you nor I want to plant it another season.

#### GUARANTEE TAGS.

Another point I tried to bring out and which was ignored by my committee was to have a tag attached to each bunch of flowers, giving the date they were cut and the grower's name on it. This in the course of time would be looked for and demanded by the final consumer as a guarantee of good faith. I would like to see a fresh flower law enacted on similar lines to the pure food law and believe that such a law properly enforced would treble the use of flowers. Not long ago I was in a store where a good looking vase of Enchantress was in the window. The clerk told me about half the blooms in this vase were flowers from Chicago and that they were three days old, the balance of the vase being fresh flowers from a local grower. Enchantress is not the best of keepers and we all know that the final consumer getting flowers from this vase was foreordained to disappointment. Let our carnations be sold under a guarantee by the retailer that they have been cut on a certain date, and add a little advice as to the best method of keeping, and many an occasional buyer will be turned into a regular customer. It is not so much the price of flowers that interferes with their sale as the fact that, in many cases, the buyer receives so little value for the money spent. Let the grower try and grow such varieties as are known to be good keepers, making this one of his first demands in buying a novelty; then let him grow them properly and tag them as previously suggested, and, in the

course of time, the man who does this will find himself on the high road to success, and the man who does not will be traveling in an opposite direction.

#### GOOD KEEPERS.

Enchantress and all of its sports can, if well grown, be turned out moderate keepers, but the careless grower wants to leave them alone. Pink Delight, Victory, White Perfection, all of the Lawson type, Winona and O. P. Bassett are all good keepers under ordinary culture, and it is this class of varieties that should be planted in quantity and some of the softer but perhaps more beautiful sorts be experimented with until you learn to handle them and turn out flowers that will give good satisfaction. Another point I tried to bring before the Carnation Society was our lack of

business methods and ideas. The retailer in our business is perhaps nearest in 1910 business methods, but he has much to learn; the commission man follows along about 1900 style and the grower is lagging back somewhere about 1850 style. Not that I know much about 1850 business methods, but it will do for a simile, and I believe is a correct one. We do not need cultural methods; we have them once a week in four trade papers, but we do sadly need business methods, and we need some one to come into our societies who has made a study of modern business and tell us something about this end of our work.

There is some money in carnation growing. In witness thereof just note the modern \$8-\$10,000 houses going up exclusively for carnations. The man who has the cash to pay for these



A RECENT EXHIBIT OF THE ART FLORAL CO., SAN FRANCISCO, CALIF.



structures is all right; the man who builds on credit will have many a weary year before his houses are paid for. I maintain that the modern carnation establishment can not produce carnations at a profit for less than a two cent average from September 1 to June 1. Keep records charging up every item of expense, interest, taxes, wear and tear and every item that goes into the production of carnation blooms and see if I am wrong. When you see retailers paying \$1,600 a year rental for their store, and wholesale establishments without number in all of the larger cities and the grower adding house after house, you naturally conclude each and every one is making money a la Rockefeller. Analyze the situation carefully and you will find a triumvirate competing haves. I am not up in business methods well enough to suggest a remedy, but I want to give this as an opinion, and that is there are entirely too many commission houses in the larger centers and the competition among them is getting to be a bit hard on the grower. The grower, the retail man, the commission man and the final consumer are all component parts of what is and ought to be an immense business. The healthy increase and life of that business needs the encouragement of each of these sections. Get together.

#### Joseph Streit.

##### PRES.-ELECT BUFFALO FLORISTS' CLUB.

Joseph Streit was born in the pretty town of Trier on the Mosel in Germany, February 16, 1876. While his parents were not engaged in the cultivation of flowers, Joseph always wanted to be among them. His parents apprenticed him with a grower of his town and after two or three years the spirit of unrest and want of more knowledge prevailed and he sailed for America, arriving here in November, 1892. After a few months with an uncle on the Hudson and a few more with a grower in the vicinity of One Hundred and Twenty-sixth street, New York, he started for Buffalo where he was employed by J. H. Rebstock for a time, then accepted the assistant superintendency of planting at the Pan American exposition from which he resigned to take charge of S. A. Anderson's greenhouses, where he has been engaged since April, 1902, and sending out as fine a lot of Begonia Gloire de Lorraine as the American market has seen and producing all the plants and bedding stock that S. A. Anderson has use for. Mr. Streit is young and what he has in store for floriculture in plant work is in its infancy as he is a deep thinker, a great reader and still does not forget the pleasures of the club and bowling team, being a regular attendant at each meeting. **BISON.**

**SELAH, WASH.**—The Selah Valley Nurseries have incorporated with a capital stock of \$5,000. The incorporators are Clarence B. Wood and A. C. E. Brown.

**NEW ROCHELLE, N. Y.**—W. S. Hitchcock Co. Inc., is making preparations for the opening of its new store at 370 Main street, which is now undergoing extensive alterations. A large conservatory and greenhouse are being built in the rear of the store.

## HALF HOUR CHAPTERS FOR FLOWER GROWERS

### Sweet Peas.

Where the vines of sweet peas have been flowering for some time and are getting weak and producing smaller flowers, it is time to think of replacing them with young clean stock, taking out a bench or a part of a bench at a time, according to requirements and quantity grown. To shorten the time between crops these seasonal plants should be raised in small pots and the benches cleared and replanted when these are ready.



Joseph Streit,

President-Elect Buffalo Florists' Club.

By these means very little time will be lost and there is plenty of time to raise flowers long before they can be had from outdoors. Two or three seeds should be sown in a 2-inch pot and the seedlings thinned to one, or two at most, when they are strong enough to insure their standing. It is important to see that the soil in these small pots does not sour, which it is apt to do unless the watering is judiciously done. A light, sandy mixture, with a little rough old manure or leaf soil in the bottom of the pots, is best. Those hustling growers who have no time to do this, and think it a waste of time, are they who lose most young plants by damping off in the early stages. If the soil on the benches has only grown one crop it will probably be good enough to grow another if turned up deeply and allowed to dry out for a couple of days and a little new soil added. Fresh manure is not advisable, just the ordinary composted soil as used for potting or benches. Get this all ready for planting by the time the young stock is ready, then there will be no fear of the plants becoming starved or rootbound. Plant firmly and water each plant carefully after planting. This watering will keep all right for a few days if light spraying is given and the surface soil lightly scratched over to prevent too rapid loss of

moisture. When established the same treatment as given the flowering vines will be necessary, except that much more care is needed in watering until the first flowers are set.

### Annuals Indoors.

Where the plants of annuals, such as marigold, aster, cornflower and sweet sultan, are growing freely the principal attention necessary is to keep the surface soil moving, to avoid overwatering the roots and to watch carefully for insects so that these do not get a foothold. Although in the earlier stages an attack of green fly may appear to be a very insignificant matter and easily overcome, if allowed to go on it simply means ruin to the plants. The insects by sucking the juices of the plants sap their life blood and leave only a crippled specimen that can produce nothing but weak, undersized flowers and is a discredit to any grower. Consequently, just as soon as the first aphid or other insect is seen, fumigation, spraying or other preventive measures must be taken in hand at once and persisted in if needed until every insect is destroyed. Only this way can a good crop of flowers be hoped for.

### Camellias.

There is quite a demand for camellias in some localities and probably it could be worked up in others with a little trouble. Many growers fail with camellias, yet they are easy to grow, if gone about in the right way. If grown simply for cut flowers there is no better way than to plant them out in a small, well-made border or bench. The soil should not be very rich, but must be of good substance, fairly heavy and very firmly placed, rammed, in fact, around the roots so that a good hard, solid growth is made. This makes either solid beds or concrete benches more suitable for the plants than wood benches, the solid beds being best of all. Camellias like a moderately moist root run all the year around and, although the plants rest during winter, any drying off on the one hand or excess of moisture on the other leads to dropping of the flower buds, a frequent trouble with these plants unless carefully handled. Almost a hardy plant, the camellia will not stand forcing conditions. Cool, airy quarters with plenty of light in winter and sufficient shading in summer to keep the leaves from injury are the conditions they like. The plants are not unduly predisposed to insect attacks, but scale is frequently troublesome, especially where the atmosphere is dry and the plants are not sprayed frequently. A thorough washing with water from the hose two or three times a week is of great assistance during early summer when the plants are making their growth, and at this time the roots must also be kept more moist than at any other time. Given these few simple details there is no reason why anyone should fail with camellias, and a few plants purchased and planted out would be all the while growing into money and produce more flowers annually.



### Single Chrysanthemums.

These pretty varieties are annually becoming more popular and there are many very beautiful things offered by specialists in their culture. Plants should be purchased as early as possible, as they can then be propagated freely, one plant being made into five, six or even more and yet be in plenty of time for either cutting or pot work. Propagation of any varieties at home of which stock may be short can also be started now and the resulting young plants can be topped again later. The chrysanthemum roots best in a cool house on the usual sand bench kept moist at all times. No bottom heat is necessary, but shade from bright sunshine should be provided. After being topped and the cuttings inserted, the young plants may be bedded into flats, where they will go on producing cuttings and can eventually be either planted out on the benches or potted as may be necessary.

### Propagating.

The propagating of roses and carnations should be pushed along to a finish now as soon as possible, as it is not well to have late stock lying about unless it is wanted for any special purpose such as planting a new house or section that will not be ready early. Even in such a case it would probably be better to propagate early and give the plants an extra shift, the larger plants at planting out time offsetting the extra expense of potting and the labor of planting out bigger stock. This refers, of course, to roses rather than carnations. Grafted plants in the cases should be watched carefully and sunshine rigorously excluded until they are well united and growing freely. Sun wilts the plants quickly and badly wilted growth seldom picks up properly. As soon, however, as the plants are sufficiently callused to stand it a little air night and day will prepare them for removal from the cases.

HITCHINGS & Co., New York, have been awarded the contract for the new conservatory to be built in Nay Aug park, Scranton, Pa. The house is the gift of John Cleland and the plan shows a very attractive and useful looking house.

### To Be Done Now.

#### IN THE GREENHOUSES.

Watch young cyclamens very closely for thrips and other insects and take means to destroy them on sight.

Give only enough heat to growing dahlias to keep them gently moving, a solid slow growth being better than a rapid one.

Keep poinsettias quite dry at the roots and cut the plants back to sound wood.

#### OUTDOORS.

After the frost goes out of the ground, look over the bulb beds and tread in any that may be lifted.

Head back apple and pear trees that are to be grafted to improved varieties



G. L. FREEMAN, FALL RIVER, MASS., (ON MULE) RETURNING FROM AN ORCHID COLLECTING TRIP IN COLOMBIA.

Keep the flowers pinched out of alternantheras, as they only check the growth.

Allow plenty of light and air around all newly flatted seedling bedding plants just as soon as the roots have taken a hold of the soil.

Watch seedling asters and stocks and see that they are not allowed to become infested with green fly.

Watch the fires on bright mornings following cold nights, as too much heat on the pipes is apt to cause insect attacks.

Keep all decayed geranium foliage carefully picked off, as the decay is apt to spread to healthy plants.

Keep the syringe going freely among the hydrangeas now starting up for Memorial day.

Don't try to rush lilies that are evidently too late for Easter. They will be useful whenever they come in.

Avoid drip on the pans or flats of seedling ferns or they will die out in patches.

this year, but leave a little wood to be cut back just before grafting.

Rose pruning should not be hurried, as late frosts occurring in May are very apt to injure the young shoots.

Plant *Eremurus Himalaicus* and *E. robustus* in a sheltered position if possible. These plants are hardy enough, but the foliage is apt to be injured by cold drying winds in spring.

Leave fruit trees alone as long as frost continues, but start pruning as soon as the thaw begins, commencing on the larger and hardier trees first.

## OBITUARY.

### Francis G. Dwight.

On his eighty-second birthday anniversary, Francis G. Dwight, a native of Reading, Pa., and a well known dealer in seeds, died as the result of a stroke of paralysis, at his home, 1574 Mineral Spring road, February 26. He has been in failing health for three years. Mr. Dwight was the first seed dealer in Reading. His first business place was at 512 Penn street. Later he moved to 518 Penn street. Pressed for room, Mr. Dwight moved his business to 343 Penn street, where he continued until five years ago. Deceased is survived by his widow, Ida E. (nee Hoeckley), and nine children.

### Our Supplements.

Subscribers should see that they get copies of the fine supplementary illustrations showing high grade design and decorative work. These fine supplements appear with each issue and should be carefully preserved, as they mean much to the retail florists in dealing with their customers, illustrating as they do the various kinds of work that the everyday florist is called upon to perform.

The papers in which the supplements appear should be likewise preserved, as they contain much valuable data with regard to these special illustrations. Subscribers should see that they get every issue as otherwise they may miss some of this high grade work.



IN THE CATTLEYA DISTRICT IN COLOMBIA, (FREEMAN).



# THE AMERICAN FLORIST

1885 TWENTY-FIFTH YEAR 1910

Subscription, United States and Mexico \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

Eastern Representatives:

A. F. FAULKNER, 1133 Broadway, New York.  
KOB. KIFT, 1725 Chestnut St., Philadelphia, Pa.

**THE AMERICAN FLORIST,**  
324 Dearborn St., CHICAGO.

**THIS ISSUE 60 PAGES WITH COVER.**

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Before man's fall, the Rose was born,  
So Ambrose says, without a thorn.

EASTER in two weeks.

A MAJORITY of 200,000 school children has voted "black eyed Susan" the state flower of Maryland. The gorgeous display of the Maryland colors, orange and black, was one of the principal reasons for the choice.

## Society of American Florists.

The mid-Lent meeting of the executive board of the Society of American Florists will be held at the Seneca hotel, Rochester, N. Y., March 12 at 10 a. m., and will continue until March 15, inclusive.

H. B. DORNER, Sec'y.

## American Rose Society.

### PROGRAMME OF THE PROCEEDINGS.

The annual meeting of the American Rose Society will open at 7:30 p. m. sharp on Wednesday, March 16. The transaction of business will be in the following order:

Calling to order, by President August F. Poehlmann.—Address by the president.—Reading minutes of previous session.—Secretary's report.—Treasurer's report.—Report of committees.—Selection of place for next year's meeting.—Miscellaneous business.—Election of officers.—Appointment of committees.—Adjournment, as business may require. A question box will be opened at the secretary's desk. Under the order of essays and discussions, addresses will be made as follows:

First Session.—Paper by Adolph Farenwald, Roslyn, Pa., on "Roses—The Brightest of Flowers." Paper by S. B. Sibson, Portland, Ore., "North Pacific Coast Roses."

Second Regular Session.—(Thursday afternoon at 2:30 p. m. sharp.) Address by James Wood, Mt. Kisco, N. Y., president of the Horticultural Society of New York, on "The Ideals of Horticulture." By Geo. V. Nash, secretary of the Horticultural Society of New York, on "The Rose and its History." An illustrated lecture with colored lantern slides.

The American Rose Society fixed no hotel headquarters in the city, as all the business pertaining to the annual meeting will be transacted at the American Museum of Natural History.

There has been another prize of \$10 offered by S. J. Reuter & Son, Inc., Westerly, R. I., for the best vase of My Maryland roses of 50 blooms.

Joseph A. Manda is the manager of the exhibition.

The Horticultural Society of New York has issued a joint premium list with the American Rose Society, and in that list the value of the silver cup, offered by Moore, Hentz & Nash, of New York, should be placed at \$50. It is listed as No. 190 in Division F.

BENJAMIN HAMMOND, Sec'y.

## Flowers for Parisians.

It would be difficult to ascertain how much money is spent in the year on flowers in Paris, but some idea of the colossal dimensions of the traffic may be gathered, says the Chicago Record-Herald, from the estimate formed by competent persons that every year the purchases of flowers made by the Paris market in the single department of the Alpes-Maritimes amount to nearly \$15,250,000.

A typical example of the orders received on occasions by Nice and adjoining towns is furnished by the sums spent in flowers for the funeral of President Carnot in July, 1894. The consignment sent to the capital alone from the Riviera represented more

than \$300,000, while almost as much came from the provinces and from abroad. So enormous was the demand for all kinds of flowers that the great flower market at the Halles was quite unable to cope with the business. The florists, therefore, treated directly with the horticulturists in the environs of Paris, and several times a day they visited the gardens and bought up without discussing the price whole flower beds of rose trees, marguerites, pansies and marigolds and greenhouses of orchids.

The Czar of Russia ordered his ambassador in Paris, Baron de Mohrenheim, to send a wreath to the interment worth 8,000 francs (\$1,600), and told him to get it from a florist in the rue Royale. But the house in question was unable to execute the order, and so it went to a firm in the Boulevard de la Madeleine, which supplied a magnificent wreath for \$1,000. As at the funerals of Victor Hugo, Thiers and Gambetta, the number of wreaths as at the interment of President Carnot, was very considerable and many measured several yards in circumference.

The flowers sold in Paris may be divided into two main categories, "le Nice," "le Midi," which reach the capital in large quantities every day by the trains of the P. L. M. company and "le Paris" or "le chauffe," so called because they are the product of conservatories where their growth is forced by artificial methods, after which they are brought to the Halles by the gardeners from their establishments around the city, carefully wrapped up and protected from the cold. "Le tres beau Midi" goes to the best florists who pay top prices, "le Midi ordinaire" to the little florists and the humble flower sellers who hawk their perfumed stock in trade around the streets.

The "chauffe" cost more than the beautiful roses and violets of Nice, for the reason that the artificial sun to which they owe their birth is a very expensive affair, whereas the Riviera horticulturists get theirs for nothing. A Paris florist sometimes charges three or four francs for a rose in winter. But perhaps it has cost him two francs; he has ordered five or six dozen roses from the south of France, but when they arrive a dozen are "perdues," and unsalable, and the loss has to be made up on the others.

The bouquets and corbeilles which figure on the tables of the wealthy frequently cost 100 francs (\$20), but they contain perhaps two or three dozen orchids for which the flower dealer has paid a good price. Besides, the corbeille is a veritable work of art, a picture, and is the achievement of a special employe known among florists as a "coloriste," whose occupation is to arrange the flowers so that they shall look their best and speak their most seductive language. The coloriste is generally a woman.

Her first duty in the morning is to dress the window, so utilizing the grace and harmony of her floral treasures that the passerby will be so charmed, so fascinated, that, after a moment's hesitation, he or she, yielding to the irresistible art of the coloriste, will enter the shop and buy the flowers.



## Meetings Next Week.

**Baltimore, Md., March 14, 8 p. m.**—Gardeners' and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.

**Boston, Mass., March 15.**—Gardeners' and Florists' Club of Boston, Horticultural hall, Cleveland, O., March 14, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit street.

**Lake Geneva, Wis., March 19, 8 p. m.**—Lake Geneva Gardeners' and Foremen's Association, News building.

**New Orleans, La., March 13, 2 p. m.**—Gardeners' Mutual Protective Association, 118 Exchange alley.

**New Orleans, La., March 17, 8 p. m.**—New Orleans' Horticultural Society, Kolbs' hall, 127 St. Charles avenue.

**New York, March 16-18.**—American Rose Society, American Museum of Natural History, 77th street and Central Park West.

**New York, March 14, 7:30 p. m.**—New York Florists' Club, Grand Opera building.

**Rochester, N. Y., March 14, 8 p. m.**—Commercial Florists' Association of Rochester, 416 Cutler building.

**Scranton, Pa., March 18, 7:30 p. m.**—Scranton Florists' Club, Guernsey building, Springfield, O., March 14.—Springfield Florists' Club, office of Good & Reese Co.

**St. Paul, Minn., March 15, 8 p. m.**—Minnesota State Florists' Association, 510 Snelling avenue, North.

**Toronto, Ont., March 15, 8 p. m.**—Toronto Gardeners' and Florists' Association, St. George's hall, Elm street.

## Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

**Situation Wanted.**—Gardener, with good references, married, wishes position. Address Key 464, care American Florist.

**Situation Wanted.**—Gardener and fruit grower, expert viticulturist, wishes position. Address Key 465, care American Florist.

**Situation Wanted.**—By young man 30 years old; married, no family; private or commercial; best of references. W. R., 1236 Wabash-av., Chicago.

**Situation Wanted.**—Young man, single, wishes position; thoroughly acquainted with carnations, vicinity of Milwaukee preferred. 5 years experience. JOHN SCHWENK, 98 Pearl St., Kingston, N. Y.

**Situation Wanted.**—By a practical grower of cut flowers and general stock, on private or commercial place; 15 years' experience; age 30; single; best of references; please state particulars in first letter. Key 462, care American Florist.

**Situation Wanted.**—By competent grower of cut flowers and potted plants in general; willing to take charge; or as foreman in an up-to-date commercial place; 26 years in the trade; middle age; single, sober. Address Key 461, care American Florist.

**Situation Wanted.**—As working foreman in first-class retail establishment; successful grower of roses, carnations, violets, 'mums, lilies Begonia Lorraine, pelargoniums; life experience; middle-aged; married; disengaged March 1st. J. HODGE 163 Foster St. Mansfield, Ohio.

**Help Wanted.**—Florist and gardener for private place; address with full particulars J. A. BRIGEL, Mt. Airy, O.

**Help Wanted.**—Man for vegetable garden also to assist in greenhouses \$35.00 per month, room and board. Apply C. REARDON, Hinsdale, Ill.

**Help Wanted.**—Man for carnations and general greenhouse work; good potter. G. VAN BOCHOVE & BRO., Kalamazoo, Mich.

**Help Wanted.**—Experienced man to superintend small nursery and to do general landscape work; good future for the right man. Address Key 469, care American Florist.

**Help Wanted.**—A middle aged man to do stable work and gardening, where a good home is preferred to high wages; must be honest and sober. MRS. MARY LUESSEN, Westbury, L. I.

**Help Wanted.**—An all around helper on a greenhouse establishment of 2500 sq. ft. of glass; will pay \$12.00 per week to the right man and steady work. EDWARD TATRO, 407 E. Iron Ave., Salina, Kas.

**Help Wanted.**—A good grower of greenhouse plants and vegetables capable of taking charge. Send copy of credentials and photo; state wages required for permanent place. Apply E. H. H. STANLEY, Baynes Lake, British Columbia.

**Help Wanted.**—A first-class seedsman, competent to run a California city store. State fully your experience and where, nationality, salary you have received and expect, and give references. A good opening for the right man; preference to one who will invest \$2,000 to \$10,000. Give full information in first letter. THOS. SNOWDEN, 701 So. Griffin Ave., Los Angeles, Calif.

**For Sale.**—First class florist business in city of 30,000; reason for selling; other business. Key 999, care American Florist.

**For Sale.**—A piece of ground, 150x150, with greenhouse 22x100; no other florist within six miles. Address Key 453, care American Florist.

**For Sale or Rent.**—40,000 square feet of glass, in good location; needs partial rebuilding; rent accordingly, or will sell at reasonable price. Key 460, care American Florist.

**For Sale.**—5000 feet of glass with dwelling; no competition; a rapid growing trade; a rare opportunity for a florist of small means. DWIGHT GREENHOUSES, Dwight, Ill.

**For Sale.**—Four greenhouses and 1 acre or more of land; also house and lot next to same in one of best cities of Northern Ohio; one of firm retiring reason for selling. Address Key 455, care American Florist.

**For Sale.**—One brickset Furman boiler in good shape; 1 model No. 30-5 good as new, used two winters, very cheap if taken at once; will install larger one in place of the two. Key 468, care American Florist.

**For Sale.**—A good florist retail and wholesale business; six greenhouses in pot plants, carnations, violets and 'mums; 12 lots, located on a good boulevard; dwelling and barn; \$7,500. THE GOESCHL & WOOD FLORAL CO., 1901 So. Logan, Denver, Colo.

**For Sale.**—10,000 ft. glass in city of 1,800, in the middle west, established retail business of 25 years; close to four large cities; one of the best locations in the country to build up wholesale business; owners are engaged in other line of business and cannot give greenhouse personal attention; present owners can handle entire output of purchaser; a splendid opportunity for live energetic man. Address Key 463, care American Florist.

**Wanted to Rent.**—Fifteen to thirty thousand feet of glass; West or Southwest preferred. Address Box 215 New Castle Ind.

**Wanted to Buy or Lease.**—with privilege of buying, small greenhouse establishment, in June; have \$1,000 for first payment; Ind., Ill, Iowa, Ky., or Mo. preferred; give full particulars in first letter. Address Key 467, care American Florist.

## WANTED AT ONCE

A sober, industrious man for general greenhouse work. Wages \$14.00. Address

Key 454, care American Florist.

## Wanted Steamfitter.

A man of experience for day fireman; must have a knowledge of pipework and general repairing, steady place and good wages to right man, either single or married; house furnished.

Key 466, care American Florist.

## Situation Wanted.

By first-class young Hollander, married, no children, four years' American experience and ten years' experience in different countries in Europe and East Indies; private situation preferred; experienced in landscape gardening and managing a private estate; also capable of managing an ornamental nursery; eastern states preferred; age 30.

Key 426, care American Florist.

## TO RENT.

A very rare opportunity of one of the most modern and up-to-date florist establishments of about 15,000 sq. ft. glass; hot water heat; Superior tubular boiler; entire place equipped with electric lights, cement walks and floors; work building 20x115 two stories 8-room modern flat; good established business; the conveniences and accommodations to all transportation, etc. are too numerous to mention; they cannot be excelled; if interested an investigation will convince.

RICHARD F. GLOEDE, 1405-1407 Central St., Evanston Ill.

## HELP WANTED.

A first-class man to act as manager of a large commercial place where roses and carnations are grown; must have had experience and be competent to take full charge; good salary to right man. In answering, give full particulars as to experience, etc.

Key 470, care American Florist.

## ANNOUNCEMENT.

500 Fifth Avenue, New York, March 5, 1910.

MR. ARTHUR HERRINGTON desires to announce that he has resigned his position as superintendent and landscape gardener at "Floram," the estate of the late H. McK. Twombly, which position he has held for over fourteen years. On and after April 1st he will engage in the practice of landscape gardening. He respectfully solicits your patronage.

His clients may rest assured that his long and successful experience in all that pertains to making a beautiful country home will insure to their benefit in any undertaking with which he may be entrusted.

Office: 500 Fifth Ave., New York.

care of Mr. Thomas Young, Jr., Residence: Madison, New Jersey Telephone 132W.

Easter Souvenir  
Price Lists

We have a fine line of illustrations suitable for

## Easter Booklets and Folders.

Easter Lilies, Crimson Ramblers, Azaleas, Hydrangeas, Lilacs, Church Decorations, Wedding Bouquets, etc.

Write for prices.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago.



## Assessment of Greenhouses.

J. R. HAMILTON V. EDMONTON UNION.

An appeal to quarter sessions of considerable importance to the horticultural trade took place at the Hertford quarter sessions, on Friday and Saturday last. They were 47 appeals of nurserymen in the parish of Cheshunt, and by an arrangement with the assessment committee, four cases were selected as tests, viz.: J. R. Hamilton, A. Matthews, E. Rochford and Thomas Rochford & Sons, Ltd., to be taken in the order mentioned.

The appellant was represented by H. E. Duke, K. C., M. P., Bernard Campion and E. H. Tyndal Atkinson, instructed by Hutchings & Cuff, of 6, Stone buildings, Lincoln's Inn, London, and the union, by J. A. Simon, K. C., M. P., W. C. Ryde and E. C. Fulton instructed by F. Shelton, the clerk to the guardians.

Mr. Hamilton gave evidence as to the condition of his property the Trinity Nursery, Marsh lane, Waltham Cross. The 86 greenhouses with packing shed, stable and water tower, covered a total ground area of 4a. 3r. 4p., and the vacant land covered an area of 6a. 2r. 19p., making a total of 11a. 1r. 23p. Mr. Hamilton said that he worked this property in conjunction with two others in the neighborhood, and for some time past he found that he had not made any profit from this particular nursery. The glass structures were nearly all built 22 years ago for the culture of cucumbers, but owing to their age, and the fact that the soil was so infected with disease, fungoid and insect pests, he had been unable to grow cucumbers for some years. Samuel Bonnett (foreman to Mr. Hamilton) gave corroborative evidence.

Edmund Rochford gave evidence as to the various pests market nurserymen have to contend with, and said he considered that there was no value in this glass beyond its break-up price. He estimated that he could cover one acre of land with glass houses, after allowing a considerable amount for contingencies for about £1,100. Dr. Voelcker gave evidence as an agricultural analytical chemist, as to the eel worm and other insect and fungoid pests found in nurseries, and Professor Massee of Kew Gardens gave similar evidence as to the destructiveness of these pests.

J. B. Slade, F. S. I., partner in the firm of Protheroe & Morris, horticultural auctioneers and valuers, of 67 and 68, Cheapside, London, E. C., said that he had had many years' experience in dealing with the rating of greenhouses in all parts of the country. He had been acting for the whole of the 47 appellants in these cases during the past 18 months, and had been endeavoring to come to some settlement with the assessment committee. He had made several inspections of this property, and in his opinion it would be practically impossible to let or sell the same. He did not think the net rateable assessment upon it should be more than £138 per annum.

P. Michael Faraday, of Faraday & Rodgers, rating surveyors, 77, Chancery lane, London said that his figures practically agreed with those of Mr. Slade. W. H. B. Castle (Castle & Son), 40, Chancery lane, London, valuer to the assessment committee, said that he valued the greenhouses at £6,300, and took 5 per cent on this sum for the rateable value giving £315 11s. 2r. Op. of land at £5 per acre 57

£372

H. Trustram Eve of Westminster and Bedford, said his figures worked out at £571 gross and £381 rateable made up as follows:

|                      |      |
|----------------------|------|
| Glass erection ..... | £334 |
| Buildings .....      | 24   |
| Land .....           | 23   |
|                      | £381 |

W. P. Ryan of Morris & Ryan, 1, Metal Exchange buildings, E. C., said his figures worked out £391 rateable. Alfred Bowyer of Alfred Bowyer & Jones, Enfield, said his valuation as between a willing seller and a willing purchaser of the greenhouses was £6,013 which at

|                          |                |
|--------------------------|----------------|
| 5 per cent gave.....     | Rateable. £300 |
| Stabling, etc. ....      | 18             |
| Land at £5 per acre..... | 57             |

£375

After summing up by counsel, the court retired and on its return said that they had decided to allow the appeal, and reduce the assessment from £498 gross, and £332 rateable, to £330 gross, and £220, rateable, costs to follow the event. The other cases were adjourned till the April sessions.

N. B.—The figures in the valuation list first appealed against, were £675 gross and £450 rateable. These were reduced by the assessment committee to £498 gross, and £332 rateable, the amounts appealed against at quarter sessions.—Horticultural Advertiser (Eng.), February 23.

## European Horticulture.

FROM THE FRENCH TRADE PAPERS.

An international horticultural congress will be held at Brussels, April 30 to May 3, 1910, under the auspices of the Belgian Federation of Horticultural Societies. Horticulturists of all countries are cordially invited to be present and to take part in the discussions, and the date, that of the opening of the Universal exposition at Brussels, is a most favorable one. The sessions will be varied with excursions to the Arboretum and Colonial museum at Tervueren, the royal greenhouses at Laeken, etc. Far-reaching and very beneficial results have been obtained from these congresses in the past, and a large attendance is confidently expected. Among other questions announced for discussion are: Section of Floriculture.—"Germination of Orchids," "Experiments in Floriculture," "Forcing of Flowering Plants in Different Countries as to Method and results." Fruit Culture:—"Rational Catalogue of Fruit Trees," "Culture of Fancy Fruit," "Preservation of Fruit by Cold or Other Means," "To Combat Diseases and Insects." Market Culture:—"Experiments," "Monographs on Special Cultures," "Means of Facilitating the Marketing of Garden Products." Study of Markets:—"Preserve Factories as Means of Regulating Prices," "Study on Production and Selection of Seed," "Social Influence of Market Gardening," "The Rural Exodus." Horticultural Economy:—"Questions of Trade, Transportation and Association." General Horticultural Topics:—"Decorative Planting," "Arboreal culture—Decorative and Forest," "Transplanting of Large Trees," "Evolution of Flower Planting in Parks and Gardens," "The Judicious Use and Proper Construction of Rocks in Parks and Gardens," "Public Plantings in Cities." "Landscape Architecture in Exhibitions"—"Special Materials and Processes:—"Influence of Electric Light on Plants," "Results of Etherization," "Uses of Artificial Cold," "Production of Artificial Cold," "Effects of Hot Water on Shrubs to be Forced."

Remedy for Rose-leaf Rust.—This is caused by a cryptogam (Phragmidium subcorticum) which, of course, preys most easily on weakly plants.

The first efforts, therefore, should be to build up the vigor of the plant itself with liquid manures, the second, to destroy the parasite. A spray made in the following manner has been found efficacious: Dissolve two pounds of sulphate of copper in 10 quarts of water; elsewhere, slake two pounds of lime in five quarts of water; mix the two in an old vessel, adding two pounds of flowers of sulphur, and boil three-quarters of an hour. This gives 12 quarts of a greenish liquid which should be bottled and used when needed. For syringing, add one quart of the liquid to 10 quarts of water, taking good care of the under side of the leaves. In the spring the plants may be brushed with the undiluted liquid, and the fallen leaves should be gathered up and burned in the fall.

The Heating of Moistened Soils.—Recent interesting experiments have been reported to the French academy of sciences in regard to the rise of temperature which takes place when dry soil is moistened. It is found to be due to the affinity which the clay and humus have for water, an affinity so energetic that a very appreciable amount of heat is released. This explains the well known fact that, after several hours' exposure to hot sunshine, the earth drying and attaining a temperature of 110° or so, a rain following will often cause the death of young and tender plants by raising the temperature as it does, sometimes 20 degrees. This also gives a logical reason for not watering in full sunshine.

Clematis Mandshurica.—This beautiful pure white clematis is closely allied to C. recta, but differs from it in manner of growth, possessing a stout stem and growing into a strong bush from six to seven feet tall. This spreads at the top and covers itself, from base to tip with loose panicles of small, six-petaled pure white flowers, which are very fragrant, especially at evening. If the seeds are not allowed to form, new shoots from the base will bloom in August and September. This plant is especially adapted for the open sun and would be invaluable in the hardy border.

Senecio Mikanioides.—This is sometimes called summer ivy and is a most graceful and vigorous climber, growing luxuriantly in the open air during the entire summer season, but is not hardy. If, however, young plants are wintered in a temperate house, they will bloom in spring. The little terminal corymbs of small yellow flowers are very fragrant. Senecio scansens, on the contrary, is a new introduction from China, and quite hardy and vigorous. Its yellow flowers open in October and the vine, of rapid growth, is well clothed with grayish-green, slightly velvety foliage.

A New Montbretia.—A new montbretia, Prometheus, has been recently exhibited, of unusual height and beauty. The stalks exhibited showed a growth of stem of from 40 to 50 inches, and a generous setting of flowers from two to four inches in diameter, of a beautiful brilliant orange with ruddy brown at the base of the segments. This should be a great addition to our gardens, where the montbretias are too little grown.

**Turn Your Surplus Stocks Into Cash By Advertising in the Ready Reference Department. See Page 351.**



# Easter Lilies

Azaleas, Crimson Ramblers, Spiræas,  
Genistas, Cyclamens, Etc. Packed in Crates.

## CUT FLOWERS

Roses, Carnations, Violets, Valley by the thousands.

All Goods Packed with Care. Send for List.

# WELCH BROS.

226 Devonshire St., BOSTON, MASS.

## HITS THE MARK

Largest Paid Circulation

TO THE TRADE -- IN THE TRADE

THAT'S WHAT YOU WANT

THAT'S WHAT YOU G E T

## The American Florist Spring Number

Issued Ten Days Before Easter SECURES THE BUSINESS

This Issue Goes to Press MARCH 16

St. Patrick's Day Number

The Spring Number

The Rose Number

## ALL IN ONE

THE LAST WORD: SEND ADVERTISEMENTS NOW





# We are Strong on Roses and Carnations

## NONE BETTER TO BE HAD.

Can furnish you with the following roses in quantities

**Beauties, Mrs Jardine, My Maryland, Killarney, Perle, Richmond, Bride, Bridesmaid, Kaiserin.**

**CARNATIONS** All the Leading Quality Unexcelled.  
Sorts   

Plenty of spring stock, Tulips,  
Jonquills, Daffodils, Narcissus,  
Sweet Peas, Freesias, Violets,  
Valley and Greens of all kinds.

Roses and  
Carnations  
A Specialty.....

37-39 Randolph Street, CHICAGO.

WHOLESALE  
GROWER of

# J. A. BUDLONG

## CUT FLOWERS

### Chicago.

#### AN OVERSTOCKED MARKET.

Stock continued to pour into the market at the end of the week, and it was quite impossible to move it all. A large buyer of carnations was able to procure flowers of very fair quality at \$5 per 1,000, while bulbous stock, sweet peas and other flowers simply had to be slaughtered to move them at a all, and considerable stock was wasted. The few bright days opened up the flowers very rapidly, not only around the city but at other points to which stock is shipped, consequently the orders were cut down from outside points, while the supply kept getting larger every day. Long-florum lilies are coming in fine in substance, but short, and it looks as though many of the Easter flowers will be this way. Bulbs potted in November and started in heat right away, as many of the Giganteums had to be this season, do not get time to become established in the pots before forcing commences, hence the short growth. Roses, which have been on the short side so long, are now over plentiful, indeed there appears to be an over abundant supply of everything. Orchids have been too plentiful to clean up, and the local growers do not seem able to take a lesson from their eastern brethren as to allowing the flowers to develop before cutting. We see repeatedly what would be excellent cattleyas, if they were allowed to finish, offered in a half developed state; then the growers wonder why the eastern flowers are bigger. C. Triana and C. Schroderæ have the call and there are fine cuts of these elegant species.

Saturday was a bad day but on Monday things seemed a little brighter in some respects. In most of the commission houses handling them, violets were a glut. Some of the eastern stock we saw opened on Monday was absolutely useless when unpacked. There was no fragrance to the flowers—there was an odor—and the petals fell freely on the bunches being shaken. It is useless sending such rubbish, for no self-respecting commission man would risk offending his customers by offering it. Indications are that there will be plenty of white carnations for St. Patrick's day. There is lots of time for the Heinz process to be carried out between March 17 and March 27, still there are hopes that the St. Patrick's day demand may

prevent salting down of whites for Easter to some extent. Time will tell whether the hope that springs eternal in the more or less human breast of the commission man is justified or not. The "nip in the air" the early part of the week caused some comment and it was freely remarked that it would "shorten up rose stock" for Easter. We may be wrong but, judging by the excellent condition of the stock we have seen at the various growing plants around the city, it will take something more than a few cold days, especially if bright, to shorten the cut to any extent and, early as the date is, we shall be much surprised if the usual quota of fine roses is not forthcoming. The plants have had plenty of time to recuperate after the severe cutting at Christmas, and the comparative rest they had in January is reflected in the fine growth now being put on. Bulb stock continues to arrive plentifully, some elegant Keizerskroon and Murillo tulips being noted as among the best this week. Smilax is arriving good, but not over plentiful. Much of the Asparagus Sprengeri coming in is yellow, owing to heating in transit, and good A. plumosus is not too plentiful. Roman hyacinths of best quality have been in demand, also lily of the valley, but poor stock of either drags badly.

#### NOTES.

The Geo. Wittbold Co. reports another busy week. The spring-like weather of a few days ago had its reflex in advance orders for herbaceous perennials, grass seed and similar lines dear to the heart of the suburban gardener, while department store decorations have called for a large amount of stock. Marshall Field & Co., Stevens and Carson, Pirie, Scott & Co. are among the biggest of the orders received during the week, with others in smaller amounts, and the fine weather is also helping the retail end.

Bassett & Washburn's American Beauty sections are now in elegant crop and likely to remain so over Easter. They are sending in over 100 a day of the long-stemmed flowers, as well as large quantities of the medium and short grades. No new building at Hinsdale has been decided on as yet, but several of the older houses will be renovated and put in order the coming season.

## Wietor Bros.,

Wholesale Growers of

..CUT FLOWERS..

51 Wabash Avenue,

CHICAGO.

### Price List

| American Beauties,            | Per doz        |
|-------------------------------|----------------|
| Extra long .....              | \$ 5 00        |
| 36-inch stems .....           | 4 00           |
| 30-inch stems .....           | 3 00           |
| 24-inch stems .....           | 2 50           |
| 20-inch stems .....           | 2 00           |
| 18-inch stems .....           | 1 50           |
| 15-inch stems .....           | 1 00           |
| Short .....                   | 75             |
| Per 100                       |                |
| Killarney, extra .....        | \$10 00        |
| "  fancy .....                | 8 00           |
| "  good .....                 | 5 00 to 6 00   |
| Richmond, extra .....         | 8 00           |
| "  fancy .....                | 6 00           |
| "  good .....                 | 5 00           |
| Mrs. Jardine, extra .....     | 10 00          |
| "  fancy .....                | 8 00           |
| "  good .....                 | 6 00           |
| White Killarney, fancy .....  | 10 00 to 12 00 |
| Brides and Maids, fancy ..... | 6 00 to 8 00   |
| "  good .....                 | 4 00 to 5 00   |
| Uncle John, fancy .....       | 6 00 to 8 00   |
| "  good .....                 | 4 00 to 5 00   |
| Perle, fancy .....            | 10 cents       |

**ROSES, our selection..... \$4 00**

|                                      |              |
|--------------------------------------|--------------|
| Carnations, extra fancy.....         | 2 00 to 3 00 |
| Easter Lilies, short \$2 00 per doz. |              |
| Valley .....                         | 4 00         |
| Asparagus Plumosus,                  |              |
| extra quality, per bunch .....       | 75c          |
| Fancy Ferns, per 1000.....           | \$2 00       |

All other stock at lowest market rates.

Prices subject to change without notice.  
No charge for packing.

Among the offerings at Vaughan & Sperry's this week we noted especially good sweet peas, long-stemmed, brightly colored flowers, fresh and very fragrant. Enchantress and Lawson carnations, Killarney roses and Princess violets—the latter far too good for the state of the market—were also leading items. Pretty little pots of shamrock have also been shown all week.

Fine Murillo tulips, lilies and carnations have been the features at the Deamud Co.'s store this week. The



# BEAUTIES

Extra Long Stems,  
\$3.00 per doz.

Our new spring crops of Beauties are now on, and they are the best in this market. We can supply them in very large quantities. Remember the extra long stems are always the best quality.

## Killarneys, Richmonds, Maids, Brides and Perles

are also in with a big crop. Prices are falling every day.  
We bill out at the lowest market prices each day.

## EASTER LILIES

This Week,  
\$12.00 per 100.

Write for our Weekly Price List. We keep you posted on the market.

# Bassett & Washburn

Store and Office: 76 Wabash Ave.,

CHICAGO

Greenhouses: HINSDALE, ILL.

# Cut Flowers E. H. HUNT

FOR ALL OCCASIONS.

—SEND FOR PRICE LIST.—

FLORISTS' SUPPLIES TOO.

76 Wabash Avenue, CHICAGO.

# KYLE & FOERSTER,

W. P. KYLE.

CONSIGNORS SOLICITED.

JOSEPH FOERSTER

51 Wabash Ave.,

Wholesale Florists.

L. D. Phone  
Randolph 3619.

CHICAGO.

run on Conquest has been remarkable and the flowers are snapped up immediately on arrival. We also noted fine bunches of the new Mrs. Walter W. Coles, from W. W. Coles of Kokomo, Ind. It is a very beautiful deep crimson and quite distinct.

The quality and quantity of the carnations now coming in to Peter Reinberg's store are both great. These are the produce of the new ranges at the "farm" and show what clean, new houses and soil will do towards perfecting fine stock. The Beauty crop is also at its best now, in fact the supply of all roses is very large and the quality unsurpassed.

Aug. Lange has been very busy with funeral work, and the low price of stock now gives him a chance to put good value in his dollar boxes of flowers. The near approach of St. Patrick's day reminds us of Mr. Lange's bet with Alderman Michael Kenna about this time last year that he could grow shamrock here in the city from seed sent over from Ireland, which he did.

Charlie Zapfe, of the Budlong force, took a half day off on March 4 to be put through a course of sprouts in the Masonic fraternity. What the honors or degrees were that Charlie was initiated into we must leave, as we have no desire to go where angels fear to tread.

The roses at the J. A. Budlong store are now in grand shape, Killarney, Richmond and Mrs. Jardine being leaders. Phil Schupp says that indications point to a good supply of white carnations for the St. Patrick's day demand. Stock cleans up well here daily.

## E. C. AMLING

THE LARGEST,  
BEST EQUIPPED,  
MOST CENTRALLY LOCATED  
WHOLESALE  
CUT FLOWER HOUSE  
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,  
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

John Mahgel's table, furnished for St. Patrick's day, is a great attraction in his Monroe street window, and all day long a crowd of interested people are looking at it. Green hats, shamrock baskets, clay pipes and the noble "Murphies" are all to be seen.

Speaking of the sudden change in the weather, C. L. Washburn notes the fact that they were cutting their ice at Hinsdale three years ago on March 4. Winter at the end of February and spring March 1 is not a combination to improve trade.

Sam Pearce continues to send in elegant bulb stock in great quantities. His Lorraine, Yellow Prince and Couleur Cardinal tulips are excellent, as are the daffodils and jonquils. He reports Giganteum lilies coming along well for Easter.

## CHAS. W. McKELLAR,

51 Wabash Ave.,  
CHICAGO.

## ORCHIDS

A Specialty

Fancy Stock in Peonies,  
Valley, Roses, Beauties,  
Carnations and a full line  
of all Cut Flowers, Greens,  
Wire-Work and Florists'  
Supplies.

Send for Complete  
Catalogue.

## Quality Counts..

Let us have your next order for  
**Roses and Carnations**  
and other Seasonable Flowers.

**JOHN KRUCHTEN,**  
51 Wabash Ave., CHICAGO.

## A. L. Randall Co.

19-21 Randolph St.,  
CHICAGO.

L. D. Phone Central 1496. Private Exchange  
All Departments. If you do not receive our  
price list regularly send for it.

A. T. Pyfer, manager of the Chicago  
Carnation Co., was in town on Mon-  
day and reports stock in fine order at



## "The Busiest House in Chicago"

# EASTER

It is not too early to think about your stock for Easter—in fact if you do not think of it soon the other fellow will get in ahead of you and you will be watching him sell the goods that you should have sold.

We are in a stronger position at present than any house on this market to take advance orders, handling the stock of the best growers in this section and with a force that insures satisfactory treatment and in this connection we wish to particularly call attention to our

## EASTER LILIES

Which are the finest that have ever been brought to this market. An order placed with us will convince you that you should always buy from

# J. B. DEAMUD CO.

Joliet. Orders are coming in rapidly for carnation plants and they are well booked up on Conquest, Sangamo and Mary Tolman.

Bergman, Zech and Yarnall have all one hand on that Deamud cup. T. C. Y. also has two eyes on it all day long and it is currently reported that he either takes it home with him at night or sleeps in the vault.

Zech & Mann say "business is fine." The Richmond roses they are showing certainly are. Bulb stock is also in first class shape here and the carnations being handled are of superior merit.

John Bruchner, of Sixty-ninth street, who has been seriously ill for quite a long time and whose life at one time was almost despaired of, is, we are pleased to note, around again.

Gladiolus America, May, Augusta and other popular varieties for florists, are selling well at Winterson's Seed Store. About 15,000 copies of the new seed list have been mailed.

Sinner Bros.' roses are a little off crop just now, but plenty of carnations are arriving. White Killarney and My Maryland are to be much more heavily planted this season.

Wietor Bros. intend rebuilding about 10 of the houses at the lower plant this year. These houses are 250 feet long and devoted to roses. Moninger material will be used.

"Sold out daily" is Hoerber Bros.' report and Harry Manheim may be seen scouting around after the fine stock from the greenhouses is sold to fill late orders.

A. L. Randall Co. is very busy with Easter supplies and the many novelties offered in the fine show room are meeting with an excellent demand.

E. H. Hunt reports plenty of advance orders for white carnations for

St. Patrick's day, and a big demand for the "Absorber" green dye.

Mrs. James C. Curran has been sick for quite a while with rheumatism, but could not miss the banquet of the Florists' Club, March 3.

President Poehlmann of the American Rose Society, leaves for New York next week for the annual convention and exhibition.

Albert C. Rott, Joliet, Ill., though suffering from severe cold, has been in town looking up stock for his Easter trade.

Extra good Killarney roses and Easter lilies have been prominent at Weiland and Risch's store all week.

Geo. Asmus, H. B. Dorner, J. A. Valentine and W. N. Rudd leave for Rochester Friday, March 10.

Nic Miller, of the J. B. Deamud Co., started March 7 on a business trip through Michigan.

Al. Fisher left March 7 for Detroit to participate in the great bowling tournament.

Albert Erickson has resumed his former position at Vaughan's Greenhouses.

Geo. Reinberg is showing some elegant mignonette, grand full spikes.

Ernst Wienhoeber is in the east looking up holiday stock.

Visitors: Albert Heath, Milwaukee; Wm. A. Gardeen, of Chas. Thorley's, New York; Von Zonneveld, Satsenheim, Holland; A. T. Pyfer, Joliet; Albert C. Rott, Joliet; E. J. Fancourt, Philadelphia, Pa.; S. C. Weber, St. Louis, Mo.; A. L. Glaser, Dubuque, Ia.

### LADIES' NIGHT AT THE CLUB.

The ladies say they had the time of their lives at the Union restaurant March 3. H. N. Bruns, A. C. Kohlbrandt, J. P. Degnan, Herman Schiller, Frank Pasternick and Duncan A. Robertson, the committee in charge, have every reason to feel proud of the

entertainment provided. Little Miss Marshall with her characteristic songs and dancing was the favorite of the evening. The other numbers included: Miss Eulalia Stone, vocal soloist; Mrs. L. F. Smith, bell soloist; Mrs. Clara McCloud, elocutionist; Miss Lena Moneak, violin; Master Walter McCloud, German dialect; Miss Mathieson, piano soloist, and Miss Lawrence, violin. We noted Harry Balsley of Detroit among the visitors.

### Joliet, Ill.

Business all around has been on the quiet side, but the past week, since the brighter weather, things have livened up considerably. There are prospects of a good Easter, as several advance orders for decorations and other work have been booked by the leading retailers. Stock looks promising and there will be plenty of it. Not many lilies are grown locally, but those we have seen look well and will be on time.

Albert C. Rott and wife have both been on the sick list, but, with characteristic pluck, both have kept going. Mr. Rott has had several pretty decorations of late and advance orders for plants and cut flowers for Easter are coming in freely. He has an Irish window in mind that will be a startler, but we are tied to silence as to the details. We trust both he and Mrs. Rott will be back in good shape for the Easter rush.

At both the Chicago Carnation Co. and the J. D. Thompson Carnation Co.'s plants stock will be in great shape for Easter. Cutting and plant trade is brisk at both places.

The Shepherd Floral Co. reports business good and good orders coming in for landscape work, which will be a specialty here this season. G.



# EASTER PRICE LIST.

We have never been so well prepared for what we believe will be the **Busiest Easter on Record**. The whole of our vast greenhouse plant is in splendid condition and crops will be at their best for Easter.

## CARNATIONS.

Our immense new carnation range is producing magnificent stock in great abundance. The flowers were never so good or plentiful and we can truthfully say there are **no carnations in the world to beat ours**.

**Beauties** Our Beauty crop is at its height and we shall have large supplies in all grades for **Easter**.

## ROSES.

**Not a few but all the best varieties.** The crops are large, the quality absolutely perfect. There are no better flowers coming to this or any other market.

**Send Us Your Orders and they Will be Taken Care of.**

### AMERICAN BEAUTIES

Per doz.

|                       |        |
|-----------------------|--------|
| Extra long stems..... | \$5 00 |
| 30 inch stems.....    | 4 00   |
| 24 inch stems.....    | 3 00   |
| 20 inch stems.....    | 2 50   |
| 15 inch stems.....    | 2 00   |
| 12 inch stems.....    | 1 50   |
| Short stems.....      | 1 00   |

Per 100

|                  |                    |
|------------------|--------------------|
| Richmond.....    | \$ 5 00 to \$12 00 |
| Killarney.....   | 5 00 to 12 00      |
| My Maryland..... | 5 00 to 12 00      |
| Chatenay.....    | 5 00 to 10 00      |
| Mrs. Field.....  | 5 00 to 10 00      |

|                           |                    |
|---------------------------|--------------------|
| Uncle John.....           | \$ 5 00 to \$10 00 |
| Bride.....                | 5 00 to 10 00      |
| Bridesmaid.....           | 5 00 to 10 00      |
| Ivory.....                | 5 00 to 10 00      |
| Sunrise.....              | 5 00 to 8 00       |
| Perle.....                | 5 00 to 8 00       |
| Roses, our selection..... | 4 00               |
| Carnations.....           | 3 00 to 4 00       |
| Fancy.....                | 5 00               |
| Harrisil.....             | 12 50 to 15 00     |
| Valley.....               | 3 00 to 4 00       |
| Violets.....              | 75 to 1 00         |
| Adiantum.....             | 1 00               |
| Asparagus, per bunch..... | 75                 |
| Ferns, per 1000.....      | 2 50               |

2,000,000 FEET OF MODERN GLASS.

# Peter Reinberg

**35 Randolph St., CHICAGO.**

### St. Louis.

The weather opened up during the past week and it is now warm and springlike. It has already shown itself on the violets. Many sleepy blooms are on the plants and it is doubtful if they will last for Easter. Carnations are not as plentiful, white and red being scarce. Roses are arriving fairly well. This warm weather will help the plant men. Fancy ferns are shortening up. Southern jonquils are in.

### NOTES.

A meeting of the Retail Florists' Protective Association was held last Wednesday evening at the Washington hotel to protest against any wholesaler retailing or making design work and delivering to private parties. This was agreed to be antagonistic to the retailer. There were about 25 pres-

ent. The following officers were elected: C. C. Sanders, president; F. H. Weber, treasurer; Chas. Young, Jr., secretary. This association is charging \$5 initiation fee and 50 cents per month dues. It proposes to look after legitimate retailers' interests, also to post one another on deadbeat customers.

The Riessen Floral Co. had the decorations for the banquet at the Planters' hotel given to the Hamilton Brown shoe salesmen before their return to Boston. There were about 300 present. The tables were beautifully decorated with all kinds of flowers and greens, many violets being used.

Hugo Gross is thinking of erecting two houses 200 feet long this summer for roses. If as successful with these as he has been with violets and sweet peas he will be a great help to the market. His stock is successfully

## KENNICOTT BROS. COMPANY

**WHOLESALE CUT FLOWERS**

**48-50 Wabash Ave., Chicago**  
L. D. Phone, Central 466.

**WE will have anything in the line of  
CUT FLOWERS and GREENS**

that you may want if anybody has it, at  
Chicago market prices on day of shipment.



# The Wearin' o' the Green

Will be as popular as ever on **ST. PATRICKS DAY** and we shall be strong on White Carnations for dying. Plenty of them and at the right prices. We can also supply

## BEAUTIES

|                       | Per dozen.     |
|-----------------------|----------------|
| Fancy long stems..... | \$5.00         |
| 30 to 36 in.....      | 4 00           |
| 20 to 24 in.....      | \$2.50 to 3.00 |
| 15 to 18 in.....      | 1.50 to 2.00   |
| Short.....            | .75 to 1.00    |

## FANCY ROSES.

|                      |                           |
|----------------------|---------------------------|
| Brides, Maidg.....   | \$6.00 to \$10.00 per 100 |
| Killarney, Pink..... | \$6.00 to \$8.00 per 100  |

All Other Rose Stock in Full Crop.

|                         |                          |
|-------------------------|--------------------------|
| Fanch Longflorum.....   | \$2.00 per doz.          |
| Lily of the Valley..... | \$3.00 to \$4.00 per 100 |

# VAUGHAN & SPERRY,

52-54 Wabash Ave.,  
L. D. Phone, Central 2571

## CARNATIONS.

|                  |                          |
|------------------|--------------------------|
| Fancy White..... | \$4.00 per 100           |
| Fancy.....       | \$2.00 to \$3.00 per 100 |
| Ordinary.....    | \$1.50 per 100           |

## Orchids

\$5.00 to \$6.00 per doz.

Spring Flowers  
Jonquils..... 2.00 to 3.00 per 100

Tulips..... 2.00 to 4.00 per 100

Wild Smilax, Fancy Ferns, Leucothoe  
and Mexican Ivy.

# Chicago

handled by the Wm. Smith Wholesale Floral Co.

C. Young & Sons Co.'s sign in their window reads, "Everything for the Garden." Jim Young stated that the prospects for Easter lilies with him were "about enough to go around." He will have plenty of azaleas, hyacinths, spireas and all flowering plants.

Rufus J. Lackland's funeral last Wednesday was largely attended. Prof. Trelease being one of the mourners. The floral offerings were beautiful.

Chas. Young, Jr. is very proud of his bouncing five-months' old boy. His grandfather expects to have him help out at the store at Easter.

Dominic Bova purchased 80,000 California violets last Thursday. This was the largest single sale ever made by the Wm. Smith Floral Co.

Vincent Gorly has returned from a visit to Kansas City.

Visitor: John Rubach, representing Lion & Co., New York. W. F.

## Cincinnati.

### A GREAT IMPROVEMENT.

A decided improvement over last week's business is noticeable all around. All kinds of stock, with the possible exception of violets, clean up to a greater extent and it is hoped the prevailing conditions will hold out for some time to come. White roses are not at all plentiful; in fact, they might be said to be scarce at the present writing; otherwise we have a nice lot of roses to do business with. The supply of Beauties is equal to the demand and some splendid Killarney, Mrs. Jardine and Bridesmaid are on the market and the prices have become reasonable. The carnation outlook is much better than last week and receipts have been equal to the demand. Some of the stock is of superior quality, but about two-thirds run to splits and inferior grades. Of course the demand is principally for white, although light pink and Rose Pink Enchantress receive a fair call. As before stated, the violet market has gone to pieces. Singles are fine and the crop is on, but the demand is not here. Sweet peas are plentiful and 50 cents per 100 buys a fair grade, although some sales were reported at 75 and the quality had to be exceedingly fine to get the extra quarter. Good Murrillo tulips were to be had, although not enough for the demand.

Easter lilies and callas were more abundant and seem to clean up nicely every day; in fact, bulbous stock of all kinds was good property all week. In the line of green goods, Asparagus plumosus is still scarce and there is just about enough Sprengerii for orders, while no orders are turned down for smilax.

### NOTES.

A. C. Heberling, of Georgetown, Ky., was a caller on Saturday. His royal highness is very much interested in automobiles and undoubtedly came down to take in the show, although he claims a sick friend in one of the local hospitals was the cause of his visit. It's dollars to doughnuts he did not pass up the automobile show. He says business with him has been very satisfactory this season.

James O'Malley has moved his store across the street from his old stand to 609 Walnut street, the store formerly being occupied by Huntsman and later by Coulthardt & Pogus. As Jim is a good designer and well known in the city he undoubtedly will do well and we wish him success.

Frank Smith of Smith & Feters, Cleveland, O., stopped over on his way home from Mexico last Thursday to call on his friend, Fred Blecher, another Cleveland boy, but who is now managing the Blecher Floral Co. of this city.

Alfred Murphy has bought the material for a 200-foot house and will begin work on same as soon as the weather permits.

R. A. Kelly has moved next door until alterations are made to the building in which his store is located.

Al. Heckman, Jr., has been on the sick list the past week and we are glad to report is convalescent. S.

## Pittsburg.

The market is just about the same as last week. Carnations will probably be very plentiful for Easter. There are quite a few growers that are off crop now, that will be in line for that holiday. During this period fakirs are seen at every corner of the street selling carnations at 10-15 cents a bunch. Any place they can get a hold they stick a couple of pots and get busy. Bulb stock, such as daffodils, tulips and Dutch hyacinths are finding slow sales, consequently a great amount going to the dump.

Beauties are selling well and are about the only stock there really is any strong demand on.

### NOTES.

A. H. Smith Co. put out a dollar box on Saturday consisting of one dozen daffodils and a corsage of sweet peas tied with ribbon and pins. It made a hit and he had a big run.

Nicholas Harris, of Harris Bros., Market street, has returned from his six months' visit to Greece. Nick is looking fine and still single.

C. C. Phillips and R. Seedan, Washington, have purchased Lloyd Swarthout's store and greenhouses of that place.

Edward Harvey, of Faulk & Furnier, Homestead, is handing out the smokes. The stork left him a 10-pound boy.

Forbes & Donahay, Wheeling, W. Va., have put out a new delivery wagon which is something worth looking at.

Carl Puhlman, Carnegie, reports business good—and considerably ahead of last year.

Geo. Oles, Youngstown, O., has the sympathy of the trade in the loss of his mother.

Mr. Blankensop, of C. A. Dunn, Washington, reports business a little slow.

Ernest Zeiger spent a few days in the east, looking up Easter novelties.

E. Eissner has been in New York attending the funeral of his brother.

E. J. McCallum has been laid up a few days with a cold.

Mrs. J. B. Smith, McKeesport, is reported very ill.

Visitors: Misses Forbes and Donahay, Wheeling, W. Va.; M. Blankensop, Washington, Pa.; Chancy Huscroft, Steubenville, O. J.

NEW CASTLE, IND.—Wm. Dittmann is in Florida resting up for a few weeks.

NEWTON, KANS.—Hasler & Hasselmann have purchased Kline Bros.' retail store in the Postoffice building.

NEWELL, W. VA.—The directors of the Lake Newell Floral Co. held their annual business session February 23 and elected the following officers: Geo. W. Clarke, president; Walter B. Hill, vice president; Fred B. Lawrence, secretary and treasurer; A. E. Radke, manager. The business of the company was discussed and everything was reported in first-class condition. The company has enjoyed a very prosperous year.



# LILIES FOR EASTER

Our Lilies are the finest lot in this part of the country—as fine as any we ever saw—and will be ready for Easter without hard forcing. Your trade calls for good Lilies for Easter, long stems, fine, large flowers, and you will do well to write us at once. We are

## NOW BOOKING ORDERS

Don't forget that good long Lilies will be scarce this Easter. Most growers' Lilies are short and hard forcing will be necessary to get them in, making them soft. We have been specially fortunate in having so large and fine a lot. Write for prices on your needs.

## ROSES AND CARNATIONS

We have large supplies of all Roses and of the best varieties of Carnations—no better stock to be had anywhere.

All Bulb Stock and Green Goods Plentiful.

We give personal attention to every order and this careful service counts. We shall be glad to hear from you for today's shipment or for Easter

# ZECH & MANN,

WHOLESALE FLORISTS,  
Long Distance Phone Central 3284  
51 Wabash Avenue,

# Chicago

### Baltimore.

There is a suspicion of early spring in the air, but March is as fickle as the proverbial woman and we may be tilted yet. But we are enjoying the warm airs and bright sunshine which are succeeding the long cold stretch of winter and they are having some effect upon business. The great over production of flowers, especially of carnations, is bad enough of itself, but now it is complicated by the rush of other surprises from our friends of the Quaker City who in the paralysis which has affected their town as a result of the strike there are shipping their stock to all attainable points, interfering with the normal conditions of trade-currents.

Our street dealers enjoyed last week the customary experience which comes to them each spring of being ordered off the streets, but after representation to the city officials these allowed the curbstome men to go back to their stations, at least temporarily. The thoroughfares have been so crowded with shoppers drawn out by the good weather that a good many sales are made, the gamut running from violets to American Beauties, which latter do not often come into the menu of the peripatetic vendors.

Halliday Bros. on their place on the Liberty road have a most remarkable collection of lilies in all stages of growth. The variety seems to be new and is dubbed here Formosum Giganteum, though whether this is a correct one cannot be told. Certainly in stem, substance of flowers, abundance of bells and freedom from disease it is a marvel. There will be a great crop ready for Easter and succeeding ones for the post-Easter weddings and Memorial day decorations.

Not only are some of the department stores here going into the florist line, but a large druggist establishment makes a specialty on certain days and gets rid of a great quantity of violets. There seem no limiting lines any more in the domains of business and a blacksmith's shop nowadays is as liable to sell carnations as it is New Orleans molasses.

John Cook and Mrs. Cook continue their sojourn in Florida, varying it this week by a trip to Cuba. The former has been fortunate in escaping entirely from the rheumatism which has so long distressed him, the sub-

## HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 51 Wabash Avenue, CHICAGO



## Wholesale Flower Markets

| CHICAGO, Mar. 9.                     |                      |       |
|--------------------------------------|----------------------|-------|
| Roses, Beauty, extra select...       | 5 00                 |       |
| " " 36 in .....                      | 4 00                 |       |
| " " 30 in .....                      | 3 00                 |       |
| " " 18 in .....                      | 2 00                 |       |
| " " 15 in .....                      | 1 00                 |       |
| " " Short .....                      | 75                   |       |
| Per 100                              |                      |       |
| " Bride, Bridesmaid, select...       | 8 00@10 00           |       |
| " " medium .....                     | 4 00@ 6 00           |       |
| " Killarney, select...               | 6 00@10 00           |       |
| " " medium and short .....           | 4 00                 |       |
| " Mrs. Jardine .....                 | 4 00@10 00           |       |
| " Mrs. Potter Palmer .....           | 8 00                 |       |
| " My Maryland .....                  | 8 00                 |       |
| " Perle .....                        | 7 00                 |       |
| " Richmond .....                     | 4 00@12 00           |       |
| " Uncle John .....                   | 6 00                 |       |
| " White Killarney, select .....      | 8 00@10 00           |       |
| " " medium .....                     | 4 00@ 6 00           |       |
| Carnations, select fancy .....       | 3 00@ 4 00           |       |
| " common and splits .....            | 1 00@ 2 00           |       |
| Callas .....                         | per doz., 1 50       |       |
| Hyacinths, Roman .....               | 2 00@ 2 50           |       |
| Lilium Harrisii .....                | per doz., 2 00       | 15 00 |
| Lily of the Valley .....             | 3 00@ 4 00           |       |
| Mignonette .....                     | 3 00@ 8 00           |       |
| Narcissus .....                      | 2 00@ 3 00           |       |
| Orchids .....                        | per doz., 6 00@ 9 00 |       |
| Sweet Peas .....                     | 40@ 1 00             |       |
| Violets .....                        | 35@ 50               |       |
| Adiantum .....                       | per 1000, 1 50       |       |
| Asparagus Plum, strings, each, ..... | 60@ 75               |       |
| " " sprays .....                     | 3 00@ 4 00           |       |
| " Sprengerii .....                   | 3 00@ 4 00           |       |
| Boxwood, per bunch..                 | 35c per case, 7 50   |       |
| Ferns .....                          | per 1000, 2 00       |       |
| Smilax .....                         | 1 50                 |       |

tropical climate being unfavorable to its development.

The question of pruning the trees in the city's parks and gardens is still

## WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Ave.. CHICAGO.

Mention the American Florist when writing

## POEHLMANN BROS. CO.

Wholesale Growers of and Dealers in

**Cut Flowers**

All telegraph and telephone orders given prompt attention.

Greenhouses 32-37 Randolph St. MORTON GROVE, ILL. CHICAGO.

Mention the American Florist when writing

a burning one and unsettled. A number of gentlemen, estimable citizens and distinguished in their several lines of commercial and professional activity, most of whom, however, probably could hardly discriminate between an oak and a pine tree, sent a petition to the park board asking it to take such action as will preserve the trees in the parks and squares in their natural growth and form, preventing unsightly and ill-advised pruning and clipping of such trees and "all other acts of ill-considered violence heretofore committed upon them." General Latrobe, president of the board, thinks trimming of the trees has been excessive, their natural beauty being destroyed, and he suggested Mr. Manning, the park superintendent, give the park board a list of the trees he proposes to prune, so that that body may decide whether they need it. Mr. Manning said this would be practically impossible. In every park trees must be trimmed, and to keep the parks beautiful it cannot be avoided. It was finally determined to refer the matter to Mr. Olmstead, the landscape architect, and in the meantime no trees are to be trimmed without the consent of Mr. Latrobe, who is a lawyer and the president of the city gas company, and it would be supposed had business and troubles enough for his share without stopping to instruct Mr. Manning in the performance of his technical work.

S. B.



# 100,000 EASTER LILIES

For Easter. Best in the Market.

Also Roses, Carnations, Valley, Violets, Daffodils,  
Freesias and Smilax. Write for  
Prices.

**DOMOTO BROS., 27-29 Lick Place, San Francisco, Calif.**

## Philadelphia.

### TRADE LETTER.

There was a change for the better last week. Crops shortened up a little and an increasing demand on Saturday wound the week up in a very satisfactory manner. There has been plenty of pretty much all stocks although roses shortened up a bit and held their price, even advancing for some grades. Carnations continue plentiful and with prices very low when quality is considered they have been better this season than ever before and as considered with the stock offered but a few years ago when Joost was the popular pink, there is no comparison, and yet prices are not much better now than then. There is a great quantity of spring or bulbous stock such as tulips and daffodils, and they sell fairly well at low prices, \$2 per 100 being the ruling figure. Sweet peas are in demand at fairly good prices. There is a supply of very fine stock coming in daily. Mignonette appears to be scarce and is a good seller. Acacia is about cut out, it sold very well; there is room here for a better supply. Snapdragon is in demand and good stock finds a ready market. Asparagus appears to sell out clean every day. One of the storekeepers said about asparagus: "They make the bunches so small nowadays that immediately the string is cut the whole lot disappears."

### NOTES.

In the discussion of Mr. Herr's paper at last week's meeting of the Florists' Club quite a number of interesting points were brought out. That each bunch should be tagged with the grower's name and date of cutting was advanced so as to protect the retailer and his customer. This idea it was thought by some of the wholesale men present would not work out very well. The question of overproduction was also freely discussed and it was advanced that storekeepers should arrange sales at low prices, the wholesale men and growers giving satisfactory figures on quantity lots to enable the retailing of such stock at a profit. These sales were only to be on special days. How the store men were to sell at 15 cents per dozen one day and 50 to 75 the next and satisfy their customers was not explained. Mr. Herr thought there were too many commission men, thus forcing prices down through severe competition. The question of handling the flowers in the stores was discussed, some claiming that many retailers did not know how or at least did not give this matter the attention they should, and as a result both the grower and dealer were given the

## Easter Lilies Fine Stock.

We expect to cut 25,000 to 30,000 blooms. Prices, cut \$12.50 and \$15.00 per 100; pot plants, per bud, \$16.00 per 100.

We have them in single pots and pans, three and five bulbs to a pan. Fine clean stock. We can ship now, plants in bud, that will be just right for Easter.

Cash with order or satisfactory reference.

**MIAMI FLORAL CO., 24 North Main Street, Dayton, O.**

blame and suffered through no fault of theirs.

Robert Kift told of bringing the outside air into the flower case through a wooden trough from under the front window through the basement and into the bottom of the case. An electric fan running all the time kept up a constant supply of air without too much draft, and that with a temperature of under 50° outside. There was no need of ice to keep the case cool, and carnations would not go to sleep except at times of scarcity when they were kept for high prices and during times of great plenty when they were left too long on the plants. Business methods were touched on, it being said that many excellent growers did not market their flowers to the best advantage and that this was better done by the commission men, who were at all times in touch with the market and were quick to take advantage of an increasing demand. Altogether it was a most interesting meeting with not a dull moment from the opening to the close.

The Merriheights nurseries of J. W. Colflesh, at Fifty-third and Woodland avenues, are right to the front with their fine assortment of Easter stock. Lilies are a feature and this stock appears in splendid condition, as almost every plant is sure to be in. A house of cinerarias are a kaleidoscope of color, each plant a picture in itself. Marguerites in large and small sizes are full of their white blossoms, very well flowered for the season. Hydrangeas in various sizes form an important feature. Special attention is given to this class of plants each season. There is a nice assortment of azaleas in a variety of sizes. Genistas are also favorites and very well flowered plants are to be seen.

The Floracraft Nurseries of Walter Stokes of Moorestown, N. J., are noted at Easter for three things, valley, hydrangeas and lilies. The stock

while always good is this season in splendid shape, the stock of 2,000 hydrangeas being in splendid form and color. They range in size from 8 to 10-inch pots; 2,500 pots of lilies is no mean stock and as they will all be in it will require some handling to get them delivered. Lily of the valley is being cut in quantity every day and for the Easter orders a very large block of pips are set aside.

K.

### Yonkers, N. Y.

The first meeting of the month of the Horticultural Society was held in Guinzberg hall March 2 with 50 members present and President Bennet in the chair. Several new members were admitted and a number of applications received. The committee on the dinner reported progress and stated that the arrangements were very nearly completed and the tickets were selling well. The competition in roses for the prize offered by President Bennet was very keen and a number of very fine blooms were shown. The judges appointed were Messrs. Macdonald, Stanton and Bunn. The first prize went to J. Lamb, second to H. Scott and third to R. Cummings.

Secretary Waite read a very able and instructive paper entitled "Gardeners and the Gardening Profession," plainly showing it to be one of the oldest and most noble professions in existence. Secretary Waite offered a box of cigars as first prize for the most meritorious exhibit of anything to be competed for at the next meeting and S. A. Woodrow a two years' subscription to any of the trade papers as second prize and a one year subscription as third. Vice-president Cochrane will read a paper on "The Culture of Mushrooms" at the next meeting.

L. W.



# CUT FLOWERS For Easter

THE LEO NIESSEN CO., Business Hours: 7 a. m. to 8 p. m.  
Wholesale Florists, 1209 Arch Street, Philadelphia, Pa.

We will fill your order in a satisfactory manner. We have the stock as well as the facilities for handling a large holiday business. You can depend on our service. Price list and quotations on request.

## American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

## Grafted and Own Root Rose Plants

Killarney, Richmond, My Maryland, White Killarney, (Waban strain), Kaiserin, Bride and Bridesmaid  
— Send for Prices —


W. H. Elliott, Brighton, Mass.

## Pittsburg Florists' Exchange

Wholesale Cut Flowers

Everything Seasonable

Headquarters for Ferns, Galax, Leucothoe and Wild Smilax, and carry a large supply of the best on hand at all times. We quote the following interesting prices on small or large quantities.

 Ferns, fancy and daggers, \$1.25 per 1000  
Galax, green and bronze 65c per 1000.  
Leucothoe, green and bronze 65c per 100.

Wild Smilax, large cases, \$4.50 per case.

15 Diamond Square, PITTSBURG, PA.

## Wholesale Flower Markets

| PITTSBURG, Mar. 9.              |                      | Per 100 |
|---------------------------------|----------------------|---------|
| Roses, Beauty, special.         | 25 00@40 00          |         |
| " " extra.                      | 15 00@20 00          |         |
| " " No. 1.                      | 8 00@12 00           |         |
| " " Bride, Bridesmaid.          | 4 00@8 00            |         |
| " " Chateaufort.                | 4 00@8 00            |         |
| " " Killarney.                  | 4 00@8 00            |         |
| " " My Maryland.                | 4 00@8 00            |         |
| " " Richmond.                   | 4 00@8 00            |         |
| Carnations.                     | 1 00@2 00            |         |
| Bouvardias.                     | 2 50@3 00            |         |
| Callas.                         | 10 00                |         |
| Cattleyas.                      | 50 00@60 00          |         |
| Cypripediums.                   | 15 00                |         |
| Daffodils.                      | 3 00@4 00            |         |
| Gardenias.                      | 35 00@50 00          |         |
| Hyacinths, Romans.              | 2 00                 |         |
| Lilac, white.                   | per bunch, 1 00@1 50 |         |
| Lilium longiflorum.             | 12 00                |         |
| Lily of the Valley.             | 4 00                 |         |
| Mignonette.                     | 4 00                 |         |
| Narcissus.                      | 2 00@3 00            |         |
| Pansies.                        | 2 00                 |         |
| Primroses.                      | 50@75                |         |
| Sweet Peas.                     | 50@1 00              |         |
| Tulips.                         | 50@3 00              |         |
| Violets, double.                | 50@75                |         |
| " " single.                     | 25                   |         |
| Adiantum.                       | 1 50                 |         |
| Asparagus Sprengeri, per bunch. | 50                   |         |
| " " strings... per string.      | 50                   |         |
| " " sprays... per bunch.        | 50                   |         |
| Smilax.                         | 15 00                |         |

| PHILADELPHIA, Mar. 9. |             | Per 100 |
|-----------------------|-------------|---------|
| Roses, Beauty, extra. | 35 00@50 00 |         |
| " " first.            | 15 00@20 00 |         |
| " " Brides and Maids. | 6 00@10 00  |         |
| " " Tea.              | 6 00@10 00  |         |
| " " extra.            | 12 00@20 00 |         |
| Carnations.           | 3 00@4 00   |         |
| Cattleyas.            | 50 00@75 00 |         |
| Lilium Harrisii.      | 10 00@12 00 |         |
| Lily of the Valley.   | 4 00@5 00   |         |
| Mignonette.           | 4 00@5 00   |         |
| Sweet Peas.           | 75@1 00     |         |
| Violets, single.      | 75@1 00     |         |
| " " double.           | 60@1 00     |         |
| Smilax.               | 15 00@20 00 |         |
| Daffodils.            | 2 00@3 00   |         |
| Tulips.               | 2 00@5 00   |         |
| Asparagus.            | 1 00@1 50   |         |

| BOSTON, Mar. 9.        |             | Per 100 |
|------------------------|-------------|---------|
| Roses, Beauty, best.   | 25 00@50 00 |         |
| " " medium.            | 15 00@25 00 |         |
| " " culls.             | 5 00@10 00  |         |
| " " Bride, Bridesmaid. | 4 00@6 00   |         |
| " " Extra.             | 6 00@8 00   |         |
| Carnations.            | 3 00@4 00   |         |
| Callas.                | 8 00@16 00  |         |

## The McCallum Co., Inc.

"WE HAVE THE STOCK"

Qualities Best.  
Prices Right.

937 Liberty Ave., Pittsburgh

## Pittsburgh Cut Flower Co.,

Wholesale Florists and Growers,

The House that has and sells good goods at fair prices.

Salesrooms, 222 Oliver Ave.

PITTSBURGH, PA.

Choice Assortment of CUT FLOWERS will be found here.

WRITE FOR PRICES.

## W. E. McKissick & Bros.

WHOLESALE FLORISTS.

Business Hours 7 a. m. to 8 p. m. 1619-1621 Ranstead St., PHILADELPHIA, PA.

Absolutely  
The Best Possible  
Service.

EVERYTHING A FLORIST USES.

## The Denver Wholesale Florist Co.

1433-35 California St.

## RICE BROTHERS

Wholesale Florists and Supplies.

115 N. 6th St., MINNEAPOLIS, MINN.

Cut Flowers received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities.

Minneapolis.

The Minnesota State Florists' Association has decided to hold a flower show in the city this fall.

James Souden, it is reported, has made over the good will of his business to the Radisson Floral Shop, a new concern opening up here shortly. Mr. Souden will join the company as manager and it is intended to cater to a high class business.

Automatic Irrigation.

Col. Hunter of the Boyce Weekly has returned from his farm at Frozen Dog, Idaho, and reports the use there of an automatic irrigating system. It seems that potatoes are planted usually in divisions of two eyes, and by planting a small onion in each hill the eyes water the crop.

—THE—

## J.M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES

SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

## THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

## Weiland & Olinger

128 E. Third St., CINCINNATI, O.

Wholesale Growers and Shippers of Cut Flowers.



**WM. ELLIOTT & SONS**

WILL OFFER AT

**AUCTION, Tuesday, March 15, at noon****Thirty Cases of Holland-Grown Nursery Stock**

Consisting of **Roses, Rhododendrons, Hydrangeas, Azaleas, Boxwood, Retinosporas, Yews, Pot-grown Lilacs, Vines, Privet, Bulbs, Roots, Etc.**

**W. J. ELLIOTT, Auctioneer,****42 Vesey St., NEW YORK****New York.****TRADE FAIR.**

The weather was very rainy and disagreeable during the most of last week and the effect on the market was depressing. It cleared up on Friday and, so far as weather was concerned, Saturday and Sunday were ideal days. The business of Saturday, considering what we have been passing through, was fair. Excepting special American Beauty roses, which are very scarce, there has been no advance in prices, and it is reasonable to suppose that the present springlike weather will greatly increase the supply of stock. Special Beauties have been creeping up in price and a few sold, March 5, for 75 cents each. The short grades, No. 2 and 3, are an altogether different proposition and many of them are hard to dispose of at any price. There has been some talk about the flowers that are being shipped in here from Philadelphia, but we see no cause for alarm. If that fine old Quaker and Presbyterian city will, figuratively speaking, take a day off and put an end to the rioting and disorder which makes her streets dangerous to the innocent visitor, we will do the best we can to take care of the flowers.

March 7.—Possibly on account of good weather there is a better feeling in the market today. American Beauty roses continue to be scarce but there is a plentiful supply of all other stocks. On account of the very bad weather of last week much stock is off color and of poor quality. The prospects are remote of any marked improvement until Easter.

**EASTER PROSPECTS.**

All indications point toward a good Easter. For the past week one could not visit a plant growing establishment within 20 miles of this city without running across buyers from the retail stores. There will be plenty of Easter stock, though it is somewhat doubtful about a large supply of good lilies. Some lilies that we have noticed are very short and backward and others show a scarcity of good buds. Different reasons are advanced for this, the grower and the man who sold him the bulbs usually differing, so it is up to them to settle the question. The opinion has been advanced that on account of so much other good stock being offered at Easter, lilies are less popular than formerly, but there seems to be no good grounds for such an opinion. We believe that good lilies will sell as well or even better than ever before. There are fine stocks of Crimson Rambler, Dorothy Perkins, Lady Gay, Hiawatha, Magna Charta and other pot roses in sight. Not all of them can be brought in for Easter,

but there will be many. The azaleas, ericas, rhododendrons, spiraeas, hydrangeas and other smaller pot stocks will loom large in the aggregate. "Little Old New York" has been observing Lent in a devout way that has caused her detractors to hide their diminished heads and, take it from us, Easter will be celebrated with joy and gladness becoming to a great and religious city that will be emerging from the sack-cloth and ashes of repentance and good resolutions. We have devoted considerable space to plants, but there will also be a great trade in cut flowers. During February the cut flower men struck rather hard times and they deserve something good for Easter.

**NOTES.**

Arthur Herrington, well known to the horticultural trade, has resigned his position as superintendent of the H. McK. Twombly estate, Madison, N. J. His resignation takes effect April 1. He will engage in a general landscape gardening business, with offices at 500 Fifth avenue, this city, retaining his residence at Madison. He was superintendent of Florham Farms, the Twombly estate, for 14 years, and many of the beautiful features seen there are the results of his skillful planning. He is well known and recognized as a man of ability along the lines of landscape horticulture and deserves and doubtless will achieve success in his new venture.

At the store of Chas. A. Dards, Forty-fourth street and Madison avenue, we recently noted a novel arrangement of flowers in boxes. The boxes are about two feet long, handsomely gilded and decorated. They are filled with a variety of flowers, some with roses and sweet peas, others with carnations, sweet peas and yellow tulips. There are also boxes filled with yellow narcissus, sweet peas and pansies. An innovation in arrangement is that fancy crepe paper is placed between each layer of flowers, greatly adding to the beauty of the arrangement.

The next meeting of the Florists' Club, March 14, will be rose and sweet pea night. President Miller announces that a well known member of the club, who is too modest to have his name mentioned, will be present and will give a talk on sweet peas and also give an account of his recent trip to California. After due consideration of the above, we have decided that Anton C. Zvolanek of Bound Brook, N. J., will be the orator of the occasion. He is a modest man, knows a few things about peas, and has recently returned from California.

Among the many signs of spring very noticeable are the announcements of the plant auctions. Wm. Elliott & Sons will have their first auction

March 15. They have a great stock to offer, but, in addition to that it is a treat to visit their auctions and hear William Elliott, the auctioneer, talk. If he had not decided to be a seedsman and an auctioneer he would certainly have made a great orator.

J. Louis Loose, of Washington, D. C., spent several days of the past week in this city and vicinity. Mr. Loose is an extensive grower with a large range at Alexandria, Va. He is also a moving spirit in two large retail stores and a wholesale establishment in Washington.

**Washington.**

The warm, unseasonable weather has caused an overproduction of various kinds of stock, which has decreased the value of good stock to a great extent.

**NOTES.**

The regular meeting of the Florists' Club took place Tuesday night. It being election night a good attendance of members were present. John Robertson was elected president, Elmer Mayberry vice-president, O. A. C. Oehmler re-elected secretary, Tom F. Gude re-elected treasurer. Directors for three years, W. W. Kimmell, David Bissett, O. A. C. Oehmler. After the meeting adjourned everybody made merry. The growers promise to have plenty of A1 stock ready in time.

F. H. Kramer claims that he never has been so busy with funeral work as in the past few weeks, and his store is open until a late hour every night.

Gude Bros. will have an excellent supply of Easter stock, some specimens of which they are displaying in their F street store windows.

Geo. C. Shaffer, who has made a record as a bowler, has gone to Detroit, to bowl with the chamber of commerce team of this city.

The Washington Florist Co. reports good trade, and expects to have an abundant supply of home grown stock for Easter.

J. R. Freeman's window is decorated with advance specimens of Easter plants.

Z. D. Blackstone will have a good supply of Easter plants and novelties. G. S.

MANKATO, MINN.—E. C. Willard's greenhouse was burned to the ground February 25.

WATERBURY, CONN.—Frank Fioto, Hamilton street, is convalescing from his recent illness.

WATERLOO, IA.—Chas. Sherwood has the sympathy of the trade in the loss of his brother Earl, who died February 15, aged 22.



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1910

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Established 1887.  
106 West 28th Street, NEW YORK CITY.

Open the year around to receive shipments of Cut Flowers.

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26th Street and 6th Avenue and  
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Open from 6 a.m. to 6 p.m. The "Hub" of the Wholesale District.

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To out-of-town florists  
We are in the Heart of **New York**  
And give special attention to steamer and Theater orders. Prompt  
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PHONES, 1664-1665 MADISON SQUARE  
**ENOUGH SAID.**



Give us a Trial.  
We can Please you.

Roses, Carnations and all kinds of  
Seasonable Flowers in Stock.

**WM. F. KASTING CO.** Wholesale  
Commission Florists.  
**BUFFALO, N. Y.**  
Florists' Supplies and Wire Designs.

## Wholesale Flower Markets

| NEW YORK, Mar. 9.                   |             |
|-------------------------------------|-------------|
| Roses, Beauty, special.....         | 60 00@75 00 |
| " " fancy.....                      | 50 00@60 00 |
| " " No. 1.....                      | 30 00@40 00 |
| " " No. 2.....                      | 6 00@ 8 00  |
| " " No. 3.....                      | 1 50@ 2 00  |
| " " Bride, Bridesmaid, special..... | 8 00@10 00  |
| " " extra and fancy.....            | 6 00@ 8 00  |
| " " No. 1 and No. 2.....            | 3 00@ 4 00  |
| " " Killarney, special.....         | 10 00@12 00 |
| " " extra and fancy.....            | 6 00@ 8 00  |
| " " No. 1 and No. 2.....            | 3 00@ 5 00  |
| " " My Maryland.....                | 4 00@12 00  |
| " " Richmond.....                   | 3 00@15 00  |
| Carnations.....                     | 50@ 2 00    |
| Callas.....per doz.,                | 1 00@ 1 25  |
| Cattleyas.....                      | 25 00@60 00 |
| Gardenias.....per doz.,             | 1 25@ 3 50  |
| Hyacinths.....                      | 1 00@ 1 25  |
| Lilium Longiflorum.....             | 5 00@10 00  |
| Lily of the Valley.....             | 1 00@ 2 50  |
| Mignonette.....per doz.,            | 25@ 1 00    |
| Narcissus Paper White.....          | 1 00@ 1 50  |
| " " Yellow.....                     | 1 00@ 2 00  |
| Sweet Peas, per doz, bunches.....   | 50@ 1 25    |
| Tulips.....                         | 1 00@ 2 00  |
| Violets.....                        | 25@ 50      |

| BUFFALO, Mar. 9.                |             |
|---------------------------------|-------------|
| Roses, Beauty, special.....     | 5 00        |
| " " fancy.....                  | 4 00        |
| " " extra.....                  | 3 00        |
| " " Bride, Maid, Killarney..... | 4 00@12 00  |
| Carnations.....                 | 1 50@ 3 00  |
| Callas.....                     | 10 00@12 00 |
| Daffodils.....                  | 2 00@ 4 00  |
| Daisies.....                    | 1 00@ 1 50  |
| Hyacinths, Romans.....          | 2 00@ 3 00  |
| Jonquills.....                  | 3 00@ 4 00  |
| Lilium Longiflorum.....         | 12 00@15 00 |
| Lily of the Valley.....         | 3 00@ 4 00  |
| Mignonette.....                 | 2 00@ 4 00  |
| Myosotis.....per bunch          | 25          |

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Receivers and Shippers of

Fresh Flowers

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Telephone 3870-3871 Madison Square.

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**WHOLESALE FLORIST,**

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All flowers in season. Consignments of first class stock solicited.

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**Moore, Hentz  
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WHOLESALE COMMISSION FLORISTS

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Mention the American Florist when writing

**HORACE E. FROMENT**

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American Beauty Roses a specialty. Roses,  
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**JOHN I. RAYNOR**

Are the best product of the best growers  
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Adiantum Coweanum sold here exclusively.

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**KESSLER BROS.**

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CUT FLOWERS

Wholesale Plantsmen and Florists.  
Phone 2336 Madison Shipments Everywhere.  
Prompt and satisfactory. Consignments solicited.

**August Millang**

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**N.Y. Cut Flower Exchange**

Coogan Bldg., 6th Ave. &amp; W. 26th St., New York.

Open for Cut Flower Sales at 6  
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Desirable Wall Space to Rent for Advertising.

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**VIOLETS** CARNATIONS  
AND ROSES

Shipping Orders Receive Prompt Attention.

ATLANTIC CITY, N. J.—Howard D.  
Southworth, has severed his connections  
with the Edwards Floral Hall  
Co., and has accepted a position with  
J. J. Habermehls' Sons, in the Belle-  
view-Stratford hotel, Philadelphia.



## Greens! Greens! Greens!

**Boxwood**, per case, 50 lbs., \$6.00; 100 lbs., \$11.00  
**Leucothoe Sprays**, per 100, 50c; per 1000, \$4.00.  
**Galax**, green and bronze, per 1000, 75c; per case 10,000, \$6.00.  
**Wild Smilax**, per 50-lb. case, \$5.00; 2 case lots, \$9.00; 4 case lots, \$16.  
**Smilax**, per dozen strings \$1.50.  
**Fancy Eastern Ferns**, per 1000, \$2.00; 5,000 lots, \$8.00.  
**Green Sheet Moss**, per bundle, \$1.00.  
**Sphagnum Moss**, per bundle, \$1.00.

## William Murphy,

Wholesale Commission Florist.

L. D. Phone 311 Main St., Cincinnati, O.  
 M 980.

## Galax, Leucothoe Sprays

Send us your order for

## Green or Bronze Galax

Extra Quality, Large Sizes.

Packed in moss, suitable for cold storage,  
 50c per 1000 or \$4.50 per case of 10,000.

**Green Leucothoe**.....\$2.50 per 1000  
**Bronze Leucothoe**.....4.00 per 1000

THE TUCKASEEGEE EVERGREEN CO., Sylva, N. C.

### WHOLESALE PRICE LIST.

**Galax, Ferns and Leucothoe**, direct from the woods to the dealer.

**Galax**, green and bronze, 50c per 1000; **Ferns**, dagger and fancy, \$1.00 per 1000; **Green Leucothoe Sprays**, regular lengths \$2.00 per 1000; 10 to 15-in. \$1.00 per 1000; **Bronze Leucothoe**, regular lengths \$2.75 per 1000. Special prices on lots of 100,000 and up. Terms strictly cash, f. o. b. Elk Rapids, N. C.

North Carolina Evergreen Co., Banners Elk, N. C.

## George Cotsonas & Co.

Wholesale and Retail Dealers  
 in all kinds of  
**Evergreen**

Fancy and Dagger  
 Ferns, Bronze and  
 Green Galax,  
 Phone 1202 Mad. Sq.

Main Store, 50 W. 28th St., NEW YORK.

## New Crop Ferns

**FANCY** and **DAGGER** ready May 1st.  
 Special price for large orders  
 Price \$1.25 per 1000.

**CALDWELL THE WOODSMAN CO.,**  
**Evergreen, Alabama**

Perpetuated and Natural Sheet

## MOSSSES

Southern Wild Smilax:

**E. A. BEAVEN,** Evergreen, Ala.

STOCKTON, CALIF.—A new retail store has been opened in the Idle Hour theater building by Mrs. Will Davis.

NEWBURGH, N. Y.—The Schaefer Co., Broadway, recently received 50 cents conscience money from Fishkill-on-Hudson. The money came with a letter, which read: "Enclosed please find 50 cents, the price of a plant I once took without permission." The letter was well written and the spelling of every word was correct. The letter was written on the back of an old scrap of paper.



FANCY

DAGGER

## New Crop Hardy Cut Ferns

First Quality, \$1-25 per M.

ALSO DEALERS IN

## Baled Spruce for Cemetery Use

BOUQUET GREEN, SPHAGNUM MOSS, Etc.

**L. B. BRAGUE & SON,** Oldest, Largest and Most Reliable Dealers in the United States. **Hinsdale, Mass.**



FANCY.

## Henry M. Robinson & Co.

Wholesale Commission Florists.

### Cut Flowers of all kinds, Hardy Cut Evergreens and Florists' Supplies.

**Dagger and Fancy Ferns**.....\$1.50 per 1000  
**Bronze and Green Galax**.....\$1.00 per 1000; 8 50 per 10 000  
**Leucothoe Sprays**.....\$1.00 per 100; \$7.50 per 1000

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays,

A large stock constantly on hand. Can fill orders at a moment's notice, Telephone or telegraph.

Telephones: 2617-2618 Main; Fort Hill 25290.  
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## FANCY FERNs, \$1.75 per 1000

**New Crop Galax**, Bronze or Green.....\$1.25 per 1000; 10,000, \$7.50  
**Sphagnum Moss**, large bales.....\$1.25; 6 bales, \$7.00. Extra fine  
**Leucothoe Sprays**, Green and Bronze.....\$1.00 per 100; \$7.50 per 1000  
**Boxwood**.....per bunch, 35c; 50-pound case, \$8.50

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

## MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists and Florists' Supplies,

38-40 Broadway,

All phone connections.

**DETROIT, MICH**

## HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

**462 Milwaukee St., MILWAUKEE, WIS.**

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## Gurdon B. Smith

Covers all Points in Michigan. Best of Shipping Facilities in all Directions. Always has the best of Everything.



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**L. W. McCOY**

## WILD SMILAX

For Easter 50-lb. cases \$2.00

Dagger Ferns by the million in season.

Write or wire.

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## C. A. KUEHN, Wholesale Florist,

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A Complete Line of Wire Designs.

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WHOLESALE FLORISTS

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Supplies and Everything in Season always on hand

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

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TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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**The Cleveland Cut Flower Co.**

Will fill your orders for designs and cut flowers in  
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Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones

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THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in MINNESOTA AND THE DAKOTAS.

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Telegraph Orders  
A Specialty.

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**L. L. MAY & CO.**

Order your flowers for delivery  
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Successor to Sievers and Boland

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60 KEARNEY STREET.

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We Guarantee Satisfaction

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Flowers or Design Work.

Delivered in Albany and Vicinity on  
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Send flower orders for delivery in

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To THOS. F. GALVIN, Inc.,  
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We Cover All Points in Ohio.

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**Palmer's** Flowers  
of Quality  
W. J. Palmer & Son.  
304 Main St.

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All Orders Promptly Executed.

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Corner Miami and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good  
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Geo. M. Kellogg Flower and Plant Co.,  
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KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral  
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**John G. Heint & Son,**

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Telephone 247.

We are in position to fill promptly all mail, tele-  
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quality stock in season.

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Largest Floral Establishment in America  
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IN HEART OF NEW YORK CITY

Phone 2270 38th St. 1294 Broadway

Our Motto—THE GOLDEN RULE

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Both Phones 2670 Main.

Write, Telephone  
or Telegraph.

All orders given prompt  
attention.

Louisville, Ky.

Established 1880.

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739 Buckingham Place,  
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Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

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Mail, Telegraph or Telephone Orders Filled  
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Wholesale and Retail  
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Wholesale and Retail Florists.

We Handle Everything in Season.

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C. C. Pollworth Co.

Will take proper  
care of your orders in Wisconsin.

Buffalo, Niagara Falls, Lockport.

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Mail, Telephone and Telegraph orders filled  
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WILLIAM L. ROCK,  
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Will carefully execute orders for  
Kansas City and any town in

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Write, Wire or Phone Your Orders to

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Regular discount allowed on all orders, either  
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Telephones:  
1552-1553 Columbus. Choice Cut Flowers



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D. C.

Gude's

Washington, D. C.

Geo. C. Shaffer,

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Phone 2416 Main 14th & Eye Sts., N. W.  
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JACOB SCHULZ,

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FRANK F. CRUMP,

Wholesale and Retail Florist.

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Orders will be carefully  
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS.

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"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.

Greenhouses: Short Hills, N. J.

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...Floral Co.

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Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS &amp; FISHER

Order by mail, telephone, telegraph or  
cable. Cable address "Daniels, Denver"

Toronto, Can.

Canada's best known and most reliable florist

Only  
the  
Best **Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee  
safe arrival.

Anderson, S. C.

THE ANDERSON FLORAL CO.

533 MARSHALL AVE.



DO YOU KNOW WE GROW

# The Finest Roses

## in Ohio?

**The J. M. Gasser Company**  
 1035 Prospect Ave., 1008 Euclid Ave., **CLEVELAND.**

Plenty of cheap roses now for funeral work.

EASTER EASTER EASTER  
**HENRY M. ROBINSON & COMPANY**  
 WHOLESALE COMMISSION FLORISTS

TELEPHONES { MAIN 2617-2618  
 FORT HILL 25290-25292

15 PROVINCE STREET AND  
 9 CHAPMAN PLACE  
 BOSTON, MASS.

**Easter Lilies in Pots \$12.50 per Hundred**

**ROSES**—American Beauties, Brides and Bridesmaids, Richmonds; Killarnies, Pink and White; Maryland.

**Carnations;** Lily of the Valley; Tulips, Lorraine and Murillo; Daffodils and Jonquils, best varieties; Violets, single and double.

**Cut Easter and Calla Lilies;** Pansies, Sweet Peas, Mignonette, Marguerites, Smilax, Sprenger and Plumosus, Croweanum Fern.

**Best Quality of Stock at Lowest Market Prices**

We carry a full line of Florists' Supplies and Hardy Cut Evergreens, such as Dagger and Fancy Ferns, Bronze and Green Galax, Cut Box Wood Sprays, Festooning and Branch Laurel, Leucothoe Sprays, Green and Sphagnum Moss.

**SATISFACTION GUARANTEED—WE NEVER DISAPPOINT.**

**YOU CAN DEPEND UPON ALL ORDERS BEING FILLED AS PLACED.**



## The Seed Trade.

### American Seed Trade Association.

J. C. Robinson, Waterloo, Neb., Pres.; M. H. Duryea, New York, First Vice Pres.; F. W. Boligiano, Washington, D.C., Second Vice Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.; Leonard H. Vaughan, Chicago, Asst. Sec'y. Twenty-eighth annual convention, at Atlantic City, N. J. June 21, 1910.

LOS ANGELES, CALIF.—John Lewis Childs left March 9 for the east.

THE agricultural appropriation bill, aggregating 13 millions of dollars, has passed both houses. Free seed distribution will continue.

J. S. MICHAEL, of Sioux City, Ia., passed through Chicago last week, returning from the east, and reports that the February seed business in the cities visited was much behind that of last year.

GILLET, WIS.—Jacob Spies of Grand View, says the Gazette, hauled through here, February 12, a load of clover seed valued at nearly \$1,000. The load was hauled by one team of horses and sold at \$8 per bushel, netting a total of \$960.

THE Indiana Corn Growers' Association is asking the legislature for an appropriation to enable the experiment station at Purdue university to take up educational work for the production and sale of a higher grade of small seeds.

THE late James J. H. Gregory, whose death was recorded in last week's issue, was a broad-minded man, his will including bequests for the Episcopalian, Methodist, Roman Catholic, Universalist and Congregational churches of Marblehead, Mass., declaring that each "in its own way was doing its best for the improvement of mankind."

NEW YORK.—Chas. McTaggart, a well known man in the seed business of this city, has opened a retail seed store at 123 Warren street, near West street. Mr. McTaggart started in the seed business 17 years ago with the Peter Henderson Co. Later he held a responsible position with Weeber & Don. For the past three years he has been with J. M. Thorburn & Co.

CHICAGO.—Contract prices on the board of trade March 9 for grass seed were noted as follows: Timothy, \$3.70 nominal. White clover, from 20 cents to 25 cents.—Leonard H. Vaughan celebrated the thirtieth anniversary of

his birthday March 8.—A. H. Goodwin has returned from Europe.—Bright, mild weather during the first 10 days of March have given a decided impetus to counter and retail trade.

### Soy Beans.

#### ED. AMERICAN FLORIST:

We notice in your issue of February 12 the article in regard to Soy bean utilization. It might be interesting to some of your readers to know that Soy beans are being imported into this port, and that there is a factory in Seattle manufacturing Soy beans into oil cake meal and selling the product for much less than cotton seed meal or oil cake meal made from flax can be sold. If any of your southern readers have a surplus of Soy beans, they can find a market for them in this city.

CHAS. H. LILLY Co.

Seattle, Wash.

### Canary Islands Conditions.

Federico C. Varela writes from Teneriffe at the end of February that drought conditions prevail there more prolonged than have been known in the islands for 30 years. For this reason, he says, crops of Bermuda onion seed may be expected this year only from the best irrigated land, which is worth with water rights and care \$2,000 per acre. The prices of reliable seed can therefore not be made at any low figure and he cautions American buyers against possible offers of cheap seed of either poor stock selection or low vitality, or both.

### American Grass and Clover Seed Abroad.

Vice-Consul George B. Stephenson, of Liverpool, in reply to an American exporter of grass and clover seeds, writes concerning the British market as follows: "The imports into the United Kingdom of grass and clover seed from the United States during the last five years for which statistics are available are as follows, in hundred-weights (of 112 pounds each): 1904, 111,869; 1905, 101,101; 1906, 90,505; 1907, 88,204; 1908, 101,339. The bulk of the clover seed finding an English market comes from Chile, the quotation at the close of 1909 for seed of that origin having been about \$17 a hundredweight. Firms consulted state that the demand for American clover and grass seed on the Liverpool market is somewhat limited, owing to the large amount used in the United States and

the high price given there, which, as a rule, makes it impracticable for the seed to be shipped to England, where it must compete with seeds grown where the home demand is not so great and prices therefore lower."

Consul George Heimrod, of Berne, in answering an American inquiry, gives the following information in reference to imports of grass and clover seed into the republic: "Switzerland imported grass and clover seed in 1908 to the extent of 2,273,000 pounds, from the following countries: Germany, 703,000; France, 500,000; Italy, 412,000; England, 395,000; Austria, 136,000; United States, 116,000; Belgium, 10,000; and Denmark, 1,000 pounds. The German and French seed was valued at \$17.50, and that from the United States at \$9.55 per 100 pounds. The statistics do not give details as to what amount was grass and what amount clover seed. There is no customs duty on these articles. Much of the seed imported from the United States is timothy, as little American clover is used."

### Adulterated Seeds.

Circular No. 31 of the United States Department of Agriculture, dated February 16, says in part as follows:

Kentucky Blue Grass—Of 446 samples 14 were found to be wholly or in part seed of Canada bluegrass, showing a decided decrease from former years, when 39 samples were found. Germination averaged 62 per cent.

Alfalfa.—While 107 out of 359 samples contained dodder, none were found either adulterated or misbranded.

Red Clover.—Of 630 samples obtained 54 contained dodder, less than 9 per cent as against 50 per cent last year. None were misbranded.

Orchard Grass.—Of the 379 samples 55 were found to be adulterated with seed of meadow fescue or rye-grass or both, practically the same percentage as in 1908.

The names of 49 seedsmen and dealers are published in this circular.

### Stock of Potatoes January 1, 1910.

Replies to inquiries made by the bureau of statistics of the Department of Agriculture among potato growers and dealers in the principal potato-growing sections of the United States indicate that on January 1, 1910, about 41.2 per cent of the crop raised for market in 1909 remained in the hands of growers and 9.6 per cent in the hands of interior dealers, as compared with 32.5 per cent of the crop raised for market in 1908 in the hands of growers and 11.3 per cent in hands of interior dealers on January 1, 1909. The total potato crop of 1909 was estimated as 376,537,000 bushels, and the 1908 crop 278,985,000.

## NOTICE.

I have disposed of a part interest in my seed growing business to Mr. L. W. Wheeler and we have incorporated a new firm under the title of Pieters-Wheeler Seed Company, Hollister, Cal.; A. J. Pieters, President; L. W. Wheeler, Secretary.

The new firm will continue to follow my policy of growing first-class stocks and I hope my former customers will favor the new concern with their business.

A. J. PIETERS.

## Braslan Seed Growers Co.

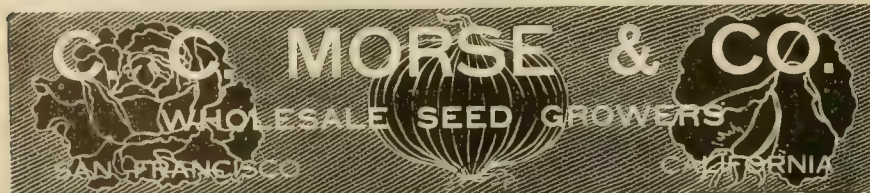
Lettuce, Onion, Sweet Peas,  
Growers for the Wholesale  
Trade Only.

SAN JOSE, CALIF.

## Peas AND Beans

Alfred J. Brown Seed Co.,

Growers for the Wholesale Trade.  
GRAND RAPIDS, MICH





**VAN ZANTEN BROTHERS**

Royal Netherland Bulb Nurseries  
and Export Trade.

**HILLEGOM, HOLLAND,**

Wholesale growers of the leading sorts of  
**Hyacinths, Tulips, Narcissus, Crocus,**  
**Spireas, Gladiolus, Peonies, etc., etc.**

Write our traveler, **MR. G. HYLKEMA**, care of  
**Messrs. Maltus & Ware, 14 Stone St., New York,**  
for Catalogue and Special prices of all

**HOLLAND BULBS AND PLANTS**

*Mention the American Florist when writing*

**A BARGAIN**

**Gladiolus "1900"**

Brilliant, rich red color dark green  
foliage. Fine for massing on the lawn  
or in the park.

**Healthy Bulbs**

\$1.00 per 100; \$8.00 per 1000.

**THOMAS J. OBERLIN,**  
**SINKING SPRING, PA.**

*Mention the American Florist when writing*

**S. D. WOODRUFF & SONS,**  
**SEED GROWERS**

Dealers in Garden, Field and Flower Seeds.  
**Specialties:** Beet, Carrot, Corn, Peas,  
Beans, Onion Sets and Seed Potatoes.  
Catalogue free. Contracts taken.

**82-84 Dey Street,**

**Orange, Conn. NEW YORK.**

*Mention the American Florist when writing*

GET QUOTATIONS FROM

**LANDRETH**

**SEEDS which SUCCEED**

**Bloomdale Farm. Bristol, Pa.**

*Mention the American Florist when writing*

**Pape & Bergmann,**

**Quedlinburg, Germany.**

**Elite Seeds of Flowers and Vegetables.**

**Specialties:** Stock, Pansies, Cyclamen, etc..  
Cactus Dahlias. Bulbs. **General Catalogue Free**  
*Mention the American Florist when writing*

**STOCK SEED**

**Fisk's Branching** in all  
colors. Trade packet.  
40c. oz. \$4.00.  
**Pure White, tr. packet.**  
50c. oz. \$5.00.  
Also **Beauty of Nice**  
strains.  
**H. E. FISKE SEED CO.,**  
**Boston, Mass.**

**SEEDS**

**Best that grow.** We sell di-  
rect to gardeners and florists  
at wholesale. Big beautiful  
catalogue free. Write today.

**ARCHIAS' SEED STORE, Box 50 Sedalia, Mo.**

**DUNKIRK, N. Y.**—Owing to the S.  
S. Philadelphia running aground when  
entering Boston harbor, quite a con-  
siderable portion of the cargo of seeds,  
consigned to the Lake Shore Seed Co.,  
had to be thrown overboard to float  
her.

**WILDPRET BROTHERS**

**Largest Growers and Exporters of**



**HIGHEST  
GERMINATION**

**White and Red  
Bermuda.**

**EARLY  
DELIVERY**

**Crystal Wax and  
Golden Onion.**

Let Us Book Your Order At Once  
So As To Obtain Full Delivery.

**Prices on Application.**

**We Supply Seedsmen Only.**

**Port Orotava, Teneriffe, Canary Islands.**

**Fine Aster Seed**

Catalogue Now Ready.

**VICK & HILL CO.,**

Box 613, Rochester, N. Y.

ESTABLISHED IN 1824.

**Bridgeman's Seed Warehouse**

**RICKARDS BROS., Props.,**  
**37 East 19th St., New York**  
bet Broadway and 4th Ave..  
Telephone 4235 Gramercy.

—FOR—  
**SEEDS**  
OF ALL KINDS APPLY TO  
**W. W. JOHNSON & SON, Limited,**  
**Boston, England.**

CLEARING SALE

**Perennial Rye Grass**

(Lolium Perenne), crop 1909. The heaviest  
seed ever imported, weighing 26 lbs. per bushel.  
Samples on request.: 1b., 6c; 100 lbs., \$5.50. f.o.b.  
New Orleans.

**THE AVENUE FLORAL CO.,**  
**3442 St. Charles Ave., NEW ORLEANS, LA.**

**JOHN BODGER & SONS CO.**  
**Gardena, Calif.**

Wholesale Growers of Sweet Peas,  
Tomatoes, Lima Beans, Lettuce, Asters,  
Cosmos and other Flower Seeds.

**Waldo Rohnert**

**GILROY, CAL.**

**Wholesale Seed Grower**

**Specialties:** Lettuce, Onion, Sweet Peas, Aster,  
Cosmos, Mignonette, Verbena, in variety.  
Correspondence solicited.

**S. M. Isbell & Co.,**

**Jackson, Mich.**

**CONTRACT SEED GROWERS,**

**Bean, Cucumber, Tomato, Pea, Muskmelon,**  
**Squash, Watermelon, Radish, Sweet Corn.**  
Correspondence solicited.

**CAULIFLOWER SEED**  
**CABBAGE SEED**

**LILY OF THE VALLEY PIPS**

**HJALMAR HARTMANN & CO.**

**Logangstraede 20, COPENHAGEN, DENMARK**

**Send Advt's. Early for Best Service.**



## Market Gardeners

### Greenhouse Vegetable Growers and Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President;  
Franklin DeKleine, Grand Rapids, Mich.,  
Vice-President; S. W. Severance, 508 Illi-  
nois Life Building, Louisville, Ky., Secre-  
tary; M. L. Ruetenik, Cleveland, O., Treas.

#### Notes on Seed Testing.

As a rule American market gardeners pay very little attention to seed testing, depending mostly upon the seeds they buy as being strong and fresh. However very often considerable quantities of seed are carried over from one season to another and these are of more value than any new supplies, because we have proven them by actual cropping on our land and under our conditions. Hence it is very important to know the germinating qualities of such stock to avoid losses or delays.

There are several methods of seed testing in common use—placing seeds between layers of moist cloth, sowing in sand and sowing into ground. Each has its proper place and time. However, unless a test is carefully carried out it is worthless. Thus the operator must know the degree of heat and amount of moisture most suitable. The same treatment will not do for all. We must try to get as near as possible at natural conditions. Thus such seeds as are sown early and expected to come up under low temperatures and excessive moisture must be tested along such lines; while heat loving subjects need warm places.

Then we must consider the season. Some seeds are very difficult to sprout in winter and the nearer we approach their natural sprouting season, the better the test, while others again refuse to sprout in great heat, such as the summer months. Thus we see a test made out of season may prove entirely worthless or worse than that, very misleading.

During the winter months the sand test is the best, as seeds sprout more readily in clean sand than in moist earth, and the sand gives enough root action to allow us to judge of the strength of the young plants, which the moist cloth test does not permit. The depth at which seeds should be tested must be decided upon according to season. Thus in the dark winter months very little covering is permissible while later on more covering is needed to allow for higher temperatures and rapid evaporation. Different varieties often vary greatly; thus Grand Rapids lettuce will permit of very little covering only, or none at all, while some head lettuces will push through an inch of heavy clay. A person interested in seed testing should therefore study the nature of the subject to be treated, as regards time, medium used, temperature, moisture, depth and length of duration required to germinate the different seeds.

MARKETMAN.

CANANDAIGUA, N. Y.—A. C. Cappon will erect, this spring, a truss house, 50x90 feet, for carnations.

## Heyl's Concentrated Nitrogen Producer

Prepared under the direct supervision of Dr. Meade Ferguson,  
Bacteriologist of the Government of Virginia.

## For Seed and Soil Inoculation

Do you want your garden, field peas, other legumes to be ready three weeks earlier than other peoples', being at the same time three times sweeter and more nourishing, send 50c for a bottle of "Heyl's Concentrated Nitrogen Producer" made according to Dr. Meade Ferguson, Chief Bacteriologist, State of Virginia. Sole makers Standard Nitrogen Co., Singer Bldg., New York.

Book on Seed and Soil Inoculation free.

## SPLENDID RESULTS

Works with **COMPOSITE** any legume.

WRITE FOR BOOKLET.

AGENTS WANTED.

PRICES  
within reach of  
everyone.

50c Sufficient to Inoculate  
1 bushel Seed.  
80c Sufficient to Inoculate  
2 bushels Seed.  
\$2.00 1 acre size.

Plain Stopper  
Guaranteed 6 mo.  
Improved Stopper  
Guaranteed 2 yrs.

Manufactured Solely By

STANDARD NITROGEN CO., Singer Bldg., New York.

## TO SEEDSMEN

BUY YOUR

## Bermuda Onion Seeds

Direct from the grower who knows how to handle  
the plow and to cultivate his crop.

Varela's Own Grown Seeds ARE THE BEST  
YOU CAN GET.

Please Send Your Contract at Once to

**FEDERICO C. VARELA,**  
Teneriffe, Canary Islands.

## VEGETABLE PLANTS.

Cabbage, Wakefield and Succession, \$1.50 per 1000. Parsley, 25c per 100: \$1.25 per 1000.  
Lettuce, Big Boston, Boston Market Grand Rapids, \$1.00 per 1000. Beet plants, \$1.25 per 1000.

—Cash with order.—

R. VINCENT, Jr. & SONS CO., White Marsh Md.

#### Prices of Indoor Fruits and Vegetables.

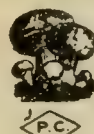
New York, March 5.—Mushrooms, 25 cents to 40 cents per pound; cucumbers, 75 cents to \$2 per dozen; tomatoes, 25 cents per pound; radishes, 3 cents per bunch; asparagus, green, \$5.50 per dozen bunches; white, \$8 per dozen bunches; grapes, Gros Colman, 75 cents per pound; peaches, \$2 per dozen; Mint, 75 cents per dozen bunches; beet tops, 65 cents per bushel.

Chicago, March 9.—Mushrooms, 25 cents to 60 cents per pound; cucumbers, \$1.25 to \$1.50 per dozen; leaf lettuce, 40 cents per box; head lettuce,

## Wanted

Contracts to grow all kinds of Vegetable Plants, transplanted or not. Also Geraniums, Coleus, Cannas, Salvias, Verbenas, Pansies, etc., for spring delivery. All stock only. Correspondence solicited.

Alonzo J. Bryan, Wholesale Florist,  
Washington, New Jersey.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

Florida, \$3.50 per hamper, Louisiana, \$5 and \$7 per barrel; tomatoes, 20 cents per pound; radishes, 50 cents per dozen; asparagus, 25 cents to 40 cents per bunch; grapes, Gros Colman, 75 cents per pound; rhubarb, 60 cents.





NORA UNWIN SWEET PEA.

|                                                                                                                    |       |        |
|--------------------------------------------------------------------------------------------------------------------|-------|--------|
| <b>Flora Norton.</b> A very bright blue quite different from other blues, being a brighter blue and clearer color. | ¼ lb. | lb.    |
| <b>Flora Frazer.</b> An improved Blanche Ferry, with longer stems, true to type.                                   | \$.10 | \$0.30 |
| <b>Frank Dolby.</b> Largest and best pale lavender.                                                                | .15   | .40    |
| <b>King Edward VII.</b> The best of the dark red.                                                                  | .25   | .80    |
| <b>Lady Grisel Hamilton.</b> The best of all lavender sorts.                                                       | .10   | .40    |
| <b>Lord Nelson.</b> Improvement on navy blue color, rich navy blue.                                                | .10   | .30    |
| <b>Lovely.</b> Shell pink, extra fine.                                                                             | .10   | .25    |
| <b>Mont Blanc.</b> An early flowering white, for forcing.                                                          | .10   | .35    |
| <b>Mrs. George Higginson, Jr.</b> Clear azure blue.                                                                | .10   | .25    |

## Vaughan's Sweet Peas

### SPENCER AND UNWIN TYPES.

|                                                                         | ½ oz. | 1 oz. | ¼ lb.  | lb.           |
|-------------------------------------------------------------------------|-------|-------|--------|---------------|
| <b>Apple Blossom (Spencer).</b> Primrose, with rose standard.           |       |       | \$0.25 | \$0.80 \$3.00 |
| <b>Asta Ohn (Spencer).</b> The best lavender in the Spencer selections. |       |       | \$0.40 | .75           |
| <b>Blanche Ferry (Spencer).</b> Pink and white Spencer type.            |       |       | .25    | .50           |
| <b>Countess Spencer (Variety).</b> Bright clear pink.                   |       |       | .10    | .35 1.25      |
| <b>Dainty (Spencer).</b> White with very light pink edge.               |       |       | .25    | .85 3.20      |
| <b>Florence Morse (Spencer).</b> Delicate blush with pink margin.       |       |       | .15    | .40 1.60      |
| <b>George Herbert (Spencer).</b> Bright rose carmine.                   |       |       | .15    | .40 1.60      |
| <b>Gladys Unwin.</b> One of the finest pinks in existence.              |       |       | .10    | .20 .50       |
| <b>King Edward VII (Spencer).</b> Deep rich carmine scarlet.            |       |       | .30    | .50 1.60      |
| <b>Mrs. Alfred Watkins.</b> Superb pale pink.                           |       |       | .10    | .20 .60       |
| <b>Mrs. Sankey (Spencer).</b> A black seeded pure white.                |       |       | .50    |               |
| <b>Mrs. Walter Wright (Spencer).</b> Rose purple.                       |       |       | .40    |               |
| <b>Nora Unwin.</b> The best white.                                      |       |       | .10    | .20 .60       |
| <b>Paradise.</b> A dark shade of pink.                                  |       |       | .10    | .30           |
| <b>Primrose (Spencer).</b>                                              |       |       | .10    | .20 .60       |
| <b>Princess Alice (Spencer).</b> Light rosy mauve.                      |       |       | .15    | .40 1.40      |
| <b>Princess Victoria.</b> White blush and pink edged Spencer.           |       |       | .15    | .50 1.80      |
| <b>Ruby (Spencer).</b> Scarlet Spencer.                                 |       |       | .40    | 1.50          |
| <b>Sutton's Queen.</b> Primrose edged in margin with buff.              |       |       | .15    | .45 1.60      |
| <b>White (Spencer).</b> Flowers absolutely pure white.                  |       |       | .10    | .20 .60       |

### STANDARD VARIETIES.

|                                                                                                                                                                                                                         | ¼ lb.                                 | lb.     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------|
| <b>Blanche Ferry.</b> Pink and white.                                                                                                                                                                                   | \$.10                                 | \$0.20  |
| <b>Bolton's Pink.</b> Pink shaded rose, of immense size.                                                                                                                                                                | .15                                   | .50     |
| <b>Bride-maid.</b> This is a deep bright pink.                                                                                                                                                                          | .15                                   | .40     |
| <b>Dainty.</b> Large pure white tinted with pink.                                                                                                                                                                       | .15                                   | .35     |
| <b>Dorothy Eckford.</b> One of the best of all the white.                                                                                                                                                               | .10                                   | .30     |
| <b>Emily Henderson.</b> White, early and free.                                                                                                                                                                          | .10                                   | .25     |
| <b>Evelyn.</b> Rich fiery orange; very striking and unique.                                                                                                                                                             | .15                                   | .40     |
| <b>Prince of Wales.</b> Deep rose.                                                                                                                                                                                      | .10                                   | .25     |
| <b>Salopian.</b> Rich deep scarlet.                                                                                                                                                                                     | .10                                   | .25     |
| <b>Queen Alexandra.</b> Giant size; best scarlet.                                                                                                                                                                       | oz., 10c                              | .15 .40 |
| <b>Shasta.</b> Giant flowered white.                                                                                                                                                                                    |                                       | .15 .40 |
| <b>White Wonder.</b> Pure white, of the largest size.                                                                                                                                                                   |                                       | .15 .40 |
| <b>Vaughan's Florist Mixture.</b> This mixture is made up by ourselves from separate colors, carefully proportioned of the best cut flower sorts and colors, and includes this year some of the best Spencer varieties. | ¼ lb., 20c; lb., 80c; 5 lbs., \$3.50. |         |
| <b>Eckford Mixture.</b> This mixture contains over thirty varieties, including novelties of 1909. Per ¼ lb., 10c; lb., 25c; 10 lbs., \$2.00.                                                                            |                                       |         |

## VAUGHAN'S SEED STORE,

25 Barclay St., NEW YORK.

84-86 Randolph St. and 202 W. Randolph St., CHICAGO.

"Spring Book for Florists." Ask for it.

### Plant Market for New York.

In an article in the Sun of February 27, headed "School Gardens Wanted," Mr. Stewart is quoted as saying: "I think it would be a good idea to have a plant market somewhere in New York." It is to be hoped that this will not fall on stony ground. New York is the only city of any consequence in the United States that has not a regular plant market.

The New York Market Florists' Association rents from the city 5,000 square feet of ground at the corner of Canal and West streets, paying \$1,000 for the use of it for the three spring months. On this ground they erect a tent, which gives some protection from rain, but does not keep out the cold. This is the nearest approach to a plant market in New York. Strenuous efforts have been made by the above mentioned association to provide a market. Committees have appeared before every mayor and city administration from Grant to McClellan, but they got no recognition until Comptroller Grout became interested. That gentleman, after convinc-

ing himself that a market would at least be self-supporting, took up the project in a very energetic and businesslike manner and had plans and estimates made for a building adequately heated and ventilated, suitable in every way for plant market purposes. He "put it up" to the board of estimate and apportionment, which promptly rejected his proposal. Unfortunately Mr. Grout went out of office about that time, and no further efforts have been made to get a market building.

This may not be the kind of a plant market that Mr. Stewart has in mind, but the fact remains that a plant market in New York is a crying need. Plants and flowers should not be luxuries; there should be some method whereby they could reach the people at a reasonable price. Evidently the School Garden Association and the Florists' Association have the same object in view, namely, to get the people interested in gardening. Obviously the first step should be to agitate for a good market building from which plants could be distributed at the least possible expense. Will the School Garden Association make an effort in this direction?—J. B. in New York Sun, March 2.

### How to Enjoy a Melon.

I extract the following recipe, freely translated from "La Tribune des Societes Horticoles," Brussels, says a correspondent of the Gardeners' Magazine: "Take a Cavaillon melon (shun the Cantaloupe), cut it circularly round the stalk with an enamelled knife and remove the seed with a silver spoon, not disturbing the pulp. This done, put alternate layers of refined sugar (two spoonfuls) and alpine strawberries until it is full, and then pour in a bottle of irreproachable Bordeaux to fill up the spaces between berries and sugar. Then replace the severed part to serve as a stopper, and let it stand in a cool cellar for 24 hours. Empty then the contents into a dish, and the solemn hour will have arrived. As for the melon itself, present it to some lukewarm friend at the right season." For the combination this might be worth trying by the fruiticultural gourmet, or the members of the fruit committee, by way of a change from unsophisticated material.

In making concrete forms use well-seasoned wood as far as possible. Green wood is apt to curl up and warp and is unsatisfactory generally.



## The Nursery Trade

### American Association of Nurserymen.

F. H. Stannard, Ottawa, Kans., President;  
W. P. Stark, Louisiana, Mo., Vice-President;  
John Hall, Rochester, N. Y., Sec'y.  
Thirty-fifth annual convention to be held  
at Denver, Colo., June 8-10, 1910.

ARDMORE, OKLA.—John P. Kerr, of Sherman, Tex., has been employed by the city park board to do the landscape gardening in the parks of this city.

THE Rogue River Valley Nursery Co. has been incorporated with capital stock \$20,000. Its headquarters are at Medford, Ore., and the incorporators are F. H. Cook, D. Franklin and C. F. Cook.

### American Association of Nurserymen.

#### THIRTY-FIFTH ANNUAL CONVENTION.

There is every indication that this year's gathering of the nurserymen of the United States at Denver, Colo., June 8-10, will be both large and enthusiastic. The new secretary, John Hall, of Rochester, N. Y., is busy looking after details, and expects shortly to issue a circular letter to members setting forth the arrangements made for hotel accommodations and terms, as well as information concerning railroad rates and special offers. The Brown Palace hotel has been selected as headquarters. It is a thoroughly modern, fire-proof building, all large outside rooms, and under excellent management.

Those who know anything about "The Queen City of the Plains" are aware that it is a popular convention city and an ideal place for the assembling of an organization like that of the American nurserymen in the month of roses. The entertainment committee has not been asleep, either. Chairman Frank A. Weber, Peter Youngers and A. M. Ferguson recently met in Denver and arranged for the following entertainment to be given by the western nurserymen to the members attending the national convention of American Association of Nurserymen:

On the afternoon of June 8, the ladies will be given a sight-seeing trip through Denver and vicinity. On the afternoon of June 9, the ladies will be entertained at a matinee in one of the theaters, and on Friday, June 10, subject to the action of the programme committee, the committee has arranged for a sight-seeing trip over the Moffat route to Corona, for the members and their ladies. This is said to be the finest scenic route out of Denver, and has been styled by eminent civil engineers as the "greatest piece of engineering in the world." This trip will be complimentary to members and their ladies, and it is hoped the nurserymen will take advantage of this splendid display of hospitality on the part of their western brethren. Luncheon will be served on the trip. A special train will leave Denver at a convenient hour in the morning, returning in the late afternoon.

Other features have been arranged, and will be announced later. The western nurserymen hope that the members from the east will be well represented. Besides those already

mentioned, the members of the entertainment committee are: F. H. Stannard (ex-officio), J. W. Hill, C. G. Ferguson and George B. Fravert. Secretary Hall is exceedingly anxious that members will anticipate his circular letter and be ready to give quick response to his appeal for membership fees and for advertisements and registration in the badge-book. First come first served, is his motto.

### Early Lilacs.

#### ED. AMERICAN FLORIST:—

Among the many lilacs listed by nurserymen and florists, what varieties can be recommended most highly for early and free flowering qualities?

B. H. I.

The best early flowering lilacs are nearly all varieties of the common lilac (*Syringa vulgaris*). There are two species from China that flower about one week ahead of any of the *S. vulgaris* forms, namely, *S. oblata* and *S. Giraldi*. Amongst the varieties of *S. vulgaris*, the best single whites are Princess Alexandra, Marie Le-graye, Frau Damman and Madame Moser; single deep purple red to reddish, Aline Macquerry, Congo, Negro, Ludwig Spath, Philemon and Rubra Insignis; single rosy lilac to creamy pink, Lilarosa, Dr. Von Regel, Lovaniensis, Jacques Callot, Furst Lichtenstein and Macrostachia; single blue to bluish lavender, Colmariensis, and *Cœrulea Superba*; double white, Madame Lemoine, Madame Casimir Perier, Miss Ellen Wilmott, Obelisque, and Rabalais; double purple red to reddish, Charles Joly, La tour d'Auvergne, Marechal de Bassompierre, Colbert, and Souvenir de L. Thibaut; double rosy lilac to creamy pink, Madame Jules Finger, Rosea Grandiflora, Dr. Maillot, and Louis Henry; double blue to bluish lavender, President Grevy, Alphonse Savalle, Lamarck Monument Carnot, Michael Buckner and Doyen Keteleer. The Rouen Lilac, *Syringa Chinensis*, in its lilac, reddish and white forms, should be in all collections. The list of 41 species and varieties of lilacs alone represent a selection from a collection of 200 kinds.

JOHN DUNBAR.

### Chicago.

There has been trouble between A. J. Prost, city forester, and H. Stockman, the park board's landscape gardener, respecting tree trimming, and this reached a climax while both were inspecting the work that had been done by the tree trimmers. Prost, angered because he was not consulted about the work, as required by a city ordinance, was fighting mad when he saw what a bungling job had been done.

The only excuse Stockman could offer was that the foreman he had engaged to superintend the work had been unable to be there and the laborers went ahead and sawed off limbs and branches as they saw fit. While this argument was in progress the men, with Schmid, a local saloon-keeper, and several others, were standing in the middle of the street looking at the trees. As the language became more and more heated Schmid became alarmed. They talked it over, but not in the peaceful, deliberative way Schmid hoped they would. Several times he was forced to leave his place behind the bar to restore order.

Stockman said his only interest in the job was to provide a few days' employment for some of the park laborers whom the cold weather had

thrown out of work, according to a local paper. "I realize that Prost should have been notified," he added, "but I forgot about him being the city forester." Prost was disgusted when he saw the trees.

"One of the first principles of tree trimming," he said, "is to paint the scars over with tar or some other substance to keep out the water and rot. This was not done. The trees were not trimmed evenly, and it was a bungle all around."

The property owners signed an agreement prepared by the officers of the improvement association by which they promised to pay 75 cents for each tree trimmed, provided the work was done by experienced men. Schmid, on whom was thrown the task of making the collections, said he had not been able to gather more than half of the money that was promised. But, being a peace loving man, Schmid dug into his own pocket for the amount necessary to pay the difference. He would rather do that, he said, than kick up another fuss.

### For the Promotion of Forestry.

Augusta, Ga.—Hon. Edgar E. Ring, state forestry commissioner, has been honored as a forestry member of the advisory board of the United States Industrial and Exposition Co., which organization proposes to hold a national exposition for the promotion of forestry, which in the past few years has become quite a problem. The circular which is being sent out by the exposition says in part:

"Among the various departments of the exposition forestry will have a prominent place. The exposition will set aside a large tract of land devoted to the culture and propagation of trees suitable for the various climatic conditions of the country with special research into the best known varieties for forests, having been denuded by fires and those states included in the dry or arid period. The forestry building, plans for which are now under consideration, will be one of the most modern construction and adapted in every way to the best methods for practical work. With a unanimity never before paralleled the people of the country are demanding that a stop be put to the wholesale destruction and waste of forests."—Bangor (Me.) Commercial.

## For Immediate Delivery ROSES

Dormant, field grown, own roots

Sweetheart, Tausendschon, T. Blumschen, Barbier, 20c each.

La Fiamma, Trier, Dorothy Perkins, Lady Gay, Debutante, Hiawatha, 12c each.

### Clematis Paniculata

Field Grown

1-year 6 cents. 2-year 10 cents

### Dutch Hyacinths.

Named varieties, single and double, 45 kinds, First size bulbs, \$6.00 per 100; extralarge exhibition size, \$10.00 per 100.

### Chinese Sacred Lilies

\$3.00 per 100; \$25.00 per 1000.

Hydrangea Paniculata Grandiflora 18 to 24 ins.....6c. 2 to 3 feet.....9c

### Viburnum Plicatum.

2 to 3 feet.....12c. 3 to 3½ feet...15c

Write for our special prices on Hardy Shrubs.

THE DINGEE & CONARD CO.,

West Grove,

Penna.



## Apple Root Grafts

In most any quantity. Write us or prices on varieties wanted. We offer also a choice stock of hardy home grown

## APPLE SEEDLINGS

Clean, healthy and strong roots grown from French Crab Apple Seed. Roots that will please everybody. Will mail samples to buyers of large quantities.

FARMER SEED & NURSERY CO., Faribault, Minn.  
Successors to Gjestrum, Olinger & Evans.

## JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture.

## Jacs Smits & Co., NAARDEN, (Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Price List Free on Demand.

## LARGE TREES

OAKS and MAPLES  
Pines and Hemlocks

## ANDORRA NURSERIES,

Wm. Warner Harper, Prop.  
Chestnut Hill, PHILA., PA.

## Peonies....

### Lucretia Dewberry

In large quantities. If in need write

GILBERT H. WILD, Sarcoxie, Mo.

## Phoenix Nursery Company

Nurserymen and Florists

BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for spring issued Feb. 1st

## Arbor Vitæ

(Thuja Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

The Wm. H. Moon Co.,  
MORRISVILLE, PA.

## DAHLIAS

Jack Rose and other best Cut Flower varieties. Write for list and prices.

## PEACOCK DAHLIA FARMS

Williamstown Junction, N. J.

## Eugene Pitou, Jr. CIVIL ENGINEER and Landscape Architect.

Phone Barclay 6084—229 Broadway, New York  
Designs, Estimates, Construction of Grounds.

## Raspberry Plants

Kansas, Gregg, Cumberland, Cuthbert, Turner, Miller, Palmer,

25c per doz. by express; 35c per doz. by mail.

CHARLES C. NASH, Kalamazoo, Mich.

# Last Call

WE STILL HAVE A FEW THOUSAND

## Gladioli America Bulblets

at \$5.00 per 1000; \$20.00 for 5,000; \$35.00 for 10,000.

Send for samples, free.

## Send for Our Berry Catalogue

In it is a **CLIMBING BERRY FROM THE HIMALAYA MOUNTAINS** that is thorny like a rose, with no dead wood, but crops from the same wood for years. It throws its branch of bloom from the main cane, 18 inches long by 10 to 12 inches wide, with 50 to 100 shell pink blooms as large as a peach bloom. Later fruit. Canes grow 30 to 50 feet long. The berry has no core. The berry is sweet, of a port wine flavor.

Berrydale Experiment Gardens,

Route 1,  
Box 54,

Holland, Mich.

# BOBBINK & ATKINS

Nurserymen and Florists, RUTHERFORD, N. J.

## Choice Evergreens and Conifers, Shade and Ornamental Trees, Herbaceous Plants.

Large collection of **DECORATIVE PLANTS**, such as

Palms, Ferns, Bay Trees, Etc.

ASK FOR WHOLESALE CATALOG

## Deutzia Lemoinei

Is one of the choicest small shrubs, covered in the blossoming season with a profusion of pure white flowers. The tall varieties of Deutzia are also among the most beautiful flowering shrubs and should receive more attention from planters who aim to produce effective results.

A beautiful catalogue with many new illustrations will be mailed on request. It contains descriptions of these charming shrubs, also of the largest and most complete collections to be found in this country of

**Fruit and Ornamental Trees, Shrubs,  
Roses and Hardy Plants**

ELLWANGER & BARRY, Mount Hope Nurseries, Rochester, N. Y.

## "FLOWER OF FAIRFIELD"

The "Everblooming Crimson Rambler." The Best Climbing Rose in the market, flowering during the whole summer in large clusters of finest crimson color.  
Price for first rate plants with 3 to 6 shoots, open ground grown, \$11.00 per 100 \$103.00 per 1000. Extra strong plants, from 5 and more branches, at \$15.00 per 100. Package free, cash with order only.

**Schultheis Bros.,** The "Old" Rose Gardens, at STEINFURTH, near Bad-Nauheim, GERMANY.

## STOCK FOR FLORISTS

ROSES for Forcing—Hybrid Perpetuals and Ramblers, all the best ones; fine, strong stuff.

Clematis, Ampelopsis, Tree Hydrangeas and Lilacs,  
Shrubs, Vines and Perennials. Write for prices.

PALMS—Kentias in 2½-inch pots, \$8.00 per 100; \$75.00 per 1000.

**JACKSON & PERKINS CO.,** Newark (near Rochester), New York  
Nurserymen and Florists. Wholesale only. Use printed stationery.



# The Ideal Red Carnation

# O. P. BASSETT

**I**F you want to improve your bench earning capacity, the O. P. Bassett will do the work. It has paid the best of any carnation this season. Prices, **\$6.00 per 100** or **\$50.00 per 1000**.

We also have for sale **White Killarney rooted cuttings**, price per 100, \$5.00; 2½-in. pots \$8.00.

We have a national reputation for the quality of our young plants and our method of handling and packing them. Write us for any further information.

**Buy Direct From the Originators.**

## Bassett & Washburn,

Office and Store, 76 Wabash Ave., Chicago. Greenhouses, Hinsdale, Ill.

## Wanted to Buy

50,000 plants of **Asparagus Plumosus**, out of 2 or 3-in pots for planting out. Send samples and bid for whole or any part of above to

**WALTER ARMACOST, Ocean Park, Cal.**

Davenport, Ia.

Business during Lent, up to the present, has been very satisfactory owing to the large amount of funeral work, with enough stock on hand of good quality to meet all demands. The sale of bulb stock this winter has been very discouraging and in consequence a great many of the boys will cut down their orders for next season. Business prospects for Easter are very bright, with enough stock in sight to meet the demand. Easter lilies were somewhat backward, but with the present bright warm weather they are all coming fine.

The March meeting of the Tri-City Florists' Club was held on the evening of March 3 at the home of Henry Pauli and was well attended. The subject for the evening's discussion was "New Varieties of Carnations and Roses and the Care of the Same." The committee on the annual banquet reported everything in readiness for the grand event, which will be on a larger and finer scale than ever before attempted. The beautiful club house will be given over to the use of the florists for that night only, and after the banquet a ball will take up the remainder of the evening. The annual election of the club took place and the following officers were elected: Otto Boehm, president; Henry Pauli, Henry Gaethje and Henry Staack, vice-presidents; Wm. Knees, treasurer; John Temple, sec-

## Carnations

**ROOTED CUTTINGS**

|                                                 | Per 100 | Per 1000 |
|-------------------------------------------------|---------|----------|
| Mrs. C. W. Ward .....                           | \$12 00 | \$100 00 |
| Alma Ward .....                                 | 15 00   | 125 00   |
| Mrs. J. C. Vaughan, Bay State and Georgia ..... | 6 00    | 50 00    |
| Robert Craig, Afterglow and Harlowarden .....   | 3 50    | 30 00    |

**New Crop Early Flowering Single Chrysanthemum Seed**  
and **Gold Medal Pentstemons**

at 25c and \$1.00 per package.

**CHARLES H. TOTTY, Madison, N. J.**

retary; Theo. Ewoldt, financial secretary; Harry Bills, A. Anderson and Ludwig Stapp, trustees. The newly elected officers gave several interesting talks and a fine supper was served. An invitation to meet with Henry Gaethje was accepted and the next meeting will take place at his home April 14.

### NOTES.

John Temple is out making stump speeches these days. Uncle is running for park commissioner on the republican ticket and every member of the Florists' Club wishes him elected.

Henry Pauli will build three modern houses this spring each 27x105 feet to take the place of several he will tear down.

Ed. Patton has resigned his position as grower for Miss Woltmann and has accepted a position with Ludwig Stapp.

Ludwig Stapp is busy building a fine large brick boiler shed and two rose houses 27x300 feet.

## Neph. Whitmani

2¼-in ..... 5.00 per 100  
**MAGNIFICA** (new), 2¼-in... 25.00 per 100

**Boston Ferns** 2¼-inch,  
\$3.00 per 100.

Henry H. Barrows & Son, Whitman, Mass

## WANTED

Orders for high grade stock of **Roses Cannas, Dahlias, Ferns, Ficus, Asparagus**  
See classified department for prices.

**Wagner Park Conservatories, Sidney, O.**

Harry Bills will tear down several of his greenhouses and replace them with modern ones.

Wm. Goss of Bettendorf intends to add at least one house to his place this summer.  
T. E.



# Vaughan's Special Offer

We extend you a cordial invitation to visit our Greenhouses and Nurseries, where you can see for yourself our immense stock of Palms, Araucarias, Ferns and other Decorative plants. Western Springs is one-half hour ride from Chicago on the C., B. & Q. R. R. Call at our City Store and get ticket.

## Plants in Bloom for Easter

| ROSES                           |                  |
|---------------------------------|------------------|
| Each                            | Doz.             |
| Lady Gay, 6, 7 and 8 in. pots   | \$0 75 to \$5 00 |
| Crimson Rambler, 5-6 in. pots   | 50 to 1 50       |
| Crimson Baby Rambler, 4-in pots | 25               |

| Each                                   | Doz.          |
|----------------------------------------|---------------|
| Genista Racemosa, 4-in. pots           | \$0 30 \$3 25 |
| 6-in pots                              | 75 8 00       |
| Marguerite Queen Alexandra, 4-in. pots | 25 2 50       |
| Spirea Japonica, 6-in                  | 25 2 50       |

## PELARGONIUMS

| We have extra strong fine plants. |       | Per 100 |
|-----------------------------------|-------|---------|
| 2½ in. pots                       | ..... | \$10 00 |
| 3-in. pots                        | ..... | 12 00   |
| See catalogue.                    |       |         |

See catalogue.

## BOSTON FERNS

|            | Each   | Doz.    | 100     |
|------------|--------|---------|---------|
| 3-in. pots | \$0 15 | \$ 1 25 | \$ 8 00 |
| 4-in. pots | 25     | 2 50    | 20 00   |
| 5-in. pots | 40     | 4 50    | 35 00   |
| 6-in. pots | 75     | 8 00    | 60 00   |
| 7 in. pots | 1 00   | 10 00   | 75 00   |
| 8-in. pots | 1 25   | 14 00   | 100 00  |

We have a fine lot of Palms in all sizes. See catalogue.

## ASPARAGUS

|                            | 100     | 1000    |
|----------------------------|---------|---------|
| Asp. Sprengeri, 2½ in.     | \$ 3 00 | \$25 00 |
| 3 in.                      | 5 00    | 45 00   |
| 4 in.                      | 10 00   |         |
| Asp. Plumosus Nanus, 2 in. | 3 00    | 25 00   |
| 2½ in.                     | 4 00    | 35 00   |

| Doz.                           | 100    |
|--------------------------------|--------|
| Bush Box Trees, 15-18 in. high | \$4 00 |
| 20-24 in. high                 | 8 00   |

|                              | 1000 | \$20 00 | 3 00 |
|------------------------------|------|---------|------|
| Smilax, extra strong, 2½ in. |      |         |      |

## CROTONS

We offer a choice collection of fancy sorts, well colored.

| Each       | Doz.          |
|------------|---------------|
| 3-in. pots | \$0 20 \$2 00 |
| 4-in. pots | 35 3 50       |
| 5-in. pots | 50 6 00       |
| 6-in. pots | 1 00 10 00    |

|                                |             |
|--------------------------------|-------------|
| <b>Aspidistra, variegated,</b> | <b>Each</b> |
| 5-in. pots, 6-8 leaves .....   | \$1 00      |
| 6-in. pots, 10-12 leaves ..... | 1 50        |
| 7-in. pots, 18-20 leaves ..... | 2 00        |

|                                |      |
|--------------------------------|------|
| 5-in. pots, 6-8 leaves .....   | 75   |
| 6-in. pots, 10-12 leaves ..... | 1 00 |
| 7-in. pots, 18-20 leaves ..... | 1 50 |

|                                          |             |
|------------------------------------------|-------------|
| 7 in. pots, 10 to 20 leaves .....        | 1 50        |
| <b>Aralia Elegantissima, fine stock.</b> | <b>Each</b> |
| 5-inch.....                              | \$1 00      |
| 6-inch.....                              | 1 50        |

| Each                                     | Doz.       |
|------------------------------------------|------------|
| Aucuba, Japonica variegated, 18 in. high | 55 5 00    |
| 24 to 30-in. high                        | 1 50 15 00 |

| Each                               | Doz.       |
|------------------------------------|------------|
| Aucuba, Japonica type, 18-in. high | 1 00 10 00 |

SPRING "BOOK FOR FLORISTS!" ASK FOR IT.

# VAUGHAN'S SEED STORE,

NEW YORK. All Plants f. o. b. Western Springs, Ill. CHICAGO.

Don't Get Left --- Last Call On Rooted Cuttings, April Delivery

You still have one opportunity to get a stock of rooted cuttings of our splendid new Carnation Dorothy Gordon, for fall and winter trade. Early orders took our entire stock during February and March, but we offer a limited quantity of fine rooted cuttings for April delivery—which, from past experience, however, won't last long. Meanwhile our

# Carnation Dorothy Gordon

has added to its laurels: At the Toronto show, just closed, a gold medal was awarded to this splendid carnation when exhibited in competition with others. Carnation Dorothy Gordon is a winner—a winner of prizes and a winner of profits, as our customers are learning. Some of its merits are: strong constitution—absolutely free from disease; wonderful productiveness—50% more flowers than Enchantress; good color—clear uniform pink; splendid form and keeping qualities—flowers last four and six days after cutting; and enormous size—averaging three inches in diameter. We know of no other variety possessing all these strong qualities. Order NOW some of the splendid stock we offer for April. Prices remain the same—\$10.00 per 100; \$75.00 per 1000—and you'll find long before the season is over, that it was the best investment you made this year. If you want to investigate first, come to see us, or write for particulars—but don't delay, for the stock won't last.

JOSEPH HEACOCK COMPANY, Disseminators, Wyncote, Pa.

## White Killarney, My Maryland, Pink Killarney.

Rooted cuttings and 2½ in. plants. Booking orders now for future deliveries. The Right Place—The Right Goods—The Right Price—Come and See Them Grow.

|                   | R.  | C.   | 2½-inch |
|-------------------|-----|------|---------|
| White Killarney   | 100 | 1000 | 100     |
| Pink Killarney    | 100 | 1000 | 100     |
| My Maryland       | 100 | 1000 | 100     |
| Richmond          | 100 | 1000 | 100     |
| Brides            | 100 | 1000 | 100     |
| American Beauties | 100 | 1000 | 100     |

3½ in. sizes will be offered, when ready, at 40% increase over 2½ in.

You cannot afford to buy poor stock at 50% less.

CHRYSANTHEMUMS, Rooted Cuttings and 2½ in. Good commercial varieties. Price lists will be mailed on request.

Poehlmann Bros. Co., Morton Grove, Ill.

Morristown, N. J.

The preliminary schedule of the Morris County Gardeners' and Florists' Society's fifteenth annual flower show, to be held in conjunction with the Chrysanthemum Society of America, November 2-4, 1910, has been mailed and anyone who has not received a copy, but is desirous of doing so, should write at once to Secretary Edward Reagan, Box 334, Morristown, N. J., and secure it. The schedule lists prizes amounting to \$2,500, including a sweepstake cup valued at \$150. The prizes in the cut bloom classes are good and there are a great many specials which will doubtless be added to considerably before the show.

# EASTER PLANTS

|                                                                                                                                          |                                                                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>AZALEAS</b> , 5½ to 8-in. pots, from 75c. to \$5.00 each; larger plants from \$6.00 to \$10.00 each; Pyramids, \$4.00 to \$5.00 each. | <b>LILY OF THE VALLEY</b> , in 5-in. pots, 35c. each; 6-in. pans, 50c. each; 7-in. pans, 75c. each, and 8 in. pans, \$1.00 each.                                                            |
| <b>LILIES</b> , \$12.00 per 100 buds; \$120.00 per 1000. \$550.00 per 5000.                                                              | <b>DWARF ROSES</b> , Baby Dorothy, Baby Ramblers, \$6.00, \$9.00 and \$12.00 a doz.                                                                                                         |
| <b>LILACS</b> , White and Blue, 8 and 9-in. pots \$1.50, \$2.00, \$2.50 and \$3.00 each.                                                 | <b>ROSE</b> , Mme. Cutbush, Enchantress pink, large plants 6½ and 7-in. pots \$12.00, \$15.00 and \$18.00 a doz.                                                                            |
| <b>SPIREA</b> , Gladstone, White, \$6.00, \$9.00 and \$12.00 a doz.                                                                      | <b>Large showy plants of Dorothy Perkins</b> , shell pink, 6½ to 9-in. pots, \$1.50 to \$7.00 each.                                                                                         |
| <b>Queen Alexandra</b> , Pink, 75c., \$1.00 and \$1.25 each.                                                                             | <b>Star-Flowered Rambler</b> , single, large trusses, outside petals light pink; center white, 6½ in. pots, \$1.50 and \$2.00 each; large plants in 7 to 9 in. pots, \$3.00 to \$7.00 each. |
| <b>HYACINTHS</b> , Single, pots \$2.00 per doz. Only extra selected bulbs grown.                                                         | <b>Everblooming Crimson Rambler</b> (Flower of Fairheid), Brilliant red color, 6½, 7, 8 and 9-in. pots, \$2.00 to \$3.00 each.                                                              |
| <b>Miniature</b> , 6, 7 and 8-in. pans 35c., 50c., 75c. and \$1.00 a pan.                                                                |                                                                                                                                                                                             |
| <b>TRUMPET NARCISSUS</b> , 35c., 50c., 75c. and \$1.00 a pan.                                                                            |                                                                                                                                                                                             |

All the foregoing Roses are timed for Easter and are perfectly budded.

With shipping orders, please add to the amount of bill 75c. for each ten dollars' worth of goods, to cover the expense of cases and packing. For other varieties of foliage and Easter plants, write for price lists.

**ANTON SCHULTHEIS**  
316 19th Street, COLLEGE POINT, L. I., N. Y.

Mention the American Florist when writing



## Toronto.

## TRADE GOOD.

The general tone of business is good; the usual dull period during Lent has not been very noticeable and, even at this early date, the outlook for a big Easter is very promising. Excepting in American Beauties, of which there are very few good ones to be had, there is a plentiful supply of all varieties of roses and of excellent quality. During the past week the weather conditions have been ideal and stock has greatly improved as a result. Carnations are both plentiful and good, bulbous stock in unlimited quantities and flowering plants plentiful enough to give the stores a decorated appearance.

## NOTES.

At the executive meeting at St. Catharines of the Canadian Horticultural Association the coming week the existing duty on plants will be an important question. There is a feeling prevalent among growers that they do not know what they really do want. In speaking to some of the largest palm growers they are quite satisfied with the existing duty and want it to remain. It was only a few years ago that the duty was put on and local grown stock has not as yet had time to grow large enough to compete with the imported stock. It would therefore seem better not to remove the duty until they are in a position to know where the advantage lies.

P. J. Fogarty & Sons have a fine lot of shamrock for March 17. As this is their national flower, they are always proud to have as good stock as can be found on the market.

Grobba & Wandrey have been busy with decorations for the spring openings for the department stores; the displays in flowers are getting more elaborate each year.

Local men who have been making the rounds claim they have never seen stock look in better shape for Easter and that lilies will be very plentiful.

Jos. Boston has found the automobile so useful that he is getting a more up-to-date model for his business.

Frank Smith, formerly at Dunlop's retail store, is now located with the Connan Floral Co., of Hamilton.

Geo. Abbs has a house of sweet peas from which he is cutting excellent blooms. H. G. D.

## Nashville.

The Nashville Seed Co., of which J. J. Odel is manager, has filed a petition in bankruptcy in the United States district court. The liabilities are \$7,297.79; and assets, \$5,245.20. A majority of the creditors are non-residents.

L. Haury & Son, Arnold Schmidt, the Mount Olivet Conservatories, the Belmont Conservatories and the Lischee Greenhouses were all represented in the market on Saturday.

Geny Bros. have had almost a glut of California violets the past week. They have also had fine sweet peas. The lavender pea has been very popular and quite plentiful.

With the thermometer climbing to 80°, and spring in the air the desire to possess a sweet smelling flower has taken possession of the public generally.

McIntyre Bros. were showing a very pretty lot of pot plants and cut flowers, noticeably violets. Their violets have done well this season.

M. C. D.

WAYNESBORO, PA.—Henry Eichholz has received a shipment of English carnations for trial. His Carnation Alvina, is reported a success in that country.

## Headquarters for

## EASTER PLANTS

Prepare for Easter. From Whom Will We Purchase Our Easter Supplies?  
An Immense Stock of Choice Easter Plants Now Ready for Immediate Shipment.  
Blooming Easter Week or Before if Desired.

**Azalea Indica.** Don't be bluffed. Be careful, consider what you buy, and from whom you buy. We are the people in Azaleas. Have the real thing. Why? We make a specialty of importing Azaleas. Have sufficient capital to buy for cash in Belgium. Therefore we get the Cream of Belgium production. Full of buds and foliage, a picture of health.

## AZALEA INDICA

We are headquarters for these plants for the past twenty-five years. We make a specialty of importing large quantities of this so well known favorite Easter novelty. Grown for us in Ghent, Belgium by an Azalea specialist. Have now three houses full of the choicest. Only well known American varieties are imported. They are planted in the fall, as soon as they arrive from Belgium, into 6, 7 and 8 in. pots placed in greenhouses and kept cool during winter. They are now in excellent condition, covered with buds, just right for Easter.

Please bear in mind facts mostly unknown to some Azalea growers that fully 30 to 40 per cent of the newly imported Azaleas in dormant state will lose their buds and foliage during the long transportation of the sea voyage and during winter up to Feb. 1 and have to be kept over for another year.

We only ship good stock and full of buds and flowers, and therefore you can't expect Azaleas at this time to be as big and as cheap as if you would buy them in dormant state in the fall.

What is the name of the best double pink Azalea? Mme. Van der Cruyssen is the name. Originated by the well known Azalea specialist Mr. Van der Cruyssen of Belgium. Millions are raised every year and shipped into every part of the globe from Belgium. We have a big stock on hand of this well known variety. Every plant is as round as an apple, covered with buds, just right for Easter. Have all sizes, 75c. \$1.00. \$1.25. \$1.50. \$1.75 to \$2.00 each.

In large sizes we have the following varieties, full of buds: Bernard Andreas Alba, pure white; Niobe, double white; Helena Thielmann, pur light pink, very fine; Souv. Memoire de Van Houtte, very large flowers, double pink; Empress d'Indes, large flowering, double variegated; Dr. Moore, double pink; Mme. Van der Cruyssen, best of all the pink; Apollo, red; De Schryveriana, double, large, variegated. Price, \$1.50, \$2.00, \$2.50 to \$3.00.

In smaller sizes we have the following varieties, full of buds: Mme. Van der Cruyssen pink; Deutsche Perle, pure double white; Vervaneana, double variegated, one of the old standard varieties; Apollo, red; Simon Mardner, double pink; De Schryveriana, large double variegated; Empress d'Indes, double variegated; Niobe, double white. Price, 60c, 75c, \$1.00, \$1.25 to \$1.50. Professor Wolters a well known variegated bright variety, at \$1.00, \$1.25 to \$1.50.

When we are out of one color we send the next similar color; also if we are out of the size ordered, we send the next size, either above or below the price mentioned.

**Moonvines** (*Ipomæa Multiflora*), best white Moonvine, for which we have a world-wide reputation now ready, 2 1/2 in. pots, \$5.00 per 100.

**Begonia New Improved Erfordi**, 5-in., \$2.00 per doz.; **Begonia Flambeau**, 5-in., \$2.00 per doz.

**Spiræa Gladstone**. This variety, owing to the dry summer in Holland last year, is very scarce this Easter, but we were fortunate enough to secure sufficient to fill our usual house, and the plants are now in fine condition, full of buds, just right for Easter. 6-7 in. pots, 75c to \$1.00 each.

**Primula Obconica**, 5 in. pots. \$2.00 to \$2.50 per doz.

**Double Daffodils**, Von Sion best yellow, 3 double-nosed bulbs in a 6 in. pot, \$2.50 per doz. pots.

**Tulips**, Murillo (double pink) 3 bulbs planted in a 4 in. pot, \$2.00 per doz. pots. **Tournesol Tulips** (double variegated), 3 bulbs in a 4 in. pot, \$1.50 per doz. pots; ready in bloom for Easter.

**Hydrangea Otaksa**, already forced into buds, just right for Easter, 6-7 in. pots, 35c, 50c, 75c, \$1.00 to \$1.50 each.

**Kentia Forsteriana**, 6-7 in. pots, 35 40 50 in. high, perfect leaves, \$1.25 \$1.50 \$2.50 to \$3.00; 4 in., 20c. **Kentia Beilmorana**, 6 in., large stock, \$1.25 to \$1.50; 4 in., 20c to 25c; 3 in., 10c.

**Ficus Elastica** (Rubber), 5 1/2 to 6 in. pots. 25c to 30c.

**Areca Lutescens**, 5 in. pots, three plants in a pot, 35c.

**Whitmani Ferns**, 7 in., 75c to \$1.00.

**Neph. Amerpohli**, 5 1/2, 5 1/2 to 6 in. pots, 30c, 40c and 50c; 6 in., 60c to 75c.

**Cocos Weddelliana**, 3 in., 15c.

**Ferns for Dishes**, \$3.00 per 100.



If you would know the fairest sight your eyes can ever see,

Where the most perfect plants are grown, to Aschmann's come with me.

Why! Ne'er since flowers began to bloom was such a glorious show

Of all the best that florists need found in one place to grow.

The lilies are the very best yet seen on Easter day, Azaleas are whole sheets of flowers, perfect in every way.

The Araucarias matchless are, so are the ferns, all green.

With bulbs and plumed Spiræa, the best you've ever seen.

And Aschmann gives a challenge, let every florist hear.

For flowers or prices, either, no rival does he fear.

If you wish to gather dollars, like violets in the spring,

Then send your largest order, his plants the cash will bring.

## Easter Lilies.

Have Lilies to Burn in good shape.

**Lilium Multiflorum**, the genuine Japanese Easter Lily, directly imported by us. We have a friend in Japan who looks after our interests there. He picks out for us only the good, healthy ones, and marks them while they are growing, the 10-in. bulbs, and therefore he ships us the cream of the plants of Japan. We have Lilies this year to burn; can supply, if nothing happens, every customer and others who want Lilies. 9 to 10 in. bulbs of Lilies were difficult to get from Japan last fall, but we were one of the fortunate ones to receive all the 9-10 in. Lilies (5,000) ordered last spring, 1909, from our grower in Japan. If you see them growing in our greenhouses, you must all admit they are "cracker-jacks"; we sell them cheap, too. Where other florists get 15c per bud, we only charge you 10c per bud for plants in 6 in. pots, having 5, 8, 10 and more buds to the plant. Plants under 5 buds, 12c per bud, 6 in. pots.

When ordering lilies a reasonable amount of other plants should be taken. We do not solicit orders for lilies alone.

**Hyacinths**, 4 best colors, King of the Blues, Grand Maitre (light blue) La Grandesse (best white), Gertrude (best pink), 4 in. pots, \$12.00 per 100.

**Asparagus Plumosus Nanus**, 3 in., \$5.00 per 100 2 1/2 in. 3c; 4 in. 10c. **Asparagus Sprengeri**, 3 in., large plants 7c; 4 in., 10c.

**Cineraria Hyb. Grandiflora**, H.F. Michell's new improved strain. Our plants of this strain are twice the size of those of other years, with perfect, large, green foliage. Some of the plants are almost as large as a bushel basket. 6 in. pots, 25c, 35c, 50c, 75c to \$1.00 each.

Have an Immense Stock of Easter Plants.

This is our catalogue.

Please state if in or out of pots. All goods must travel at purchaser's risk only. Cash with order, please. No references will be investigated.

**GODFREY ASCHMANN**, 1012  
W. Ontario St., Philadelphia, Pa.

Importer, Wholesale Grower and Shipper of Pot Plants.



# PALMS

## Extra Good Values in Palms For Easter....

Stock in Perfect Condition.

### KENTIA BELMOREANA.

|                                                |        |
|------------------------------------------------|--------|
| 6-in. pots, 6 leaves, 20-24 in. high.....      | \$1 00 |
| 7-in. pots, 6 to 7 leaves, 24-26 in. high..... | 1 50   |
| 7-in. pots, 6 to 7 leaves, 26-28 in. high..... | 2 00   |
| 8-in. pots, 6 to 7 leaves, 32-34 in. high..... | 2 50   |
| 8-in. pots, 6 to 7 leaves, 34-38 in. high..... | 3 50   |

### KENTIA FORSTERIANA.

|                                                |        |
|------------------------------------------------|--------|
| 6-in. pots, 6 leaves, 34-36 in. high.....      | \$1 50 |
| 7-in. pots, 6 to 7 leaves, 36-40 in. high..... | 2 50   |
| 8-in. pots, 6 to 7 leaves, 40-44 in. high..... | 3 50   |
| 8-in. pots, 6 to 7 leaves, 44-48 in. high..... | 4 50   |
| 10-in. pots, 6 to 7 leaves, 51½ ft. high.....  | 8 00   |

### Made-up Kentia Forsteriana.

Strong, bushy plants, 3 plants to a tub.

|                                          |        |
|------------------------------------------|--------|
| 7-in. tubs, 40-44 in. high.....          | \$4 00 |
| 8-in. tubs, 44-48 in. high.....          | 5 00   |
| 10-in. tubs, 44-48 in. high (heavy)..... | 6 00   |
| 10-in. tubs, 48-52 in. high (heavy)..... | 7 00   |
| 10 in. tubs, 50-54 in. high (heavy)..... | 8 00   |

### PHOENIX ROEBELENI.

5-in. pot plants, nicely characterized.....\$1 00 each; \$10 00 per dozen



**THE STORRS & HARRISON CO., Painesville, O.**

#### Solanum Wendlandi in Small Pots.

As long ago as 1882 *Solanum Wendlandi* first reached this country (England) according to Gardening Illustrated, a plant having been sent by Director Wendland of the famous Botanic gardens at Herrenhausen to Kew, where it soon attracted attention by reason of the great beauty of its inflorescence. It was first treated as a stove climber, and in the tropical water lily house, and afterwards in the warmer portion of the succulent house it formed a magnificent summer feature. Then it was tried with success in the Mexican portion of the temperate house, and in the greenhouse No. 4, where it has this season been remarkably fine.

This solanum was sent to Kew with the information that it came from the colder regions of Costa Rica, where it climbs upon trees. Such being the case, it is no surprise to learn that it will thrive in a greenhouse—indeed, it has proved to be hardy, or nearly so, in some parts of the favored southwest, and has also flowered outdoors during the summer in other places. As usually grown, it has proved to be so vigorous a climber that a large structure is necessary to its well doing, but within the last few years dwarf-flowering examples have been shown at the different summer exhibitions. A particularly fine exhibit was that put up by W. J. Godfrey, of Exmouth, at the last Holland Park show.

In order to obtain these dwarf flowering plants, cuttings should, towards the end of the summer, be formed of the points of the stout, well-ripened shoots such as would under normal conditions flower well next year. Although these small-flowering plants of *Solanum Wendlandi* are very beau-

## Mrs. C. W. Ward

Mrs. C. W. Ward is a perfectly formed flower, with full center; color, deep pink, several shades lighter than Lawson, deeper than Winsor; having strong, erect stems 24 to 36 inches in length. A vigorous, healthy grower, and has never shown disease of any kind.

Price, Rooted Cuttings:—\$2.00 per 12; \$12.00 per 100; \$100.00 per 1000; 25 at the 100 rate; 250 at the 1000 rate.

Plants from 2-inch pots, \$15.00 per 100.

ALMA WARD ALL SOLD.

## Cottage Gardens Co., Inc.

QUEENS, LONG ISLAND, N. Y.

tiful and extremely useful for grouping, one must not overlook the great decorative value of this plant for large and lofty structures. Other members of the solanum family that are most desirable as climbers are *Solanum jasminoides*, *S. Seaforthianum*, and *S. pensile*, with the rambling-growing *S. crispum*, which forms such an attractive wall plant in some of the warmer parts of the country.

NEW ORLEANS, LA.—Harry Papworth was at Pensacola, Fla., March 4, where they catch those 300-pound croupers. Harry is probably fixing up something for the Rochester convention.

#### Have All Kinds.

Shopwalker (at the "anything from a needle to an anchor" sort of establishment)—"What can I do for you, madam?"

Lady—"I want to see some Brussels—"

Shopwalker (energetically)—"Yes, madam, carpets or sprouts?"

#### Studies in Still Life.

"I want a few colored illustrations of beets and tomatoes."

"Life size?" inquired the artist.

"Catalogue size," replied the seedsman, with a significant smile.—Louisville Courier-Journal.



**Rooted Carnation Cuttings**

For Immediate Delivery.

**ENCHANTRESS, PERFECTION, BEACON**, \$3.00 per 100; \$25.00 per 1000.**ROSE PINK and WHITE ENCHANTRESS, WINSOR**, \$2.50 per 100; \$20.00 per 1000.

We can fill orders from 1000 to 100,000 and guarantee the stock.

**J. D. THOMPSON CARNATION CO., JOLIET, ILL.****FUCHSIAS**There are none better than **Little Beauty** Lord Byron, Renan and White Beauty. Strong 2½ inch plants ready \$4.00 per 100 New Heliotrope. Miss Bernice a sport of Mme. Brunt and a great improvement on the latter 2½-inch \$8.00 per 100.Catalog for the Asking.  
**SKIDELSKY & IRWIN CO.,**  
1215 Betz Bldg.,  
**PHILADELPHIA, PA.****PRIMULA OBCONICA.**In full bloom, \$12 to \$50 per 100.  
Mum cuttings 75 varieties.....\$15 per 1000  
Also Smilax and Geraniums.  
For further particulars please write.  
EHMANN'S, The Place for Quality.**WILLIAM J. EHMANN, Jr.,**  
CORFU, N. Y.

Cleveland.

**TRADE PICKING UP.**

Business has picked up since the beginning of the month, we having had some very springlike weather for nearly a week. Carnations, although lower in price, have cleaned up the last few days for the first time since the glut commenced. Everybody is looking forward to the Easter business and already inquiries regarding stock for this day are coming in. The outlook for Easter lilies does not seem any too promising; of other flowers we hope there will be enough for all demands. Callas are a drug on the market and cannot be sold at any price. All other stock seems to be in sufficient quantity to meet all demands and is of excellent quality.

**NOTES.**

Frank M. Smith of Smith & Fetters has returned from a two months' trip through New Mexico, Texas, California and the city of Mexico. He reports having had an excellent and very enjoyable time and, to say the least, looks the part, for his health has greatly improved. He also reports having met more people engaged in the florist business than ever before on any of his trips.

The Bertermann Bros. Co. of Indianapolis, Ind., sent to Smith & Fetters a fine vase of the new yellow carnation James Whitcomb Riley, and this has been on exhibition in their show window for the past few days, where it has caused a great deal of comment among the flower buying public and growers who have chanced to see it.

The Newburgh florists who lost their savings in the bank failure recently have not heard as yet how they will come out. Most of them have a good crop of cut flowers and plants coming in for the Easter trade which will help them some.

The Higbee Co. will open its new store on Euclid Avenue March 14 and, as usual, a quantity of cut flowers,

# Mary Tolman

Deep flesh that does not fade in the strongest light; clean grower; rigid stem; perfectly formed flowers; good producer.

Cuttings ready now, \$12.00 per 100; \$100.00 per 1000. Guaranteed in every way.

**CHICAGO CARNATION CO., Joliet, Ill.****A. E. HUNT & CO., Evanston, Ill. HUNT BROS., Park Ridge, Ill.**

# CONQUEST

Light pink overlaid with deep rose. The most valuable and attractive carnation on the market. Very free; long stiff stems; large well built flowers. It pays to grow this variety.

Winner of First prize wherever shown.

Rooted Cuttings Guaranteed

Ready now, \$12.00 per 100; \$100.00 per 1000.

**Chicago Carnation Co., A. T. PYFER, Joliet, Ill.**  
Manager.

# Sangamo

**Brilliant  
Glistening  
Pink.****Winner Wherever Shown.**

The most prolific and fastest growing carnation of any; very clean, upright grower, long stiff stems; **never splits**; flowers nicely fringed and well rounded out. It is not too late to get cuttings of Sangamo, the most prolific carnation grown. Our best plants we propagated in March last year. Prompt delivery; Cuttings guaranteed.

\$12.00 per 100; \$100.00 per 1000.

**A. C. BROWN,**  
Springfield, Ill.**CHICAGO CARNATION CO.**  
Joliet, Ill.**JUANITA, (Wah-nee-ta)** A grand scarlet Carnation, with about a 3½-inch flower, well built up with a two foot stem.

**Its Strong Points Are:** Abundance of large, high grade flowers at all times; stem very stiff with good habit in every way, keeping qualities are wonderful; burst blooms are rare. We have grown it 6 years and will still grow as many as we have now. We have **never over propagated** it, so its vitality is not impaired. Cuttings will be taken from flower stems which are the best. The color is so bright and rich it takes with every one. We have a very large stock. **Price:** Rooted cuttings \$8.00 per 100; \$60.00 per 1000. Special price in large lots. Unrooted stock half price. A discount of 5% for cash.

**THE FILLOW FLOWER COMPANY,**

Westport, Conn.

# Cannas

King Humbert. Alphonse Bouvier,  
Chas. Henderson. Mlle. Berat,  
Ex. Crampbell. Florence Vaughan,  
Mad. Crozy. Souv. de Antoine Crozy.  
Write for special prices, stating quantity wanted.

**FRESH TOBACCO STEMS.**

Bale of 300 lbs., \$1.75; ton \$9.00.

**W. C. BECKERT, Seedsman,**  
103 Federal St., N.S., PITTSBURG, PA.

plants and designs of all kinds will go to make up the decorations.

J. A. Smith, 8025 Wade Park avenue, reports a good run of business; he has had his share of work at the openings this season.

C. B. Wilhelmy, 3610 West Twenty-fifth street, has been busy with south-

# Ferns for Dishes...

Assorted varieties, 2¼-in. pots, \$3.50 per 100; \$30.00 per 1000. Cash with order.

**FRANK OECHSLIN**  
4911 Quincy St. CHICAGO.**Rooted Cuttings**

|                                                                  |                                |
|------------------------------------------------------------------|--------------------------------|
| <b>Verbenas</b> , choice varieties, 70c per 100, \$6.00 per 1000 |                                |
| Per 100 1000                                                     | Per 100 1000                   |
| <b>Heliotropes</b> \$1.00 \$8.00                                 | <b>Petunias</b> \$1.25 \$10.00 |
| <b>Daisies</b> , white                                           | <b>Salvias</b> \$1.00 8.00     |
| and yellow 1.00                                                  | <b>Alyssum</b> .60 .80         |
| <b>Coleus</b> .70 6.00                                           | <b>Ageratum</b> .60 5.00       |
| Express paid.                                                    | Cash with orders.              |

**S. D. BRANT,** Clay Center, Kans.

ern smilax decorations in the downtown stores.

Knoble Bros. held a carnation sale Saturday and Sunday the past week. Carnations, 30 cents per dozen.

C. B.



## Verbenas for Everybody....



Of varieties that ever grew 70c per 100; \$5.00 per 1000.

Mums, the good kind, \$1.25 per 100; \$10.00 per 1000.

Daisies, white and yellow, \$1.00 per 100; \$8.00 per 1000. Our big double Giant

Alyssum, 80c per 100 \$7.00 per 1000.

Feverfew, \$1.25 per 100; \$10.00 per 1000. We prepay express charges on all rooted cuttings and guarantee satisfaction.

Enchantress Carnations, R. C. very strong, \$2.25 per 100; \$20.00 per 1000.

C. HUMFELD, The Rooted Cutting Specialist, CLAY CENTER, KANS.

## DBLE. PETUNIA

2-in., \$2.00 per 100

Smilax, 2-in., \$1.25 per 100. Abutilons, 3 kinds, 2-inch, 2½c. Cuphea, 2-in., 1½c. Polnsettias, stock plants, 5c. Geraniums, Double Grant, Castellane, Buchner Gen. Grant 2-in., 2c. Coleus, 10 kinds, Ageratum, 3 kinds, \$1.50 per 100. Swainsonia alba, 2-in. 2c. Snapdragon, white and scarlet, 2-in. 2c.

## PRIMULA

Primula Obconica, 2-in., 2c; 4-in., in bud and bloom, 8c.

Rooted Cuttings, prepaid per 100. Heliotrope, \$1.00; Fuchsia, 8 kinds, \$1.00; Paris Daisy, yellow, white, \$1.00; Cuphea, 75c. Vinca Variegata, 90c; Coleus, 10 kinds 60c; Alternanthera, 3 kinds, 50c; Ageratum, 3 kinds 60c; Swainsonia alba, \$1.00; Dbl. Petunias, 10 kinds, \$1.00.

Cash with order.

BYER BROS., Chambersburg, Pa.

## Chrysanthemums.

All orders booked now for Early Delivery.

Write for Catalogue.

ELMER D. SMITH & CO.  
ADRIAN, MICH.

Mention the American Florist when writing

## Orchids..

We have changed our domicile from Secaucus, N. J., to Mamaroneck, N. Y. We are largest collectors and importers of Orchids and are now booking orders for all the commercial Cattleyas for delivery next spring

CARRILLO & BALDWIN, Mamaroneck, N. Y.

## BAY TREES.

Standards, Pyramids and Columns.

## ORCHIDS

DIRECT FROM THE WOODS Cattleya Trianae, C. Gigas and other commercial varieties.

JULIUS ROEHRS CO., Rutherford, N. J.

## Orchids



Arrived in fine condition: Cattleya Warnerii, C. Harrisonia, C. Gaskelliana and C. Gigas (Hardyana type); also Dendrobium Phalaenopsis Schroederianum and Odontoglossum luteo-purpureum.

Lager & Hurrell, Summit, N. J.

## CANNAS

F. O. B. New York or Chicago.

## For Immediate Delivery.

Some varieties are getting low and sold out. Order now and avoid disappointment.

We are the largest handlers of Cannas in the world. Our prices upon Cannas will bear comparison with any house in the Canna business. Stock unequalled.

## RED-FLOWERING CANNAS.

|                                  | 100.   | 1000.   |
|----------------------------------|--------|---------|
| Louisiana, 7 ft. ....            | \$1.75 | \$15.00 |
| A. Bouvier, 5 ft. ....           | 1.50   | 14.00   |
| Beaute Poitevine, 3½ ft. ....    | 2.00   | 17.50   |
| Black Prince, 3 to 4 ft. ....    | 2.25   | 20.00   |
| Chas. Henderson, 4 ft. ....      | 1.75   | 15.00   |
| J. D. Eisele, 5 ft. ....         | 1.75   | 15.00   |
| Exp. Crampbell, 5½ ft. ....      | 1.50   | 14.00   |
| Pres. McKinley, 2½ to 3 ft. .... | 1.50   | 14.00   |

## RED, GOLD-EDGED AND SPOTTED SHADES.

|                                |      |       |
|--------------------------------|------|-------|
| Gladiator, 4 ft. ....          | 2.75 | 25.00 |
| Indiana, 3 to 4 ft. ....       | 1.75 | 15.00 |
| Queen Charlotte, 3½ ft. ....   | 2.25 | 20.00 |
| Mad. Crozy, 5½ ft. ....        | 2.25 | 20.00 |
| S de A. Crozy, 4 to 5 ft. .... | 2.75 | 25.00 |

## PINK SHADES.

|                          |      |       |
|--------------------------|------|-------|
| Louise, 5 ft. ....       | 2.00 | 17.50 |
| Mlle. Berat, 4½ ft. .... | 1.75 | 15.00 |

## YELLOW SHADES.

|                              | 100  | 1000  |
|------------------------------|------|-------|
| Florence Vaughan, 5 ft. .... | 2.50 | 20.00 |
| L. E. Bailey, 4½ ft. ....    | 2.75 | 25.00 |
| Richard Wallace, 4½ ft. .... | 2.75 | 25.00 |

## WHITE AND CREAM SHADES.

|                     |      |       |
|---------------------|------|-------|
| Alsace, 3½ ft. .... | 1.75 | 15.00 |
|---------------------|------|-------|

## BRONZE-LEAVED FLOWERING CANNAS.

|                             |      |       |
|-----------------------------|------|-------|
| Brandywine, 4 to 5 ft. .... | 2.00 | 17.50 |
| Black Beauty, 5 ft. ....    | 2.75 | 25.00 |
| Egandale, 4 ft. ....        | 1.50 | 14.00 |
| King Humbert, 4 ft. ....    | 3.25 | 30.00 |
| Shenandoah, 6 ft. ....      | 1.75 | 15.00 |

## ORCHID-FLOWERING CANNAS.

|                             |      |       |
|-----------------------------|------|-------|
| Allemanina, 4 to 5 ft. .... | 1.75 | 16.00 |
| Austria, 5 ft. ....         | 1.25 | 12.00 |
| Italia, 4½ ft. ....         | 1.75 | 15.00 |
| Kronus, 5 ft. ....          | 1.75 | 15.00 |
| Mrs. Kate Gray, 6 ft. ....  | 1.75 | 15.00 |
| Pennsylvania, 5 ft. ....    | 1.75 | 15.00 |
| Wyoming, 7 ft. ....         | 2.75 | 25.00 |

STUDY THIS.—Our Cannas are true to name—2 and 3 sometimes 4 eyes—are sound dormant, and are packed 250 in a box; two can be "cleated" together and shipped as one. One box of 250 sold at 1000 rate; it is cheaper for you to buy a box than 200 at 100 rate. Write for special prices on large lots

Chicago and Western  
Agents For Our Cannas

WINTERSON'S SEED STORE,  
45-47-49 Wabash Ave.,  
Chicago, Ill.

Arthur T. Boddington,  
342 West 14th Street. Seedsman, NEW YORK.

## ORCHIDS

To Arrive in Six Weeks.

Absolutely fresh stock, f. o. b. New York.

Cattleyas, 15 varieties, 50,000 plants. Vandas, Phalaenopsis, 5 varieties.  
Dendrobiums, 10 varieties, 5,000 plants. Miltonias, Laelias, Oncidiums, etc.

Commercial Varieties in quantity. Write

G. L. FREEMAN CO., Successors to G. L. Freeman, Fall River, Mass.

## ORCHID PEAT, (Osmunda Fibre)

Finest quality, hand cleaned, free from sticks and dirt.

In chunks or handpicked ready for use.

Also Rotted and Azalea Peats, Leaf Mold, Live or Baled Sphagnum Moss.

Prices and samples on application.

C. W. BROWNELL & CO., WALDEN, N. Y.

## List OF 200 Roses

Bumper crops for spring delivery.

THE LEEDLE FLORAL COMPANY,  
SPRINGFIELD-OHIO.

## SHAMROCKS

We have 25,000 True Irish Shamrocks for your St. Patrick's Day trade in toy 1-in. pots at \$4.00 per 100; \$35.00 per 1000; 1½-in. pots at \$4.00 per 100; \$35.00 per 1000; 4-in. pans at \$12.50 per 100. Cash with order. Get in line now for some extra money on March 17th. LEONARD COUSINS, JR., Telephone connections. Concord Junction, Mass.



## Attention Buyers.

If in need of any of the following stock we will be pleased to quote Bargain prices:

Small **Kentia**, **Latania** or **Phoenix Palms**, 4 and 5-inch **Araucarias**, **Boston**, **Pieris**, **Elegantissima**, **Scottii**, **Amerpohli**, **Plumosus**, **Sprengeri**, or Small **Ferns** for dishes. Also all kinds of **Bedding Stock** in small sizes. Give us a trial on 3-inch **Chinese** and **obconica primroses** in bloom, Special, \$4.00 per 100.

**D. U. AUGSPURGER & SONS CO., Box 394**  
**PEORIA, ILL.**

## A FEW GOOD THINGS YOU WANT.

**Rex Begonia**, 2-in. \$5.00 per 100.  
**Asparagus Sprengeri**, 3-in. \$5.00 per 100  
**Geraniums**, Nutt. Doyle, Perkins, Grant, La Favorite, R. C. \$1.25; 2-in. pots, \$2.00; 3-in. \$4.00 per 100; **Viaud**, **Castellane**, **Poitevine**. **Jaulin**, **Ricard**, **Buchner**, R. C., \$1.50; 2-in. pots, \$2.50; 3-in. \$5.00 per 100; **Mme. Salleron** 2-in. \$3.00 per 100

**Asparagus Plumosus**, 2-in. \$3.00 per 100; 3-in. \$5.00 per 100. Cut fronds 25c per bunch.  
**Boston Ferns**, 5-in 25c each. **Whitman Ferns**. 4-in. 25c each

**Cycas Palms**, 4 to 5 leaves, \$1.00, \$1.50 and \$2.00. **Vinca Var.**, 2-in. \$2.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order

**GEO. M. EMMANS, Newton, N. J.**

**Boston.**

A QUIET WEEK.

The week as a whole has been rather quiet and the markets overstocked in many lines. There was considerable funeral work to help early in the week. Violets are coming in faster than they can be taken care of, but the favorable weather makes an outlet for the surplus through the street fakirs. Roses are fairly plentiful with the exception of the best quality; they are rather short. Medium and short grades are coming in freely. Beauties still remain scarce and prices hold up. Carnations are coming in rather strong and prices have broken a little. The several varieties of red seem to be especially plentiful and drag considerably. Valley is coming in strong with the demand off a little. Cattleyas and gardenia are plentiful enough to meet all demands. Yellow marguerites are coming a little more plentiful just now and of better quality. This is the one flower that is never quite as free in the winter as the store men would like; it is always a good seller and splendid keeper. The plant trade holds up well and the market offers some very attractive specimens, including lilacs, rhododendrons, acacias, genistas, heaths primulas, etc. The wholesale houses report the out-of-town trade as good but the local business as being a little quiet.

NOTES.

Norris Comley has charge of the decorations at the automobile show now going on. Mr. Comley has been most successful in former years in this line of work and while the present show is perhaps the greatest ever held here from the auto standpoint, the decorative effects are correspondingly fine.

The H. M. Robinson Co. is introducing several novelties in the line of green goods for the retailers' use. A visit to its stalls at the markets is quite instructive and one is surprised

## VAUGHAN'S LIST OF Dormant Stock

**Crimson Ramblers.**

|                                                         | Per doz. | Per 100 |
|---------------------------------------------------------|----------|---------|
| 2 years old. 2 to 3 feet, well branched, own roots..... | \$2.00   | \$15.00 |
| 2 years old. 2 to 3 feet, well branched, budded.....    | 2.00     | 15.00   |
| 3 years old. 3 to 5 feet, well branched, budded.....    | 3.00     | 18.00   |
| 4 inch pots.....                                        |          | 10.00   |

**Tausendschon.** Per doz. Per 100  
2-yr. old, dormant, grafted plants \$3.50 \$25.00

**Lady Gay.**

2-yr. old, dormant stock.....\$3.00 \$20.00

**White Baby Rambler.**

3-inch.....\$ .15  
4-inch......25 \$2.50 \$20.00

**Azalea Mollis**

|                    | Each   | Doz.   | 100     |
|--------------------|--------|--------|---------|
| 15 to 20 buds..... | \$0.50 | \$5.00 | \$40.00 |
| 40 to 50 buds..... | 1.00   | 10.00  |         |

**Baby Rambler.**

|                              | Per doz. | 100     | 1000     |
|------------------------------|----------|---------|----------|
| Dormant, field-grown.        |          |         |          |
| 1st size, selected, budded.  | \$2.50   | \$16.00 | \$150.00 |
| 3-years.....                 |          |         |          |
| 2nd size, selected, grafted. | 2.00     | 12.00   | 100.00   |
| 2-years.....                 |          |         |          |
| Pot-grown.                   |          |         |          |
| 2½-inch.....                 | .75      | 5.00    |          |
| 3-inch.....                  | 1.25     | 8.00    |          |
| 4-inch.....                  | 2.00     | 12.00   |          |

**Deutzia**

|                   | Each | Doz. | 100   |
|-------------------|------|------|-------|
| Lemoinei, 7-in. " | 25   | 2.50 | 20.00 |

All Plants F. O. B.  
Western Springs, Ill.

## Vaughan's Seed Store,

**84-86 Randolph St., CHICAGO. 25 Barclay St., NEW YORK,**

Greenhouses and Nurseries: Western Springs, Ill.

"Spring Book for Florists." Ask for it.

## Carnations

Ready now, **Victory**, \$1.50; **Lawson Enchantress**, \$2.00; **Bassett**, \$3.50; and **Fenn**, at \$1.00 per 100.  
Ready the latter part of April. **W. Perfection**, **R. Pink** and **Enchantress**, at \$1.50 per 100; **Lawson** and **Winsor**, at \$1.25 per 100.

## GERANIUMS

Ready early in April. Nutt. at \$10.00 per 1000; **Poitevine** and **Ricard**, at \$12.50 per 1000.

**PLUMOSUS.** Ready May 1st, at \$25.00 per 1000.  
**SPRENGERI.** Ready now. Special size, ready for 4-in. pots, at \$5.00 per 100; samples for 10c.

**ALBERT M. HERR,**

**Lancaster, Pa.**

## RUBBER PLANTS

5 and 6-inch pots, 18 to 24 inches high,  
\$3.00 per dozen.

**Strong Boston Ferns**

4-inch pots, \$1.50 per dozen.

**W. W. COLES,**

**Kokomo, Ind**

at the extensive variety of fine goods to be had in the green line.

James Wheeler, formerly gardener for Joseph White of Brookline, has purchased 30 acres of land fronting on Worcester street, Natick. He will immediately build a range of houses for the growing of carnations and miscellaneous pot plants.

There is a very lively interest among the retailers regarding the approaching St. Patrick's day. The demand for novelties is increasing every year and this year seems to run on artistic little green jardinières and small baskets filled with shamrock.

A. Montgomery, the well known rose grower of Natick, is confined to his home as the result of a recent shock. His condition is quite serious but his many friends hope to see him up and around again before long.

Estey Bros. are bringing in the first of their Roman anemones. This firm has made a specialty of anemones for several years, and has a good trade in them.

Wm. Nicholson is starting in again with a crop of giant mignonette. This flower is being appreciated more every

## A New Fern

## NEPHROLEPIS GIATRASH

Awarded a Certificate of Merit by the Horticultural Society of New York.

**Prices:** In 2½-inch pots, \$3.50 per dozen; \$25.00 per 100; \$200.00 per 1000. 25 plants at 100 rates; 500 plants at 1000 rates. Orders delivered in rotation as received. **Now Ready for delivery,**

**GEORGE GIATRASH,**  
**463 Summit Ave., West Hoboken, N. J.**

Mention the American Florist when writing

## Pansies

Stocky little plants of our best strain, \$2.00 per 100; transplanted plants that will be in bloom for Easter, \$1.50 per 100; \$12.50 per 1000.

**DAISIES (Bellis).** \$2.00 per 100  
**CINERARIAS** and **PRIMULA Obconica**, 4-in. pots, \$5.00 per 100.

**J. C. SCHMIDT**  
**BRISTOL, PA.**

season and there is a steady demand for it.

E. Borowsky of Roslindale has a splendid lot of Dorothy Perkins for the Easter trade. This variety is the most popular seller of all the rambler roses.

A. H. Fewkes of Newton is bringing in some fine dark red snapdragon. It is of unusual size and length of stem and sells on sight.

Sidney Hoffman has opened a splendidly equipped new store at 18 State street, in the heart of the business district.

Thos. J. Welch of T. F. Galvin, Inc., is still confined to his home with a severe cold.

The greenhouses of Joseph White are to be torn down.

R.





## Cacti and Mexican Resurrection Plants

We are in the heart of the cactus country, and furnish the healthiest open-grown stock, over 100 varieties, to the foreign and domestic trade. 28-page illustrated catalogue of Cacti free.

**Mexican Resurrection Plants.** We are strictly headquarters for this plant and ship all over the world. Good-sized dormant plants, guaranteed to "resurrect," 1000, 10.00; 5.000 at \$8.50; 10.000 at \$8.00.

**THE FRANCIS E. LESTER COMPANY,**  
Dept. L52, Messila Park, N. M.

## Well Rooted Carnation Cuttings

|                                | Per 100 | Per 1000 |
|--------------------------------|---------|----------|
| Enchantress .....              | \$2 00  | \$18 00  |
| Sarah Hill, white .....        | 4 00    | 35 00    |
| Lawson Enchantress, pink ..... | 2 50    | 20 00    |
| Lawson, pink .....             | 2 00    | 15 00    |
| W. H. Taft, red .....          | 4 50    | 40 00    |
| Beacon, red .....              | 3 00    | 25 00    |
| Victory, red .....             | 2 50    | 20 00    |
| Lawson, variegated .....       | 2 50    | 20 00    |

Cash with order or C. O. D.

**SCHEIDEN & SCHOOS,**

517 Asbury Ave., Evanston, Ill.

## SPECIALTIES.

Roses, from 3-in pots.      Chrysanthemums  
Carnations for fall delivery.      Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

**Wood Brothers,** FISHKILL, New York.

### WHITE SPORT OF

## Helen Frick Chrysanthemum

\$2.00 and \$3.00 per doz. Stock plants.

## ALVINA CARNATION....

\$5.00 per 100; \$45.00 per 1000; Delivery at once.

**HENRY EICHHOLZ,** Waynesboro, Pa.

## ROOTED ROSE CUTTINGS.

|                      | Per 100 | Per 1000 |
|----------------------|---------|----------|
| Am. Beauty .....     | \$4.00  | \$35.00  |
| Pink Killarney ..... | 2.50    | 20.00    |
| Richmond .....       | 1.50    | 12.00    |
| Brides .....         | 1.50    | 22.00    |

Satisfaction Guaranteed.

**Geo. Reinberg, 51 Wabash Ave., Chicago.**

Buffalo.

### STORE OPENINGS HELP.

Weather conditions the past week have undergone a great change; from good sleighing on Monday it has thawed and we are now enjoying good spring weather with every wish that we may have the same for Easter which seems such a short time until we will be looking for more days to complete our work. The supply of flowers of all kinds is good. Bulb stock of all kinds is very plentiful, with roses and carnations also in profusion. Trade has not been rushing with the exception of the opening of a new dry goods store on Friday. That gave some of the retailers an opportunity to get rid of surplus stock. The decorations were in charge of S. A. Anderson, who had a large number of plants, also baskets and bunches; these, together with those furnished by other retailers, made the week end good. Saturday found another lot of bargains in violets and carnations. Advance orders for Easter are coming in which makes all feel hopeful.

The election of officers, banquet and flower show of the Florists' Club last Tuesday was very successful. A nice

# A Rose for Every Greenhouse

## GRAFTED ROSES

**White Killarney, My Maryland, Pink Killarney, Richmond.**

**Bride, Bridesmaid, Golden Gate, La France, Kaiserin.**

Rose pots ..... \$15 00 per 100  
3½-inch pots ..... 18 00 per 100

Rose pots ..... \$10 00 per 100  
3½-inch pots ..... 15 00 per 100

## OWN ROOT ROSES

**White Killarney, My Maryland, Richmond, Pink Killarney, American Beauty.**

**Bride, Bridesmaid, Perle, Sunrise, Golden Gate, Chatenay, Kaiserin.**

3-inch pots ..... \$ 9 00 per 100  
4-inch pots ..... 12 00 per 100

3-inch pots ..... \$ 7 00 per 100  
4-inch pots ..... 10 00 per 100

We will have large quantities of **White Killarney** and **American Beauty** Rose Plants of the best quality for spring delivery.

**Standard Varieties of Carnation Cuttings** on hand.

**Verbena and Coleus Cuttings and Plants** ready for shipment.

Send for circulars.

**J. L. DILLON,** Bloomsburg, Pa.

## Splendid SEED of

# Phoenix Roebelenii

Price on application to

**SANDER,** Bruges, Belgium.

# Geraniums Coleus

|                                                | 100     | 1000 |                                             | 100             |
|------------------------------------------------|---------|------|---------------------------------------------|-----------------|
| 8 varieties, my selection, 2½-in. pots, \$3 00 | \$25 00 |      | 10 varieties, 2¼-in pots, Apr. 1.....       | \$ 2 00         |
| Asp. Sprenger seedlings.....                   | 1 00    | 7 00 | 400 Asp. Plumosus, 2¼-in pots.....          | 2 00            |
| Double Petunias, .....                         | 3 00    |      | Alternantheras, red and yellow, Apr. 1..... | 2 00            |
| 10 varieties of Cannas, 3½-in. pots, Apr. 1..  | 4 00    |      | Pansy Plants small.....                     | \$2 50 per 1000 |
|                                                |         |      | Pansy Plants, large, Apr. 1.....            | 1 50            |

—Cash. No C. O. D.—

**JOS. H. CUNNINGHAM,** Delaware, O.

lot of carnations, roses and Primula obconica were sent by local growers, filling one room of the Iroquois hotel and making a nice display. The election of officers resulted as follows:

Joseph Streit.....President  
Otto Gillis.....Vice-President  
Wm. Legg.....Secretary  
Charles Sandiford.....Treasurer  
S. A. Anderson, W. J. Palmer  
and L. H. Neubeck, Trustees.

The banquet was the most successful ever held, 53 being present. Retiring President Slattery was toastmaster and he also read his paper on "Color Harmony," which was very much appreciated. A request was made that he read it again at our next meeting where it will be discussed, other events not permitting it at that time. Mark Palmer and Otto Gillis arranged lantern slides of all the florists in all kinds of comical positions and poses relating to the business and bowling which afforded a

# SHAMROCK

True Irish,

2-in. pots, \$5.00 per 100; \$45.00 per 1000.  
Cash with order.

**FRANK OECHSLIN,**

4911 Quincy St., CHICAGO.

great amount of pleasure. Each picture was announced and properly described by L. H. Neubeck as only he could do. A number of telegrams were received by different ones from their friends giving advice, orders and making requests which created a great amount of fun. There were no set speeches, but President Slattery, President-elect Streit and the other officers, W. J. Palmer, W. F. Kasting, S. A. Anderson, F. C. Good, L. H. Neubeck, W. H. Grever and W. A. Adams made a few remarks, their brevity being appreciated. BISON.



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PERFECT POT HANDLES  
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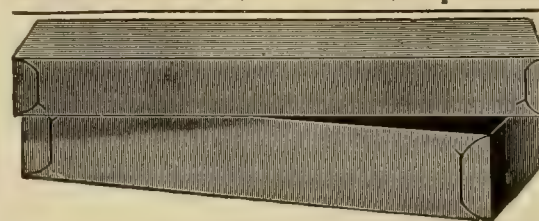
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## Pulverized Sheep Manure

The Ideal  
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for Florists.Write to-  
day for  
Prices and  
Booklet.

NATURAL GUANO COMPANY,

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CUT FLOWER  
AND  
Design Boxes

All sizes, lowest prices. Write

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MILWAUKEE

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Chairs, Settees, Hitching Posts, Etc.

Complete Catalogue and Discounts Upon Request.

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Wittbold  
Watering System

The saving in time and labor for one season will pay for a complete equipment.

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## ACHYRANTHES.

Achyranthes Lindenii (narrow pointed leaf variety) rooted cuttings, \$10 per 1,000. A. No. 1 stock. H. Heepe's Sons, Akron, O.

## AGERATUMS.

Ageratum, 3 kinds, 2-in., \$1.50 per 100. Byer Bros., Chambersburg, Pa.

## ALTERNANTHERAS.

Alternantheras, red and yellow, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3 per 100. R. Vincent, Jr., & Sons, White Marsh, Md.

Alternantheras, 2½-in., yellow, 2c. Mosbaek Greenhouse Co., Onarga, Ill.

Alternantheras, red and yel., \$2 per 100. Jos. H. Cunningham, Delaware, O.

## ALYSSUM.

Alyssum, dwarf and giant, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Alyssum, double giant and dwarf, strong, 2½-in., 2c. Mosbaek Greenhouse Co., Onarga, Ill.

Alyssum, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

## ARAUCARIAS.

Araucarias, D. U. Augspurger & Sons Co., Peoria, Ill.

Araucarias, Bobbink & Atkins, Rutherford, N. J.

## ASPARAGUS.

Asparagus plumosus nanus, from 2½-in. pots, \$2.50 per 100; \$22.50 per 1,000. Cash with order. Floral Hill Gardens, G. F. Kneipp, Prop., Chatham, N. J.

### REPOT TO DOUBLE VALUE.

Fine 2-in. Sprenger, \$2. Strong value to shift now. Plumosus, 2-in., \$2.50; 4-in., \$3. Gullett & Sons, Lincoln, Ill.

Asparagus plumosus nanus, 2½-in. pots, strong plants, \$2 per 100. Grand Rapids Greenhouse Co., Grand Rapids, Mich.

Asparagus Sprenger, 2-in., \$3 per 100; 3½-in., heavy, \$4.50. Wagner Park Conservatories, Sidney, O.

Asparagus plumosus, 2½-in., 3c; 3-in., 6c. Sprenger, 2½-in., 2c; 3-in., 5c; 4-in., 10c. Mosbaek Greenhouse Co., Onarga, Ill.

Asparagus Sprenger, Seedlings, \$1 per 100; \$7 per 1,000. Plumosus, 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 4-in., extra fine large plants, \$3 per 100. Scharff Bros., Van Wert, Ohio.

Asparagus Sprenger, 3-in., \$5 per 100. Plumosus, 2-in., \$3; 3-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus, \$25 per 1,000. Sprenger ready for 4-in., \$5 per 100. A. M. Herr, Lancaster, Pa.

Asparagus plumosus, 2½-in., 3c; 3-in., 6c; 4-in., 10c. Sprenger, 3-in., 5c; 4-in., 10c. G. Aschmann, 1012 W. Ontario St., Phila.

Asparagus Sprenger, 4-in., \$5 per 100. F. C. Riebe, Webster, Mass.

Asparagus Sprenger, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Asparagus Sprenger, 3-in., \$4 per 100. Pochlmann Bros. Co., Morton Grove, Ill.

Asparagus plumosus, Sprenger, D. U. Augspurger & Sons Co., Peoria, Ill.

Wanted, 50,000 Asparagus plumosus, 2 or 3-in. Walter Armacost, Ocean Park, Calif.

## ASPIDISTRAS.

Aspidistras, var., 5-in., \$1 each; 6-in., \$1.50; 7-in., \$2. Green, 6-in., 75c each; 6-in., \$1; 7-in., \$1.50. Vaughan's Seed Store, Chicago and New York.

## AUCUBAS.

Aucuba Japonica, variegated, 18 ins., 55c each; \$5 per doz.; 24 to 30 ins., \$1.50 each; \$15 per doz.; Japonica type, 18 ins., \$1 each; \$10 per doz. Vaughan's Seed Store, Chicago and New York.

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Azaleas, Bernard Andreas Alba, Niobe, Helena Thellman, Empress of India, Apollo, De Schryveriana, Dr. Moore, Mme. Van der Cruyssen, Louis Van Houtte, Simon Mardner, Vervaeiana, Deutsche Perle, \$1.25 to \$2.50 each. Smaller sizes, Van der Cruyssen, Mardner, Apollo, Niobe, Empress of India, D. Perle, De Schryveriana, Vervaeiana, 50c to \$1.25. In bloom, Mme. Petrick, Mardner, D. Perle, Apollo, Vervaeiana, 75c to \$1.50. G. Aschmann, 1012 W. Ontario St., Phila.

Azalea mollis, 15 to 20 buds, 50c each; \$5 per doz.; \$40 per 100; 40 to 50 buds, \$1 each; \$10 per doz. Vaughan's Seed Store, Chicago and New York.

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2,000 bay and box trees in all sizes; pyramid and standard. Write for list. Julius Roehrs Co., Rutherford, N. J.

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Bedding Plants; Coleus, Golden Bedder, Firebrand, Anna and John Pfister and other leading varieties, \$2 per 100; \$18 per 1,000. Salvia, \$2.50 per 100; \$20 per 1,000. Double Petunias (Snowdrift) and Single petunias, mixed, \$2 per 100. Heliotrope, \$2 per 100. Birmingham Landscape and Nursery Co., P. O. Box 663, Birmingham, Ala.

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Bulbs, tuberoses, 1st size, 4-6 ins., 90c per 100; \$7.50 per 1,000; \$35 per 5,000; medium, 3-4 ins., 60c per 100; \$4 per 1,000; \$17.50 per 5,000. Begonias, glaxias, gladiolus. Vaughan's Seed Store, Chicago and N. Y.

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Bulbs, Gladioli America, bulbets, \$5 per 1,000; \$20 for 5,000; \$35 for 10,000. Berrydale Experiment Gardens. Box 54, Route 1, Holland, Mich.

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Cannas, King Humbert, Chas. Henderson, Ex. Crampbell, Mme. Crozy, A. Bouvier, Mlle. Berat, F. Vaughan, Souv. de A. Crozy. W. C. Beckert, 103 Federal St., Northside, Pittsburgh, Pa.

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Carnation Mrs. C. W. Ward, R. C., \$2 per 12; \$12 per 100; \$100 per 1,000; 2-in. pots, \$15 per 100. Cottage Gardens Co., Inc., Queens, L. I., N. Y.

Carnations, new seedlings, deep crimson and bright pink, \$8 per 100; \$75 per 1,000. Rose Pink Enchantress, \$5 per 100. Dingee & Conard Co., West Grove, Pa.

Carnations, Enchantress, Perfection, Beacon, \$3 per 100; \$25 per 1,000. Rose Pink Enchantress, Winsor, \$2.50 per 100; \$20 per 1,000. J. D. Thomson Carnation Co., Joliet, Ill.

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Cinerarias, 6-in., 25c to 35c each. G. Aschmann, 1012 W. Ontario St., Phila.

Cinerarias, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

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Clematis paniculata, field, 1-yr., 6c; 2-yr., 10c. Dingee & Conard Co., West Grove, Pa.

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Coleus, Golden Bedder and Verschaffelti, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Coleus, fine ¾-in. stock, 2c, 16 kinds. Mosbaek Greenhouse Co., Onarga, Ill.

Coleus, 10 kinds. Byer Bros., Chambersburg, Pa.

Coleus, 10 vars., 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus. J. L. Dillon, Bloomsburg, Pa.

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Crotons, 3-in., 20c each; \$2 per doz.; 4-in., 35c each; \$3.50 per doz.; 5-in., 50c each; \$6 per doz.; 6-in., \$1 each; \$10 per doz. Vaughan's Seed Store, Chicago and N. Y.

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Dahlias, six novelties of special merit, Corona, Charles Clayton, W. K. Jewett, Manitou, Princess Yelive, The Baron, other novelties and the best standard varieties. The best is the cheapest. Prices reasonable and fair dealing guaranteed. Hollyhocks and other hardy plants. Catalogue. W. W. Wilmore, Box 382, Denver, Colo.

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English daisies, dbl. 2½-in., extra heavy, \$3 per 100. Wagner Park Conservatories, Sidney, O.

Marguerite Queen Alexandra, 4-in., 25c each; \$2.50 per doz. Vaughan's Seed Store, Chicago and New York.

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Dracaena Indivisa, 3-in., 5c; 4-in., 12c. Mosbaek Greenhouse Co., Onarga, Ill.

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Easter plants: Azalea, 5½ to 8-in., 75c to \$5 each; larger, \$6 to \$10; pyramids, \$4 and \$5. Lilies, \$12 per 100 buds; \$120 per 1,000. Lilies, white and blue, 3 and 9-in., \$1.50 to \$3 each. Spirea Gladstone, \$6 to \$12 per doz.; Queen Alexandra, 75c to \$1.25 each. Hyacinths, single, \$2 per doz.; miniature, 6, 7 and 8-in. pans, 35c to \$1 a pan. Trumpet narcissus, 35c to \$1 a pan. Lily of the valley, 5-in. pots, 35c each; 6-in., 50c; 7-in., 75c; 8-in., \$1. Dwarf roses, Baby Dorothy, Baby Rambler, \$6 to \$12 per doz.; Mme. Cuthush, 6½ and 7-in., \$12 to \$18 per doz.; large plants of Dorothy Perkins, \$1.50 to \$7 each; star-flowered Rambler, 6½-in., \$1.50 to \$2 each. Crimson Rambler, 6½ to 9-in., \$2 to \$3 each. Anton Schultheis, 316 19th St., College Point, N. Y.

Easter lilies, \$12.50 and \$15 per 100. Pot plants per bud, \$16 per 100. Miami Floral Co., 24 North Main St., Dayton, O.

Easter lilies, roses, carnations, valley, violets, daffodils, freesias and smilax. Domoto Bros., 27 Lick Place, San Francisco.

50,000 Easter lilies. Alfred H. Langjahr, 55 W. 28th St., New York.

Easter stock selling fast. See last week's issue for list. Geo. A. Kuhl, Pekin, Ill.

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Pteris, extra strong, 3½-in., \$10 per 100, worth \$15. Cash with order. Samples on request. Fox Poir Floral Co., 918 Bartlett Ave., Milwaukee, Wis.

Ferns, Boston, 3-in., 15c each; \$1.25 per doz.; \$8 per 100; 4-in., 25c each; \$2.50 per doz.; \$20 per 100; 5-in., 40c each; \$4.50 per doz.; \$35 per 100; 6-in., 75c each; \$8 per doz.; \$60 per 100; 7-in., \$1 each; \$10 per doz.; \$75 per 100; 8-in., \$1.25 each; \$14 per doz.; \$100 per 100. Vaughan's Seed Store, Chicago and New York.

Ferns, Boston, Piersoni, Elegantissima, 5-in., 35c; 6-in., 50c. Whitmani, 4-in., 15c; 5-in., 25c; 6-in., 50c each. Cash. H. Madson, 395 New Bridge St., West Springfield, Mass.

Ferns, Boston, Scottii and Piersoni, 2½-in., 3c; 3-in., 7c. Whitmani and Elegantissima, 3-in., 8c. Piersoni Elegantissima and Whitmani, 5-in., 30c. Mosbaek Greenhouse Co., Onarga, Ill.

Ferns, Neph. Todeoides, 5½, 6 and 7 in., 35c to \$1 each. Pteris Victoria, 6-in. pans, 30c per pan. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Nephrolepis Whitmani, 4-in. pots, 8c each; 3-in. pots, 5c each; 2½-in. pots, 3c each; 2½-in., 2½c each; runners, 1c. Ley & Bro., Highland, N. Y.

Ferns, Boston, Piersoni, Elegantissima, Scottii, Amerpohli. D. U. Augsburg & Sons Co., Peoria, Ill.

Ferns, Piersoni, Barrowsi, Scottii and Elegantissima, 4-in., \$15 per 100. Wagner Park Conservatories, Sidney, O.

Ferns for dishes, asst., 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Oechslin, 4911 Quincy St., Chicago.

Fern Nephrolepis Glatrasii, 2½-in., \$3.50 per doz.; \$25 per 100; \$200 per 1,000. George Glatras, 463 Summit Ave., W. Hoboken, N. J.

FERNS, Boston, 2-in. pots, \$2.50 per 100. Piersoni, 2-in. pots, \$2.50 per 100. Cash. Chillicothe Floral Co., Chillicothe, O.

Ferns, Whitmani, 4-in., 10c; 2½-in., 3c; \$25 per 1,000. John A. Doyle, Springfield, O.

Ferns, Boston, 3-in., 25c each. Whitmani, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns, Scottii, 5-in., 20c; 6-in., 30c. W. W. Coles, Kokomo, Ind.

Ferns, Whitmani, 2½-in., \$5 per 100. Henry H. Barrows & Sons, Whitman, Mass.

Ferns, Boston, 4-in., \$1.50 per doz. W. W. Coles, Kokomo, Ind.

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Ficus elastica, 20 to 24-ins., extra fine, \$3 per doz. Wagner Park Conservatories, Sidney, O.

Ficus elastica, 22-24 ins., \$6 per doz.; \$50 per 100. Frank Oechslin, 4911 Quincy St., Chicago.

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Geraniums, strong 2-in. stock, Heteranthe, Nutt, Jean Viand, La Favorite, L'Aube, Hill, \$2 per 100; \$18 per 1,000. Our selection, \$17 per 1,000. Pamela, \$4 per 100. Anastasia Lecadre, \$3 per 100. Red Wing, the best novelty of the season, 25c each; \$2.50 per doz. Write for geranium catalogue. F. H. De Witt & Co., Wooster, Ohio.

Geraniums, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Viand, Castellane, Poltevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$5 per 100. Mme. Sallerol, 2-in., \$3 per 100. G. M. Emmans, Newton, N. J.

Geraniums, standard vars., 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. Apple scented, 2-in., \$2 per 100; 3-in., \$3. Ivy leaved, 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr. & Sons, White Marsh, Md.

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Geraniums, fine 3-in., \$6 per 100; \$50 per 1,000; 4-in., 10c each. Mosbaek Greenhouse Co., Onarga, Ill.

Geraniums, Mme. Sallerol, 3-in., \$2.50 per 100. Wagner Park Conservatories, Sidney, O.

Geraniums, dbl. Grant, Castellane, 2-in., 2c. Byer Bros., Chambersburg, Pa.

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Greens, fancy and dagger ferns, \$1.75 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large bales, \$1.25; Leucothoe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch, 60 lbs., \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens dagger and fancy ferns, \$1.50 per 1,000. Bronze and green galax, \$1 per 1,000; \$8.50 per 10,000. Leucothoe Sprays \$1 per 1,000; \$7.50 per 10,000. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, green or bronze galax, 50c per 1,000; \$4.50 for 10,000. Green leucothoe, \$2.50 per 1,000; bronze, \$4 per 1,000. The Tuckaseegee Evergreen Co., Sylva, N. C.

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Greens, southern wild smilax. Log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

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Wild Smilax, 50-lb. case, \$2. Dagger ferns. D. S. Crum, Pine Apple, Ala.

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Hardy plants. Special prices on field stock to close out. Write if interested. Mosbaek Greenhouse Co., Onarga, Ill.

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Heliotrope, rooted cuttings, 75c per 100, prepaid. A. W. Higgins, Westfield, Mass.

Heliotrope, \$1 per 100; \$8 per 1,000. S. D. Brant, Clay Center, Kans.

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Hydrangea Arborescens Grandiflora Alba. The true large flowering forcing variety, warranted true, 2½-in. pots, \$3 per 100; 1-year field-grown, strong, 12 to 18 inches, \$6 per 100; \$55 per 1,000. New trade list ready. Write for it today. The Good & Reese Co., The Largest Rose Growers in the World, Springfield, O.

Hydrangea Arborescens Grandiflora. We have the largest stock of strong 2-year plants in America. Plants 2 to 3 feet, \$2.50 per doz; \$15 per 100; \$140 per 1,000. Good plants, 15 to 20 inches, \$10 per 100. List free. E. Y. Teas, Centerville, Ind.

Hydrangea Arborescens Grandiflora Alba (grown from stock obtained from The E. G. Hill Co.). Field grown 15 to 20 ins., \$7 per 100; \$65 per 1,000; a smaller size, \$5 per 100; 2½-in., \$3 per 100; \$25 per 1,000. John A. Doyle, Springfield, O.

Hydrangeas, R. C., \$1.50 per 100; 2-in., 50c per dozen; \$4 per 100; 3-in., \$1 per doz; \$8 per 100. D. U. Auspurgur & Sons Co., Box 778, Peoria, Ill.

Hydrangea paniculata grandiflora, 18 to 24 ins., 6c; 2 to 3 ft., 9c. Dingee & Conard Co., West Grove, Pa.

Hydrangea paniculata grandiflora, strong bushes, 2-3 feet, \$40 per 1,000. C. Kerckvoorde, Wetteren, Belgium.

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Ivy, English, pot-grown plants, 4-in. pots, 3-ft. long, 3 to 5 branches, \$12 to \$15 per 100. A. L. Miller, Jamaica Opp. Schenck Ave., Brooklyn, N. Y.

Ivy, German and parlor, 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

### LANTANAS.

Lantanas, 5 vars., 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Lilacs. Jacs Smits, Naarden, Holland.

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#### To Import.

Lily of the valley, London Market, \$1.75 per 100; \$14 per 1,000. Premium, \$1.50 per 100; \$12 per 1,000. International, \$1.25 per 100; \$10 per 1,000. Vaughan's Seed Store, Chicago and New York.

Lily of the valley. Jacs Smits, Ltd., Naarden Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

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Lily of the valley, cold storage, 250, \$3.50; per 1,000, \$13. W. C. Beckert, Northside, Pittsburg, Pa.

Lily of the valley. H. N. Bruns, 3040 W. Madison St., Chicago.

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Lobelia, Kathleen Mallard, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

### MYOSOTIS.

Myosotis, extra strong seedling stock, 3-in. pots, 3c. Mosbaek Greenhouse Co., Onarga, Ill.

### MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

Mushroom Spawn. Sure Crop, \$8 per 100 lbs. Weeber & Don, 114 Chambers St., N. Y.

### NURSERY STOCK.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Virburnum plicatum, 2 to 3 ft., 12c; 3 to 3½ ft., 15c. Dingee & Conard Co., West Grove, Pa.

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Nursery stock, apple seedlings, apple root grafts. Farmer Seed and Nursery Co., Faribault, Minn.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock arbor vitae (Thuya occidentalis), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

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Palms, Kentia Bel., 6-in., 20 to 24 ins., \$1; 7-in., 24 to 26 ins., \$1.50; 7-in., 26 to 28 ins., \$2; 8-in., 32 to 34 ins., \$2.50; 8-in., 34 to 38 ins., \$3.50. Kentia Fors., 6-in., 34 to 36 ins., \$1.50; 7-in., 36 to 40 ins., \$2.50; 8-in., 40 to 44 ins., \$3.50; 8-in., 44 to 48 ins., \$4.50; 10-in., 5½ ft., \$8. Made-up Fors., 3 plants in tub. 7-in., 40 to 44 ins., \$4; 8-in., 44 to 48 ins., \$5; 10-in., 44 to 48 ins., \$6; 10-in., 48 to 52 ins., \$7; 10-in., 50 to 54 ins., \$8; Phoenix Roebelenii, 5-in., \$1 each; \$10 per doz. Storrs & Harrison Co., Painesville, O.

Palms, Kentia Fors., 35 to 50 ins., \$1.50 to \$3 each; 4-in., 20c. Belmoreana, 4-in., 25c; 3-in., 10c. Cocos Wedd., 3-in., 15c. Latania Borb., 4-in., 20c. Areca lutescens, 5-in., 35c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Kentias, in 2½-in. pots, \$8 per 100; \$75 per 1,000. Jackson & Perkins Co., Newark, N. Y.

Palms, Kentias, Latantias, Phoenix. D. U. Auspurgur & Sons Co., Peoria, Ill.

Palms, Kentias. Joseph Heacock Co., Wyncote, Pa.

Palms, Robbink & Atkins, Rutherford, N. J.

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| American Beauty ..... | \$5 | \$45 |
| Kaiserin .....        | 4   | 35   |
| Mrs. Jardine .....    | 5   | 45   |
| Killarney .....       | 5   | 45   |
| Bride .....           | 3   | 25   |
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| Richmond .....        | 3   | 25   |

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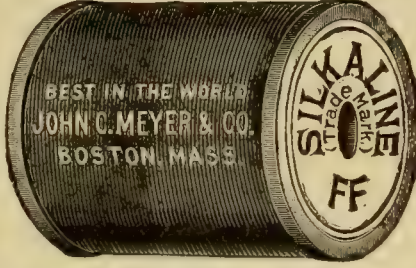
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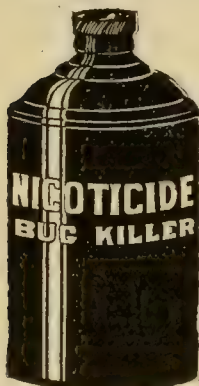
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Owensboro, Ky

## Steel Return Tubular Boilers

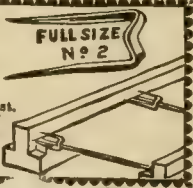
The Most Economical Type of Boiler  
for Greenhouse Heating. Highly  
recommended by well-known florists.

JOHNSTON HEATING CO., 138 E. 31st St.,  
NEW YORK.

Holds Glass  
Firmly  
See the Point at  
PEERLESS

Glazing Points are the best.  
No rights or lefts. Box of  
1,000 points 75 cts. postpaid.

HENRY A. DREER,  
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SIEBERT'S ZINC  
Never Rust  
GLAZING POINTS

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RANDOLPH & McCLEMENTS, Successors to  
Chas. T. Siebert, Baum & Beatty Sts., Pittsburgh.

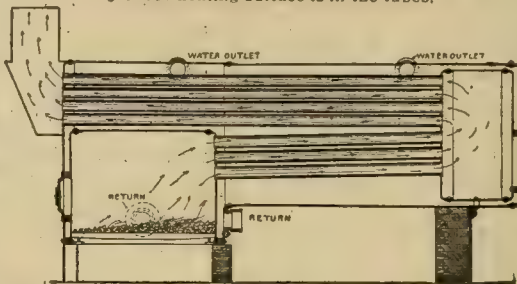
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can flag in the world, 80x160 feet, is  
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lilies at Schenley park in the Phipps  
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RETURN FLUE FIRE BOX BOILER

contains more heating surface, and less water space than any other steel boiler.  
2/3 of the heating surface is in the tubes.

Ask the  
man that  
knows the  
one using  
different  
style boilers  
—names are  
yours for  
the asking.



After using  
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one season,  
you will say  
like all  
others:  
Nothing but  
"Superior"  
for me.

This boiler has given better satisfaction than any other boiler on the market  
MADE IN NINE (9) SIZES FOR HOT WATER.

Send for catalogue and list of growers that are using this boiler.

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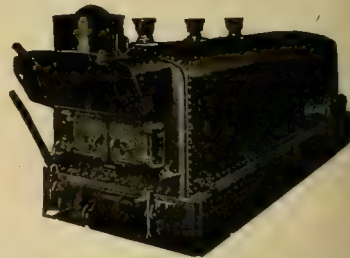
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is the only perfect  
HOT WATER BOILER.

We manufacture every type of boiler in use,  
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Prices and catalogue on application.

KROESCHELL BROS. CO.  
452 W. Erie St. CHICAGO



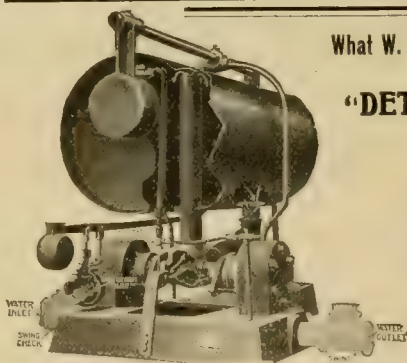
What W. J. Palmer & Son, Lancaster and Buffalo, New York  
HAVE TO SAY OF

"DETROIT" AUTOMATIC RETURN  
STEAM TRAPS.

"We have been using two of your 'Detroit' Traps the past winter on a Gravity System and find they keep the pipe clear of condensation, therefore making the return do as much as the flow. We are able to heat with less number of pipe than formerly and keep the houses far more even in temperature."

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Catalog No. 266 on Steam Traps.

AMERICAN BLOWER COMPANY  
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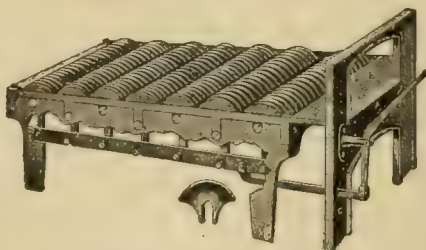


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Saves 10 to 25% of the  
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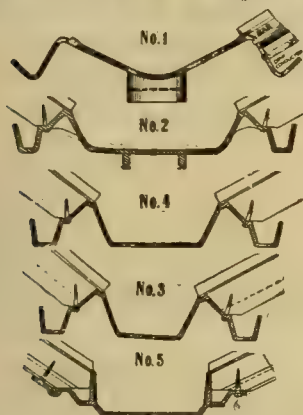
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For RELIABLE STOCK From RELIABLE DEALERS  
Keep Tab on Advt's. in THE FLORIST



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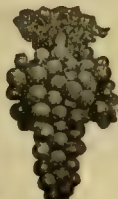
Ask the man who has tried them. For further particulars, write to  
**GEO. M. GARLAND CO.,**  
 DES PLAINES, ILL.

Has stood the test of over a Quarter of a Century.

## THOMSON'S Vine, Plant and Vegetable MANURE

UNRIVALLED  
 FOR

Vines,  
 Tomatoes,  
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 all Flowering,  
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 Fruit bearing  
 Plants,  
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The result of  
 many years  
 practical  
 experience.

PERFECT  
 PLANT FOODS

Sold by  
 Leading  
 American  
 Seedsmen.

— ALSO —

Thomson's Special Chrysanthemum  
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Freight paid on quantities. Write for our  
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**WM. THOMSON & SONS, Ltd.,**  
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## Holly Standard Circulator

busy and watch results.

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Steam Engineering Department.

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Crimped  
 Invisible

## Carnation Staple

(PATENT APPLIED FOR.)

For repairing split carnations. 1000 for 50 cents  
 Postpaid.

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GRAND RAPIDS, MICH.—The Michigan  
 Sphagnum Co., with headquarters  
 in this city, has been incorporated at  
 Lansing with a capitalization of \$12,-  
 000. Of this \$3,000 is preferred stock  
 and \$7,500 has been subscribed. The  
 purpose is to grow and market sphagnum  
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 other perishable articles. Those interested  
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 prices are reasonable and  
 material the best that  
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### GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.

Quality A. No. 1. Prompt shipments.

### Hooker's Greenhouse White Paint

The most durable white paint for this purpose.

Half barrels, (25 gallons), per gal. \$1.35. 5 gal. pails, per gal. \$1.40

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WHOLESALE GLASS AND PAINTS,

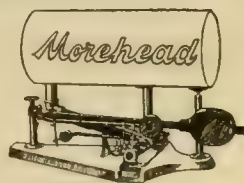
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It is "THE MOREHEAD"

### WHY?



**BECAUSE** it is giving them service they thought could not be bought  
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With an installation of a **Morehead Return Steam Trap** there begins a  
 better growth of flowers, a more even temperature in your greenhouses,  
 a decided decrease in your fuel bill and an infinite period of satisfaction.

Let us put your name on our list of "satisfied users." Our "Trap  
 Book" sent on request.

**MOREHEAD M'F'G. CO.,**

Dept. N, Detroit, Mich.

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 prominence in attendance, the annual  
 rose planting exercises of the rose  
 festival were held February 22 on the  
 grounds of the Forestry building. The  
 ceremony was one of the most notable  
 civic demonstrations in the history of  
 the city.

RICHMOND, IND.—M. Mamaski, a  
 young Japanese of Tokio and a rep-  
 resentative of his government at the  
 Alaska-Yukon exposition, is now study-  
 ing floriculture at the E. G. Hill Co.'s  
 place. His father is a high official  
 in Japan and secretary to the brother  
 of the mikado.



# Tobacco Paper "Nico-Fume" LIQUID

IS THE  
STRONGEST  
BEST PACKED  
EASIEST APPLIED

OVER 40% NICOTINE

By far the  
CHEAPEST

JUST NOTE PRICES

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| 24 sheets.....   | \$ 0.75 |
| 144 sheets.....  | 3.50    |
| 288 sheets.....  | 6.50    |
| 1728 sheets..... | 35.10   |

## Furnishes the Most Nicotine for the Money!

|                |         |
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| Pint.....      | \$ 1.50 |
| ½ Gallon.....  | 5.50    |
| Gallon.....    | 10.50   |
| 5 Gallons..... | 47.25   |

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville Ky.



## Model Extension Carnation Support

Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market.

Pat. July 27, '97, May 17, '98

**GALVANIZED WIRE ROSE STAKES.**

Write for prices before ordering elsewhere.  
Prompt shipment guaranteed

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The first special newspaper in the world for floral arrangement.

400 Partially Colored Illustrations Annually.  
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Published weekly. The Largest Brightest and Best British Trade Publication. Also

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Award of "Highly Commended" at the S. A. F. Trade Exhibition at Cincinnati.

Holds Corsage-Bouquet securely and gracefully.

Prevents damage to apparel.

Adjustable to any diameter of bouquet stem.

Adaptable to anything from Violets to Roses.

Does away with Corsage Pins.

A handsomely silver plated article and ornamental in itself.

Samples to trade, 25c each, by mail postage paid.  
By the dozen, \$3.00, postage paid. Correspondence solicited. Address

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Wire Floral Designs and Specialties.  
Catalogue Free.

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Lock the door before the horse is stolen,  
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We Manufacture all Our

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green flies and  
black ones too  
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\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back;  
why try cheap substitutes that makers do  
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**THE H. A. STOOTHOFF CO.,**  
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MANUFACTURERS  
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Write us for catalog and prices, stating  
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also state whether you wish it for display  
or only for storage.

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10 000, \$1.75; 50 000, \$7.50. Manufactured by

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Sample free. For sale by dealers.



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## HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOG AND DISCOUNTS.

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CAMBRIDGE, MASS.452-460 No. Branch St.,  
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FOR OUR

## Florists' Red Pots

Is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We ship over five lines of railroad by river or interurban. Write for catalogue showing all the articles we make for florists' use.

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## Standard Flower Pots!

Packed in small crates, easy to handle

| Price per crate              | Price per crate             |
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| 1500 2-in., in crate, \$4.88 | 144 6-in., in crate, \$3.16 |
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| 1000 3 " 5.00                | 48 9-in., in crate, \$3.60  |
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| 500 4 " 4.50                 | 24 11 " 3.60                |
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Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers. Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address

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For Florists, Gardeners, Truck Farmers, etc. Protects from frost. Best shade in summer. Sold by leading seedsmen.

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Use our patent  
Iron Bench  
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For Tobacco Extracts, etc. Send for Circulars.

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**DAYLITE**  
**Glass Cleaner**  
Will not injure paint or putty



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**Quick, == Powerful.**  
Leaves no Greasy Surface.

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Less..... 1 00

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**Neponset Waterproof Paper Flower Pot**  
WON'T BREAK. COSTS LITTLE.

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**Standard Flower Pots**Porosity and Strength  
Unsurpassed.

Write for prices.

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Full size and wide bottoms.

BULB PANS and AZALEA POTS

DETROIT FLOWER POT M'FY

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**Red Pots**

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Price, \$1.00 per dozen by express. mple  
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**RED POTS**

Prompt shipments guaranteed. We have a large stock of well made and well burned pots on hand for the trade of 1910. Our terms are as good as the best. Our catalogue on application.

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Cedar or Cypress

Write us if you want  
THE BEST.**Davis Cooperage Company**

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### VENTILATING MACHINERY

The original machine with self-oiling cups. The most powerful, least complicated, very compact, with ease of operation.

### The New Duplex Gutter

Over six miles in use and highly recommended by all. The only Drip Proof gutter on the market.

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It has no equals for simplicity or its working. Catalogue free.

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Write to us about

## Materials and Plans

for any size and style of

## GREENHOUSE

for new structure or repairs.

**Hot Bed Sash** In stock or any size required.

### Pecky Cypress

for benches, lasting and least expensive.

**The Foley Mfg. Co.,**

Western Ave and 26th St. CHICAGO.

### Oleander Poisoning of Live Stock.

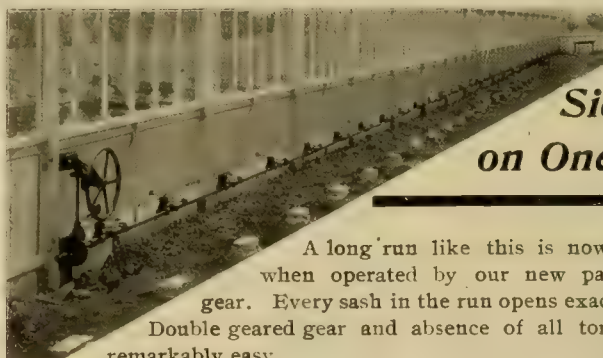
The oleander is used as an ornamental plant in the southwestern part of the United States, while in other sections it is grown as a house plant. That the practice of growing this shrub outdoors is attended with considerable danger to live stock is clearly brought out by F. W. Wilson in a recent bulletin of the Arizona Experiment Station. It is pointed out that the plant is dangerous to human beings, since many persons, and especially children, are apt to chew leaves, flowers, and small sticks. Experiments made were with two horses, a cow, a mule, and several sheep, and included trials of green and dry leaves, flower stems, parts of the branches, bark, and roots. The material was administered in the crude, dry and green form and as an infusion. The results are summarized as follows:

"Oleanders are poisonous when eaten by common farm animals. The manner of obtaining the poison is generally accidental and its presence is not usually known until death is approaching. Dry leaves are poisonous as well as green leaves. There is little danger of the animal obtaining the poison from leaves in drinking water. The amount of poison necessary to cause death is small, but depends also on the condition of health of the animal. The physiological effects of oleander are similar to those of digitalis, and if enough poison is obtained the patient is sure to die.

"The amount of oleander necessary to cause death in horses ranges from 15 to 20 grams of green leaves and from 15 to 30 grams of dry leaves. This depends on the condition of the animal at the time the poison is obtained. A full stomach will necessitate more poison. In the case of cows it is safe to say that from 10 to 20 grams of green leaves and 15 to 25 grams of dry leaves are sufficient to cause death. For sheep the fatal dose of either green or dry leaves is from one to five grams. There is little danger in the bark, roots, or flowers, since live stock would hardly obtain sufficient poison in that way."



**T**his shows the startling lightness of a U-Bar interior. Write to **Piereson U-Bar Co., 1 Madison Ave., New York,** for their catalog.



**200 feet of  
Side Sash Run  
on One Gear. \*\*\***

A long run like this is now thoroughly practical when operated by our new patented traveling shaft gear. Every sash in the run opens exactly the same distance.

Double geared gear and absence of all torsion makes operation remarkably easy.

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Elizabeth, N. J.

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### Louisiana Red Cypress Hot Bed Sash

20,000 Glazed Hot Bed Sash, painted, 3x6 ft., 1st quality soft Pine .....Each \$ 1.50  
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Complete Hot Bed Outfits, including subframe, top frame and sash,  
6x6 ft., 34-in. deep.....Each 7.98

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We can save you 50%.

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|-------------------------------------|----------------------------------|-----------------------------------------------------|
| 50,000 feet 1-in. Standard Pipe.    | 2,000 feet 10-in. Standard Pipe. | 80,000 ft. 3 3/4-in. Casing.                        |
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| 30,000 feet 2-in. Standard Pipe.    | 35,000 ft. 1 3/4-in. Casing.     | 9,000 ft. 6 1/4-in. Casing.                         |
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|                                     |                                  | 1,500 ft. Riveted Steel Pipe 24 to 72-in. diameter. |

All kinds of "Building Material," "Structural Iron," "Soil Pipe," "Hose," etc., at a saving to you of at least one-third.

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Mass Agric College

SPRING

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Indiana, Ohio, Kentucky, the Virginias, Maryland, District of Columbia, Pennsylvania, New Jersey, New York, Connecticut, Rhode Island, Maine, Massachusetts.

Hundreds of Kroeschell Boilers used in these States. Write us at once if you wish him to call at your place and look over your requirements.

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High Grade Boilers  
Generators, Piping Systems  
452 W. Erie St., CHICAGO

## The Kroeschell Boiler

Was installed to Heat Over 9,000,000 Square Feet of Glass During the Past Four Years. : : : :

## The Kroeschell Boiler

Replaced Over 1,500 Cast Iron Boilers in the Short period of Six Years. : : : :

## Expressions of the Men who Know:

### Kroeschell Boilers Are Not Over-Rated.

Our heating system works to perfection. To our surprise the new No. 8 boiler mastered the whole plant, consisting of five houses 20 x 150. We only deemed it necessary to start our second boiler when the temperature went down to 8° below zero.

We had expected to use both boilers in cold weather, but the one boiler did such excellent work that we did not run the two boilers until December 5th when the very cold weather set in.

It was a very easy matter to keep the temperature up in the very coldest weather and stormiest nights.

The five houses have 20,500 square feet of glass. the No. 8 boiler is rated at 16,500 square feet of glass.

**MUELLER & SCHROEDER CO.,**  
926 9th St. Milwaukee, Wis.



The Kroeschell Generator.

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Circulation is perfect.

Cheaper and better than 1, 1 1/4, 1 1/2 or 2-inch threaded pipe.

Overcomes all the disadvantages of 4-inch cast-iron pipe.

No deep boiler pits required.

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Cures sluggish circulation.

Water travels three to five times faster.

Saves fuel.

Prevents boiling over.

Water can be heated to 240 degrees without boiling, making it possible to have steam temperatures in your piping if wanted.

Greatly improves systems having long mains and coils.

Can be connected to any hot water system, no matter what kind of boiler or piping is used.

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# THE AMERICAN FLORIST



*America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."*

Vol. XXXIV.

CHICAGO AND NEW YORK, MARCH 19, 1910.

No. 1137

## THE AMERICAN FLORIST

TWENTY-FIFTH YEAR.

Copyright, 1910, by American Florist Company.  
Entered as Second-Class Matter Nov. 11, 1891,  
at the Post Office at Chicago, Illinois,  
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY  
**AMERICAN FLORIST COMPANY,**  
324 Dearborn St., Chicago,  
Long Distance Phone: Harrison 7465.

Eastern Office: 1133 Broadway, New York.  
Philadelphia, Pa.: Robt. Kist, 1725 Chestnut St.  
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Pres.; H. B. DORNER, Urbana, Ill., Sec'y;  
WM. F. KASTING, Buffalo, N. Y., Treas. Next  
meeting at Rochester, N. Y., August, 1910.  
Second National Flower Show, Boston, Mass.,  
March, 1911.

### THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at  
Boston, Mass., March, 1911. FRED. BURKE,  
Pittsburg, Pa., President; A. F. J. BAUR, Thirty-  
eighth St. and Senate Ave., Indianapolis, Ind.,  
Secretary.

### AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at Bos-  
ton, March 1911. WM. H. ELLIOTT, Brighton,  
Mass., President; A. FARENWALD, Roslyn, Pa.  
Vice President, BENJAMIN HAMMOND, Fishkill-  
on-Hudson, N. Y., Secretary.

### AMERICAN PEONY SOCIETY.

Seventh annual meeting at Horticultural Hall,  
Boston, Mass., June 1910. B. H. FARR, Reading,  
Pa., Pres.; A. H. FEWKES, Newton Highlands,  
Mass., Sec'y.

**Turn Your Surplus  
Stocks Into Cash  
By Advertising in the  
Ready Reference  
Department.  
See Page 411.**

## SUGGESTIONS FOR EASTER

### Easter Preparations.

There is every indication that the coming Easter will be one of the best on record. We are just emerging from a cold winter and the spring-like feeling will unloose the purse strings. Business generally is good and there is absolutely no reason to fear anything but a good all around holiday trade. To do this we must be prepared. It will not do to wait until the orders come in before seeing to it that abundant stocks of cut flowers, plants, baskets, ribbons and the hundred and one little sundries that are needed are on hand. Lilies, for instance, are among the most important items for Easter sales. If not already done the retailer should take a look around his growers' stocks, select what plants he needs and have them saved for him. For there will not be too many lilies this year. The date is early and growers who did not begin forcing Giganteums early are so far behind that they have already given up all hopes. Harrisii has in many places been extremely disappointing. We hear of one grower who purchased 5,000 bulbs and gave them the best treatment he knew who will not have 100 good plants for Easter. There will be many thousands in, of course, in all the principal centers of production as well as with local growers but they will be all wanted and more.

The price, too, will be comparative-ly high and this will lead to a better demand for moderate priced plants and cut flowers of quality. Azaleas are always popular at Easter and here we may mention a very good idea noted in regard to decorating these plants. An ordinary colored mat, such as is sold by the thousand for the purpose is tacked around a wooden pail or tub of small size. The pots of azaleas, rhododendrons, hydrangeas, rambler roses or any other kind are simply placed inside this tub and there you are. No tying, no possible chance of the mat slipping off and the appearance as good as it is pos-

sible to make it. One thing with regard to these mats should be noted. We often see them of glaring colors quite out of contrast with the flowers of the plant they are supposed to decorate. This is bad color combination and must be eliminated. We will not here go into the matter of color harmony. It is well treated on in the excellent paper that appears on page 365 of this issue by a past master in this art. But we would like to mention what struck us as a very beautiful combination last year. This was a mat of a kind of silver grey wrapped around combination pots of lily of the valley and yellow daffodils. The rather pale green of the lily of the valley foliage, the deeper tint of the daffodil leaves, the yellow flowers and the silver cover were exquisite and it is well worth repeating.

### Rambler Roses.

Among Easter plants outside of lilies there is probably nothing so beautiful or so popular as the rambler roses. There are so many varieties now that the retailer who wishes to have as good a stock as his neighbor must have a good selection of them. It would be hard to say which is the best rambler rose for Easter there are so many good ones. But we must confess to a strong predilection in favor of Lady Gay. It is without doubt one of the finest introductions of recent years and has become extremely popular. Grown any way and in any style it is beautiful, but in none more so, we think, than in natural form, its shoots pinched only enough to keep it in some semblance of a shapely plant. The lateral shoots on which the flowers appear are just strong enough to hold the flowers at the right pose without being stiff on the one hand or too loose on the other. But there are many customers who prefer plants trained either fan-shaped, globular or pyramidal and when this is the case these must be catered to. One well known firm of plant growers at least is sending this rose out in umbrella form and this



will doubtless prove popular with customers who like something novel.

Dorothy Perkins is too well known and too generally liked to need any praise from us. Its free flowering, good habit and its delightful soft coloring make it a favorite everywhere. Not perhaps quite so well known but a most beautiful thing is Tausendschon or Thousand Beauties. In this lovely rose all tints are displayed from rosy white to deep rose in the buds and opening blooms. It does not bear forcing so well as some other varieties but careful growers who started it early and brought it along steadily are in good time with it and such men will have it at its freshest and best for Easter. No retailer should be without a few plants of "Thousand Beauties." The various dwarf or "Baby" ramblers are exquisite little plants, either for use in baskets or as single plants in any of the pretty little pot covers and other devices that are now so popular. They come in various colors, almost all of the popular ramblers having its dwarf counterpart. Among the more recent novelties there are several beautiful things. Newport Fairy is a charming single with most exquisite coloring. Hiawatha is another popular good thing and all these help to give a variety to the stock. The old Crimson Rambler has lost some caste but is still a good seller and, as far as we are aware, unbeaten in its color when grown under glass. We never recommended it highly as an outdoor rose on account of the poor color of its foliage except under the most favorable conditions, but under glass forced gently it is a grand old rose.

#### Cut Flowers.

In giving a retailer advice on handling cut flowers we feel in something the position of the college boy who explained to his grandmother how to perforate the base and apex of the egg before withdrawing the contents, but we hope, at any rate, our remarks will be taken as kindly as they were by the dear old lady. Many retailers, we are convinced, lose a great opportunity of educating the public to be flower buyers by maintaining a very high price on cut flowers at times of special demand. "They only come here at holiday times and we've got to soak them," said a retailer to the writer at Christmas. Now, this is the wrong spirit. There will be plenty of flowers for Easter in all probability and if the wholesaler, the grower and the retailer would combine, not to inflate prices, but to endeavor to move all the stock at a good profit, then a fine show could be made in the retailers' windows, the public could buy their supplies at a reasonable rate and there would not be such a number of fakirs around selling at ridiculously low prices on the streets. We know that prices and profits cannot be figured down to a system as they can on some other goods. Department stores have tried that and many of them have signally failed. Flowers and plants are living, perishable things, and cannot be preserved, refrigerated and held for high prices as are many other necessities of life. But is the florists' trade of our great

country to pass into the hands of Greek ice cream vendors, who buy with spirit and take chances on selling at ever so small a profit, or are the legitimate florists going to keep their end up? Good business men in the retail end are watching this. They are advertising their prices, both in local papers and by signs in their stores, and they are getting the business while the man with the one idea—that of "soaking" his customers, is standing behind his counter and wondering when things are going to live up a bit. Think it over. There is more in it than meets the eye at first and we must have better methods if the business is to remain on a sound footing.



Bridal Bouquet by Canger & Gormley, Chicago.  
Made of White Orchids (Phalaenopsis Amabilis).

#### Foliage Plants, Ferns and Palms.

There are always customers for ferns and foliage plants at all holidays. It is true that they see these, more or less, all the year around, but people of moderate means are apt to consider the lasting qualities even of an Easter present and many a careful housekeeper is more pleased with a nice palm, Boston fern or rubber plant that will form a decorative feature in a room for many months than the finest bunch of American Beauty roses or the beautiful but fleeting Easter lily. Then there are quite a number of small, brightly tinted foliage plants of the croton, dracæna and pandanus type that are necessary for making up in small decorative devices, baskets, etc., to say nothing of the small ferns and palms, such as Cocos Weddeliana, Geonoma gracilis

and Phoenix Roebeleni for fixing up fern dishes and table ferneries. All these must be on hand to show customers or a good deal of the best class of trade will be lost. As to varieties it is not necessary here to go into them. There are many of them grown in quantity by the plant specialists and an early visit to their establishment when this is possible or a look through their lists will put one on the right track to a well furnished stock for the great day.

#### Miscellaneous Flowering Plants.

Among miscellaneous plants flowering at Easter the azalea takes a high place. As noted above it needs something to set it off, as it has a flat appearance used alone. Mme. van der Cruysen, Vervaeana, Niobe, Bernard Andreas and its white form (Alba) and Professor Wolters are all good and there are several dwarf, small flowering kinds, probably relatives of the old A. amoena that are fine for basket work. These are all varieties of A. Indica, but the mollis and Ghent varieties are very pretty, too, with their soft pink and yellow tints and their delightful fragrance. These need other flowering or foliage plants with them usually, though with a well chosen pot cover, a well grown Azalea mollis is very pretty. Pot grown lily of the valley is a good seller and here we can never understand why the retailer with a little glass of his own does not go into its culture more. He may not have the facilities for growing valley regularly as a cut flower proposition, but why he does not purchase a few pips and grow his own pot stock is a mystery. There is nothing difficult about it and he can get from 75 cents to \$1 for a pretty little pot of valley without any trouble. Compare this with the price wholesalers get for the cut flowers and figure out the profit. We don't say there is a million in it, but on the other hand we certainly do not know of a more profitable little side line.

Rhododendrons are good sellers where the patronage of the store is of the class that is willing to pay a good price and they are most satisfactory to handle. But where \$1-\$3 is the best one can get for plants then, of course, rhododendrons are out of reach. All yellow baskets of plants have come to be very popular at Easter and here the genista shines. It is a cheap plant, hardy and stands well, showy and very satisfactory to handle. Combined with yellow daffodils or yellow hyacinths it makes a charming basket and is also useful for selling as single specimens. Spireas are typical Easter plants, the graceful foliage and flower spikes associating well with any kind of decorations or other plants. Then they are comparatively cheap and a fine plant can be retailed for \$1-\$1.50. The old white form is somewhat out of the running with the newer improved varieties, but even now it is good and large numbers are sold annually. Always tell customers to water these plants copiously for the pots are full of roots and the great heads of flowers and foliage form a great drain upon them. Marguerites are pretty and useful plants indispensable at this time. They





EASTER BASKET OF LILIES AND OTHER PLANTS BY ERNST WIENHOEBER CO., CHICAGO.



should be secured in small pots for basket work as well as larger ones for selling singly.

#### Plant Baskets.

The plant basket has long been a favorite form of Easter present and has proven a profitable line for the retailer. At Easter there are perhaps more flowering and foliage plants than at any other holiday and a retailer has only himself to blame if he does not get a good variety into his baskets and other devices. Of late years simplicity in arrangement has been the prominent note in this class of work and this can be combined with grace and effectiveness with the material at hand. Our illustrations show, far better than we can hope to, how these baskets should be arranged. Beautiful effects can be worked out in the one color styles. For instance, as a pink basket we have seen very beautiful results from using Dorothy Perkins or Lady Gay roses with *Primula obconica* or *Sinensis*, cyclamens or pink hyacinths. *Narcissus* and daffodils combined with genistas and tied with a ribbon of old gold makes a charming all yellow device and many others can be worked out in keeping with the stock at command. White and green, although very chaste and beautiful, have a cold, funeral like appearance and, unless specially desired, are not to be unduly pushed. A single Easter lily, of course, is very fine and makes a welcome present, but in the usual run of basket, patrons look for brightness and color and plenty of it; not a jumbled heterogeneous mass of all the colors of the rainbow, but prettily blended or strongly contrasted tints that are telling and effective without being garish.

## THE RETAIL TRADE

THE fine bouquet of white orchids, illustrated on page 362 is the work of Canger & Gormley of State street, Chicago, and was made for the wedding described in our issue of February 26, page 211. It was made of that beautiful white orchid, *Phalaenopsis amabilis*, but, unfortunately, the engraving does not show as clearly as we could wish the beauty of the work or the delicate loveliness of the flowers. It is a splendid orchid for the purpose and one of the most choice and chaste flowers in cultivation.

#### Store Window Wedding Decoration.

The accompanying illustration shows a wedding decoration recently displayed in the show window of Chas. Thorley's store, Fifth avenue and Forty-sixth street, New York. The idea is very original and we do not recall anything similar in window decorations. Everything is here shown that may be seen in a high class wedding decoration.

On the prie-deau is the bridal bouquet of white orchids and lily of the valley. Elsewhere there is a French garland of pink roses for the matron of honor; a bouquet of pink roses and lily of the valley for the bridesmaid; chanticleer hats of pink roses and daisies for the flower girls and corsage bouquets of orchids for the mothers of the bride and groom. There are also boutonnières of white roses for the fathers; a boutonniere of white orchids for the groom; one of lily of the valley for the best man and others of gardenias for the ushers. There are

chanticleer bunches of white roses for the coachman and horse bridges and decorated whips for the departing bridal party. The elaborate altar decorations of orchids, lilies, ferns, daisies, and other fine foliage plants can be easily recognized and appreciated. This illustration, in addition to its leading features, shows a distinct advance in photography. The photograph was taken at night, and it is so natural that they even caught the boxwood hedge, outside of the window, which is another of Thorley's original ideas.

#### St. Patrick's Day in the Morning.

H. R. Hughes, Chicago, mailed the following circular to prospective retail customers, calling attention to his St. Patrick's day window decorations, reproduced herewith from photo.

When President Taft arises to make his speech before the Irish Fellowship club on St. Patrick's day this year, his feet will rest upon a section of the "ould sod" of Ireland, brought over to this city for that purpose.

This is a little bit of sentiment that is particularly appropriate for such an occasion. Irishmen are very loyal to the soil of old Ireland, figuratively and literally, and lose no occasion to show their loyalty to the mother country. If conditions in Ireland, politically and industrially, had in the past been more favorable for the development of her citizens, America would not now be the home of so many of the best children of the Irish nation.

Only a few can attend the Irish Fellowship dinner, however, and not many can take the time to go back to Ireland to see again the scenes of their early days. For this reason I have put a bit of Old Ireland in my window this month, in the form of a view of an



A NOVEL WEDDING DECORATION IN THE WINDOW OF CHAS. THORLEY'S STORE, FIFTH AVENUE, NEW YORK.





ST. PATRICK'S DAY WINDOW, BY H. R. HUGHES, WEST VAN BUREN STREET, CHICAGO.

Irish castle. Some of my Irish friends tell me it resembles a view they have seen in the old country.

You may wonder who is the young Irishman in the scene. That is Andrew Mack, leading the famous donkey he rides when he sings those Irish songs that bring down the house.

By the way, there is an old precedent that forbids a president of the United States from leaving the country during his term of office. I am glad that President Taft has decided to make an exception to this rule in this instance, and that he will step for a few moments from American ground to the soil of the Emerald Isle.

#### Easter Basket of Lilies and Other Plants.

No flower is so popular at Easter as *Lilium longiflorum*, either as a pot plant or cut, and it is equally useful as a basket plant for associating with other species. It stands head and shoulders above everything else in its chaste beauty and charm and there is nothing in the whole range of plants that can compare with it for the special festival after which it is popularly named. A lily can never be put in the wrong place; it associates well with any and every other kind of flower and plant and does not lose any of its fine individuality or detract from the beauty of the others. It is this quality that makes the white lily so

popular for every class of decoration. We have frequently described the arrangement of these plant baskets and need say no more on this subject at present, except that the fine basket figured was the work of the Ernst Wienhoeber Floral Co., Chicago.

#### Color Harmony.

A paper read by E. A. Slattery at the March meeting of the Buffalo Florists' Club.

Ever since the Grecians in the early ages made garlands of flowers, the question of color harmony has been one that has received the attention of those interested in supplying those wants, and the difference of opinion, that existed in those days, we find, are perplexing the florists of today, and in a far greater degree, for every year since those olden times, the demand has been constantly on the increase for floral decorations, until no social, business or other function is complete without its floral accompaniment. It is for this reason, no doubt, that I have been asked this evening to give my views as to the harmony of colors in flowers, and thus pass on the craft we represent, the knowledge that I have acquired in my years of experience in this and other cities.

#### THE MEANING OF HARMONY.

Color harmony? What does it mean? It means that blending of the various shades so that the picture pre-

sented to the eye will be attractive, beautiful, and fascinating to a marked degree. When you have attained this, you have reached the goal of satisfaction to your patron, as well as to yourself. True color harmony must originate with the florist himself; others can suggest, but on his or her own artistic judgment one must rely. True it is, that, what will be pleasing to the eye of one person, will not appeal in as strong a degree to another; this is often due to a want of that feeling called by many the aesthetic sense.

#### FOLLOW NATURE.

Nature, 'tis true, is the best harmonizer, and a person following in her footsteps cannot wander far from the true pathway of color harmony. Certain individuals are blessed by either being born with, or later developing to a greater degree than others, the art of harmonizing colors; if this were not so, all of us would be expert harmonizers, and handle the various shades with the same impunity, yet with that sublimity that Nature does herself. Nature has endowed many persons with a clearer perception of the true idea in color harmony than is given to others; to such fortunate persons, be they florists or not, the problem of color harmony has been solved, for it is within their own brain that the scheme of harmony is developed, and their handiwork will pro-



claim their efficiency, and generous customers seek their work.

#### COLOR IN FUNERAL FLOWERS.

Not many years ago, when I first took up the art of the arrangement of flowers, if a customer desired a floral piece for a funeral, no one thought of making up anything except in white and green; and it was the height of impropriety to send a floral token with any color in it. Today how different. The floral emblems used at obsequies of the present day are most brilliant, and often gorgeous in their brilliancy, yet skilfully, deftly and artistically arranged. They are most pleasing to the eye, reflect the beauties of Nature, and, at the same time, are in complete harmony with the surroundings in the death chamber, be it in hovel or mansion. This, the one color scheme, has been laid away with many other obsolete ideas.

The combinations that have taken the place of the one color schemes are more cheerful than those formerly in vogue, still they retain their artistic beauty. The change has benefited both the florists and their patrons. The former benefits by furnishing an outlet for the flowers of various colors, allowing a greater leeway in their selection and thus always being able to fill a "long felt want" by the substitution of one flower for another, even if a little different in shading. In the one color scheme of harmony, this could not be done. It benefits the customers by giving a more cheerful aspect to their tokens, and the radiation of a cheerfulness among those who are the recipients of their gifts of flowers, be it the debutante, or the bereaved family of some departed soul.

#### GREATER VARIETY.

The range of vision and purchase of the patron and that of the florist have been widened, until the flowers that are in commercial use today are almost as numerous as the sands on the sea shore. This is a most satisfactory situation or condition, for it permits of color combinations that could never before be executed and brought to that perfection which is excelled only by Nature herself.

The true idea of artistic and harmonious color blending must, and always does, originate in the inner man or woman, the handiwork is but the visible evidence of the color working of the mind. If it is not in the mind it cannot be successfully transmitted to the floral pieces or scheme itself. You cannot get blood out of a beet, neither can you get artistic and harmonious combinations of colors from those persons who have no conception of harmony and beauty themselves. In submitting a few combinations of colors, that in my experience have found favor with the people in general, I do so fully realizing that they may, or may not, meet with your approval, for, as I said in the commencement, there were differences of opinion along this score, in the ages past, and they are still with us in the twentieth century; but the combinations that I will submit, are those that have received the seal of public approval, and in this commercial age, that is what counts.

#### TWO COLOR COMBINATIONS.

Some years ago, I had the pleasure of first introducing a two color combination. For some length of time the idea met with ridicule from members of our craft, also from our best patrons, and not one was willing to give me the opportunity to demonstrate the beauty and artisticness of the idea by actual decoration. I abided my time, and finally persuaded one of our best customers to grant my request, for I had embraced every opportunity to impress upon him the desirability, the effectiveness, that I felt sure would result from the combination I had in mind.

I decorated the dinner table according to my two color scheme, and it was the "hit of my life." The colors



Standard Crimson Rambler Rose.

By Harry Rowe, Chicago.—Accessories, Red Ribbon, Boxwood Sprays and Asparagus Plumosus.

in this particular combination were pink Killarney roses and yellow daisies. Today every florist in Buffalo, and in fact all over the world, is using the same combination, evidence sufficient that the combination was a most happy thought, thoroughly artistic, attractive to the eye, and pleasing to the aesthetic taste. This combination, making the hit that it did, caused me to give serious thought to other color schemes, and I evolved the following combinations: Richmond roses and deep yellow roses, the Richmonds predominating. This combination is used most extensively today, and is a close second in popularity with the first mentioned.

In speaking of yellow, I might say that a combination of yellow pompons and Bon Silene roses makes a most striking combination, and one that is

very effective from every point of view. Yellow oncidiums and violets form a combination most satisfactory, and one that will command the attention of your patrons at once. The combining of Safrano roses and violets is very pleasing, attractive and a combination that is difficult to beat, while many find the combining of Perle roses and violets form what has been termed by many florists as the "combination irresistible."

#### VIOLETS.

Violets are the standby of the florists for the reason that there are so many other fine flowers that will go well with them. In fact, there is not a flower of any color that will not go well with violets in a two color combination, with the possible exception of scarlet. To this fact is due much of the popularity of the violets. Whenever a customer is in doubt as to the color of the flowers he is to purchase for his lady to wear, on account of his not knowing the color of the bodice she is to wear, he can never go amiss by suggesting violets, for they are a never failing match for any shade or color.

I could suggest to you combinations from now until morning, but the few that I have mentioned will suffice to indicate that the day of one color scheme and combination has passed forever from the florists' horizon, and that upon us devolves the duty of making combinations that will be pleasing and find favor with our customers. No one has a monopoly of the combination business; put your ideas into effect; make up a combination that appeals to your idea of color attractiveness and effectiveness. It is by so doing that you give to the craft the benefit of your ideas, and thus the floral art keeps pace with the progress of the hour.

Many are bewildered by the complicated color schemes, for color harmony, as we know it today, has made enormous and wonderful strides, both artistically and numerically, from the color harmony of 20, or even five, years ago, and there is no telling where further study and development of it will lead the coming generation of the florist craft.

#### Asters to Follow Corn.

ED. AMERICAN FLORIST:—

I would like your advice, as I have a lot 70x100 feet which was planted to corn last year, but I want to plant it to asters this year. Would it be advisable to plow it in spring and put in some cow manure? Please state how much seed it would take for branching asters.

R.  
Yes, plow as early as possible in the spring to allow plenty of time for the manure to decompose, and turn the ground just as often as possible by cultivating, until time of planting. If after planting the piece is to be hand cultivated make the rows two feet; if cultivated with horse, two and one-half feet. One ounce of aster seed contains about 10-12,000 seeds. After making liberal allowances for injury and destruction of young plants in planting, etc., one ought to grow 5,000 mature plants. On a large scale we allow four ounces of seed to the acre, or about 3,000 plants to the ounce of seed.

C.



### Preparations for Decoration Day.

The demand of the high class trade for Decoration day is for well-grown stock in good bloom for immediate effect. Geranium plants must be well established, with heavy trusses of bloom, to command the best prices. It is waste of time to try and talk a would be customer into buying small scrubby plants with the explanation that they will give better results after planting than a larger one in full flower will do. This applies not only to the geranium, but to every other plant as well. Flowering plants, such as hydrangeas, marguerites, Canterbury bells, roses, etc., should be fresh, well-bloomed plants, that have not been subjected to heavy forcing and the bedding plants well established, thrifty, cool grown stock and not drawn and spindly. The hydrangea plants for Decoration day should be now well established, making their new growths with the blooms just visible down in the new shoots. From this time on give them ample watering, never allowing them to wilt down for the want of it. Also apply liquid manure about every 10 days, with an occasional light dressing of sheep manure. Particular attention must be paid to the drainage of the pots. See this is kept clear as any clogging up will cause the foliage to turn pale and yellow. Give plenty of air on every favorable occasion and maintain a night temperature of 50°-52°. Avoid any close high temperature or a soft growth will result and the plants suffer when taken from the greenhouse for sale. Any crowding of the shoots can be taken care of by thinning out the least prominent ones for propagating.

Plants of *Hydrangea arborescens grandiflora* that were potted last fall and have been held dormant should be started up now. Thin out any small wood and prune back the growths to four or five good prominent eyes. Give the plants a good watering and start them in a temperature of 50°. Rambler roses should be started into growth now. Those that were pot grown last summer and have been covered up outside all winter should have the drainage examined so that the water passes away freely. Then remove a little of the top soil and fill in with a mulch of live soil consisting of one-third well rotted manure and two-thirds fresh soil, firming this well. Cut out all decayed leaves and dead wood, stake up and tie in the shoots as required. Water them carefully until root action commences after which they should receive a good soaking. Syringe the wood two or three times a day on bright days to make the eyes break liberally. They should be started cool. Give a temperature at night of 50°-52°, gradually raising it as the foliage appears. Ramblers are very subject to mildew if grown too warm and close, so be careful not to overdo it in this respect and, to guard against mildew, keep sulphur continually on one of the steam pipes. The Souper and other roses for bedding should also be started into growth at this time, potting them into larger pots as they require it.

Pelargoniums, fuchsias, heliotropes and marguerites can now be shifted

into their flowering pots, using a moderately light soil not too heavily charged with manure. These plants require a live soil rich enough to make growth active but too much manure will cause a soft growth at the expense of bloom. Start up the cannas now; we divide the roots into two and three prominent eyes, cleaning off all

bedding plant trade is so important now that it is necessary to pay particular attention to see that the stock is in fit shape to meet it. Geraniums should be well hardened, sturdy stock in good bloom. Those required for May sales and Decoration day planting should be in shape to be potted from 3 to 4-inch pots by March 15. This



CANE HANDLED BIRCH BARK BASKET.

By Andrew McAdams, Chicago.—White Hyacinths, Asparagus Plumosus and Ferns.

decayed matter, then place close together in the sand of a warm propagating bed. They soon start into growth and, as quickly as they have made good roots they are potted into 3½ and 4-inch pots according to the size of the root, using a fresh soil but being careful not to water too freely until the plants get well rooted. Cannas start up better in a warmer temperature than that given bedding stock in general and after becoming established should be treated to plenty of fresh air to harden them.

Geraniums are the most important of all plants for Decoration day and bedding out. These require close attention from this time on until the bedding plant trade is finished. The

will give them ample time to make good stock. The final potting should therefore be attended to without delay. After potting they can be set pot thick until growth commences again but before they have a chance to become drawn by being overcrowded they should be spaced out. It takes room to grow a good geranium as well as any other plant. Geraniums thrive best in a cool airy temperature with the roots kept a little on the dry side. While thinking of geraniums the question comes up as to what are the colors to grow. Without a doubt the best demand is for the semi-double varieties and the dark and bright scarlets are the best sellers. Those of the *Beaute Poitevine* or salmon shade have a good call; also



the soft pink of Jean Viaud, but customers who try these one year seem to tire of them and come back to those of the S. A. Nutt color. The white varieties have only a limited demand, so the stocks of these should be governed accordingly. The single varieties are very beautiful while in the greenhouse but they are not entirely satisfactory in this climate for bedding.

Coleuses are plants that to have them in good shape, need to be kept moving all the time. Light soil, plenty of shifts and a warm temperature suits them to perfection. Plants now in 2 or 2½-inch pots can be shifted into 3-inch and in a short while the tops can be taken for more cuttings without spoiling the original plant. Cuttings can also be put in right along. It takes but a short while for them to root if given a bottom heat of 65° potted up as soon as rooted and reported as quickly as they require it.

Mme. Sallerol geraniums are largely used for cemetery purposes. Stock of these propagated in January and now in 2½-inch pots will be ready for a shift into 3-inch pots the end of March, after which, if overcrowded for room, they can go outside into cool frames. Plants held over from last fall can be shaken out from the soil, cleaned up and repotted into fresh soil.

Fall transplanted pansies held in frames all winter, should now be given ventilation at every favorable opportunity and where they have been worked out of the ground by the frosts go over and add a little fresh soil to straighten them out again. Winter sown stock now transplanted in flats should be kept as near the light as possible in a cool, airy place. After April 1, as soon as the cold frames can be got in order these can be planted into them and if it is the intention to carry them in the flats for blooming they should be given space at this time for their proper development. Alternantheras are also largely used for cemetery purposes. Stocks of these propagated last August or September and held over winter close in beds or flats will need potting into 2 or 2½-inch pots the latter part of this month and plunged into hotbeds. Alternantheras should be given about six weeks time in the hotbed and allowed a week or 10 days to harden off before planting out. They require a light, sandy soil that has been prepared by being laid up with layers of well rotted manure. Care should be exercised not to give an overabundance of water until the plants are well established and in active growth. Echeverias, the companions of the alternantheras for design beds, should, if these have been held close in flats through the winter, be given room to expand by re-boxing. They do best in light, sandy soil and should be set near the light in a cool, airy house. Petunias, salvias, Vernon begonias and all other plants for bedding being increased from cuttings should be followed close up. It will take every day from now on to make salable plants. Verbenas, lobelias, petunias, asters, stocks and all other varieties of bedding plants being raised from seed, must now be well on the way and the transplanting

of them attended to as quickly as they arrive at the proper condition. For the best class of trade many of these plants are required pot grown and well in bloom. For this purpose transplant from the seed box into flats as soon as large enough; pot in 2¼ or 2½-inch pots, using a medium light soil.

C. W. JOHNSON.

### The French Bulb Industry.

#### RESUME OF THE SEASON OF 1909.

American florists make large purchases of bulbs from southern France, the declared exports through the consular agency at Toulon alone for the United States in 1908 amounting to \$126,778. The following account of this industry by Consular Agent Francis Milton Mansfield will therefore be of especial interest:

The popularity of flowering bulbs (oignons a fleurs) may be said to have originated in France half a century or more ago through the enthusiasm for their culture given by Alexandre Dumas, père, and Alphonse Karr, and to the latter was due the development of the flower industry of southern France so far as its reaching out into foreign markets was concerned. From Ollioules (an overgrown village lying inland half a dozen kilometers from the sea near the western limits of the Department of the Var in southern France) to Cannes, Nice, Antibes, and Menton (at the Italian frontier) extends this great flower garden, though chiefly it is in the neighborhood of Toulon, from Ollioules to Le Pradet, La Garde, and Hyeres, that the flowering bulb industry reaches its greatest height.

The United States is probably the largest buyer of French bulbs in

these markets, and certain species, supposedly grown in Holland, have their origin here. The soil is seemingly better suited than any other to the forcing of the finer varieties of narcissi, hyacinths and freesias, notwithstanding the progress which is being made elsewhere, notably in the Puget Sound region. Climatic conditions are exceedingly favorable here, the region being the most southerly in all France, and remarkably well sheltered from the violent north wind, the mistral, which so frequently tends to make the temperature uneven elsewhere in the same latitude in France. Here the exposure is full south and the forcing grounds, often terraced hillsides, are well drained and above all well sheltered, thus making possible also the development of the enormous cut flower traffic of the winter months, when narcissi, hyacinths, violets and carnations reach the Paris, London and Berlin markets by special trains.

#### CULTURAL METHODS AND DIFFICULTIES.

The Roman hyacinth bulbs are put into the ground at Ollioules in October, and are planted in rows 20 inches apart and running from east to west. The first flowering sprouts appear in December and January, after which another blossom appears, less splendid than the first, but still of a luxuriance unexcelled elsewhere. The crop of next season's bulbs comes later, and are known as the "bulbilles de multiplications," the first of which find their way into the shipments abroad about the last of June or the first of July. In general the bulbs shipped from Ollioules are large, heavy, and compact, but the maladies which are known to attack the hya-



EASTER BASKET BY W. J. SMYTH, CHICAGO.

Easter Lily, Foliage Begonias and Primula Obconica With Gauze Ribbon Bows.





PCTS OF DOUBLE YELLOW TULIPS COURONNE D' OR.

cinth bulb, a sort of rot at the base and an insidious little worm which enters by an almost invisible hole, sometimes work a havoc with the crops which reduces the season's supply at Ollioules very considerably.

It is to be noted, to the credit of the shippers, that special care is taken that only healthy bulbs are sent out, so far as can be controlled. There has been from the causes mentioned a notable shortage of certain of the larger sizes of bulbs at Ollioules in recent seasons, notably that of the present, 1909. The present United States tariff rate is \$2.50 per 1,000 on hyacinth bulbs instead of the former ad valorem duty of 25 per cent, but this need not affect the general average of prices, save that it adds to the cost of the smaller sizes and reduces that of the larger dimensions. Any notable shortage of the larger sizes (those above or approximating six inches in circumference) the coming season is what will govern the ruling market price.

#### PROSPECTS OF FUTURE SUPPLY.

Expressly affecting the 1910 crop and its prospective prices is the disaster which occurred at Ollioules on October 31, 1909, when a cyclonic tempest of hail and rain laid low all the budding carnations and in many instances washed out many thousands of already planted and sprouting bulbs. The damage was assessed at

\$400,000, probably an exaggeration of 50 per cent, but the greater part fell upon the growing plants above ground, principally carnations.

The incident may, however, be considered as one which will affect the quantity of bulbs available for trading in 1910 as well as their prices, and even United States buyers, who have the reputation of taking the finest stock (and incidentally paying the highest prices), may find difficulty in supplying their wants unless early orders are placed. Regardless of the extent of the crop elsewhere, either home or foreign grown, that of Ollioules and Hyeres is bound to have an effect upon the market if conditions of supply and demand in 1910 are at all like what they have been. The quality of the 1910 crop in this district is likely to be good, for the season has not been unusually rainy and there is little likelihood of further humidity seriously affecting the crop.

The first shipments of bulbs from Ollioules in 1909 should have arrived at New York about August 1, and amounted to about 2,500 cases. There is no assurance that the 1910 crop will be earlier or later, good or bad, larger or less in quantity, save as it may have been affected by the rain and hail storm of October last. There are no estimates to be had from the growers on the spot or at Hyeres or Le Pradet which will enable one to

say that a less or a larger area has been planted (about 6,000 acres in the department are given over to floral culture, but this includes the area devoted to growing flowers as well as bulbs) for the coming season than formerly, but the fact that there was a demand in 1909 in excess of the supply (the United States not being able to get all that was desired), especially in the larger dimensions, points to the fact that strenuous efforts are being made by the growers to meet the conditions of the prospective market.

The shipper, who is often a grower, will seek to augment his stock from outside neighboring sources and from the small growers who have not the facilities for marketing for export: this is evident from a knowledge of conditions, but so far as the districts neighboring upon Toulon are concerned they will demand that the stock be sound, healthy, and of good bulk. The small peasant grower may not always know how to distinguish the hyacinth malady, which often is scarcely visible from without, but the present shipper of "calibrage" (the measuring up of the circumferential dimension) has every means of verifying the soundness of the stock, and as a rule exercises it.

The sum total of opinions gathered from various direct sources is that French bulbs in 1910 will be higher in price, and this according to the



scarcity of large sizes. This applies to bulbs of all kinds, but particularly to the chief article of competition, the white Roman hyacinth approaching the dimension of six inches. The shortage, if any, in 1910 is only foreseen with respect to the larger sizes, and this of course is based upon the current demand for those bulbs which will give the most luxuriant blooms, rather than any unsurmountable difficulties in growing bulbs of large dimensions. The price is freely offered by United States buyers at any rate for this class of product, and if it is lacking in quantity it is along the lines of increasing the supply that energies will be spent in the near future.

The experiments being made by the United States bureau of plant industry may be expected ultimately to be felt with respect to the importation of foreign bulbs into the United States, but there is no grower in these parts with whom I have talked who admits its possibility, giving as a reason that his product is the best of all its kind and that nowhere else on earth are conditions for their growth so favorable as here. This may be a worthy assumption of local pride, but climatic conditions in this southernmost part of France are certainly unusually favorable. Nature has a great deal to do with the excellence of the bulb crop of Ollioules and Hyeres, for with the small growers at any rate very little scientific breeding or propagating is carried on; the larger growers, with capital and patience for experiment, are producing perhaps finer results, but nature taking its own course produces the bulk of the crop which is shipped from the region.

The fact that the hyacinth was originally of Asia Minor and Persia, where climatic conditions and those of the soil are perhaps not far different from what they are here, is a sufficient reason why the bulbs take root and propagate so luxuriantly and extensively on this Mediterranean coast. The hyacinth thrives best in a dry, temperate climate.

#### SHIPMENTS AND MARKET PRICES.

As to the scarcity and the "clean up" of the 1909 crop, application to three of the largest shippers of Ollioules in the month of November failed to produce a dozen bulbs of all kinds, though I wished to make up a parcel of 100 or more to send as a gift. Ollioules was literally sold out, and the rest were planted for the 1910 trade. The same was true of another smaller grower at La Garde, and there is no reason to suppose that the case was different with the flowers of Hyeres.

The number of individual shipments of flowering bulbs from these parts, as per the consular invoices certified at this consular agency, exceeded in number those of 1908 by 16 per cent, but in money value the totals were 6½ per cent less than in 1908, it being borne in mind that with regard to hyacinths as well as narcissi it was the larger and more costly bulbs which were found wanting, thus tending to reduce the volume.

In the Department of the Var about 6,150 acres are given over to "cultures

florales," but this term may be said to cover all plant and flower growths (the principal of which is that which supplies the cut-flower market) and those grown for perfume extracts, as well as some considerable extent of territory devoted to the culture of immortelles, the "everlastings" of commerce.

The increased number of bulb shipments to the United States in 1909 was undoubtedly brought about by a shortage when orders in hand actually came to be filled, followed by a number of smaller subsequent shipments, and it is in averaging these shipments as to value that the number is relatively large and the volume somewhat short of the figures of 1908.

Prices the present season for shipments to the United States have run as given below, the figures given being the average prices. What concessions were made in the way of discounts for cash payments, or what augmentations there may have been in the nature of charges for cases and packing, can hardly be said to affect the value of the product as it reaches the consumer who buys at retail in dozens, scores, or even hundreds. The following are prices per 1,000:

Narcissus grandiflora, five inches, \$3.92; extra, \$5.21; Trumpet Major, \$5.26; Grand Monarque, \$5.40. Prices of Trumpet Major may appear relatively high, but some were included under this designation which brought as much as \$6.75, though generally prices ranged from \$4.63 to \$5.80. Freesias, Mammoths, \$4.83; refracta alba, \$3.47. White Roman hyacinths, 4 1-3 to 4 3-4 inches, \$9.65; 4 3-4 to 5 inches, \$12.55; 5 to 6 inches, \$13.10 to \$13.50. Liliun candidum, 7 7-8 inches, \$13.90; 9½ inches, \$15.45.

RUSHVILLE, IND.—F. Windeler has built a greenhouse and is going into the culture of plants and cut flowers.

## FLORISTS' PALMS.

### The Growing Season.

March may be said to mark the opening of another season among florists' palms, from the fact that at about this time these plants begin to be more active in growth and, where space and the condition of the stock will allow it, repotting may begin. Seeds of some species are also received quite early in the season and provision must be made for sowing these immediately on their arrival for, though the majority of palms have hard and nut-like seeds, yet they do not retain their vitality for so long a period as some smaller and apparently more perishable seeds. The exception to this rule is found in the seeds of the double cocoanut, *Lodoicea Seychellarum*. They have germinated after having been in the ground for eight years, but this exception is not specially interesting to florists, as the species in question is not counted among trade palms.

On the contrary, many growers have found to their sorrow, that unless the seeds of kentias, arecas, cocos and latanias were fresh and carefully packed, so that they retained their moisture without heating in the box, the percentage of germination would be low, even with these readily germinated species. The best result that the writer has secured from kentia seeds was from a shipment received some years ago, in which the seeds were so fresh that the outer hulls were still green, the percentage of germination in that instance having been a little more than 72. Another example in the same line of argument was in the case of several thousands of domestic grown seeds of *Lantania Borbonica*, these seeds being sown within three days of the time they were picked from the tree, with the



A YELLOW EASTER BASKET BY W. J. SMYTH, CHICAGO.  
Genista, Begonia, Japanese Duckling and Yellow Ribbon.





DOUBLE DAFFODILS.  
Grown by Andrew McAdams, Chicago.

result that 98 per cent of them germinated. A similarly high percentage of germination has also been had from seeds of *Areca lutescens* from Brazil on rare occasions, there having elapsed about two months between the time these seeds were gathered and the date of their planting. In each case these seeds were sown in pots or pans, and the latter plunged in cocoa fibre in a warm greenhouse, and given careful attention in regard to watering.

But these were exceptional cases and, on the other hand, there have been shipments of areca seeds that did not average 10 per cent germination, and only last season there were large shipments of these seeds in the hands of at least two experienced growers that proved to be absolute failures. *Cocos Weddeliana*, still one of the most satisfactory plants to use for the center of a table fernery, is also rather uncertain in germination, some shipments proving very good while others give a very poor return. A better average of germination has been secured from this species by those growers who plant the seeds singly in small pots, this practice doing away with some of the trouble from broken tap-roots that one can scarcely avoid when potting off seed-

ling cocos. A broken tap root is the most frequent cause of disease and death among the young plants of this palm. When cocos seeds are sown in large pots or pans the tap roots of the seedlings almost invariably go straight down to the bottom of the pot and, as these are very brittle, many of them are broken in the operation of potting. Some of this difficulty may be avoided by allowing the seed pots to get rather dry before potting the seedlings, for in this condition the roots are tougher and more pliable than they are when water soaked, but at best it is a troublesome job, and even an experienced potter will break quite a number, and at best not pot many thousands in a day.

The Fish-tail palm, *Caryota urens*, is a very attractive palm to most plant lovers, though seldom seen in quantity in trade collections, and also has the advantage of germinating freely and quickly from fresh seeds. The foliage of *caryota* is somewhat sparse when the plants are grown singly, but made up in clusters of three or four plants in a 7-8-inch pot, this palm is quite effective, and in moderate supply would doubtless find buyers, for not every one wishes to be confined to the same three or four species of palms that are most common. Any-

one having young plants of *Seaforthia elegans*, or *Ptychosperma Alexandrae* that are just showing character leaves may make them up in groups of three or four plants in a pot to advantage, these bushy little specimens finding more admirers than single plants of the same species. But in potting up these combination plants much may be done toward improving the shape of the specimen by using a little judgment in the selection of the plants that are to go together, and then placing them in the pot so that the foliage is arranged in a natural and symmetrical manner and by carefully reducing the soil from the old ball the stems of the plants may be brought close enough together to give the appearance of a branched plant rather than a combination. In brief, give them a natural effect rather than an artificial one. Of course the matter of shading the palms from the full sunshine will have been thought of before these notes will appear, for the majority of these plants require some protection at least on the south side of the greenhouse by March 1, and on the north side about the middle of the month. It is little use trying to convince a customer that the less shaded plants are more hardy, for the deep green foliage of the shaded stock



usually appeals more to his sense of beauty.

W. H. TAPLIN.

#### Love and Flowers.

My daughter, wouldst thou know a man's secret? Go to the florist, then, O simple one, for in him every man repositeth his confidence. Yea, by the flowers which he sendeth a woman shall ye judge the quality of a man's love, likewise the quantity and exact stage. As violets pass unto roses and roses unto cheap carnations, and carnations unto naught, so passeth his grand passion from the first throes into matrimony.

Lo, at the beginning of a love affair mark with what care a man selecteth his flowers in person, that not a wilted violet shall offend thine eyes! Yet, as time passeth he telephoneth his orders and leaveth it all to the clerk. And there cometh a day when he murmureth wearily, "I say, old chap, make that a standing order, will you?"

Then the florist heaveth a sigh, for he knoweth that the end is at hand. Yea, this is the mark of an engaged man who doeth his duty. So after the wedding bouquets all orders shall cease together, and until he seeketh flowers for his wife's grave that man shall not again enter a florist's shop. For stale carnations, bought upon the street corner and carried home in a paper bag, are a fit offering for any wife. Yet a funeral rejoiceth the florist's heart and maketh him to smile, for he knoweth that a widower's next order shall be worthy of a new cause and the game shall begin all over again.

Verily, verily, my daughter, I charge thee, account no man in love until he hath gone forth into the gardens and the fields and plucked thee a few dinky pansies or stray weeds with his own hands. For when a man sendeth thee violets it may mean only sentiment, and when he sendeth thee orchids it may be only a bluff, but when he doeth real work for any woman it meaneth business. Selah!—London Tit-Bits.

PROPHETSTOWN, ILL.—George Hilger's boiler at the greenhouses burst recently and he has been put to great inconvenience to keep the temperature sufficiently high to prevent freezing the stock.

UTICA, N. Y.—At a recent meeting of the Florists' Club it was decided to hold a banquet April 10. A committee was appointed to make arrangements for the occasion. The club adopted resolutions heartily endorsing the proposition to erect a convention hall in this city, declaring it to be a necessity and the movement for it an opportunity that should not be neglected.

NEW BRUNSWICK, N. J.—Pupils in the Washington school, have turned their attention to the culture of flowers in school as an incident to their studies. In November last the pupils "chipped in" and bought some bulbs which they planted in pots and placed them in the windows of the school. They not only have a pretty floral display now, but have learned something about raising flowers.



EULALIA JAPONICA.

At Highland Park, Rochester, N. Y.

## HARDY HERBACEOUS PERENNIALS.

### Notes on Culture.

Seeds of hardy perennials, such as delphiniums, aquilegias, gaillardias, campanulas, hardy primroses, and all perennials that germinate in a few weeks, should be sown immediately. We prefer to sow all such seeds in flats and they germinate more freely and rapidly in a well made hotbed than they do on the greenhouse benches, although, of course, it is not advisable to construct hotbeds in our region before the middle of March, and previous to that, of course, seeds are sown in the greenhouses, if we want them earlier. Care should be taken to have the soil on the surface of the boxes free and loose, and it should be prepared with a mixture of light loam, leaf-soil and sand, so as not to cake. When the seedlings are large enough to handle they should be transplanted to other flats about one inch apart. When the plants fill the flats and are hardened off by exposure, by June 1 they should be planted in beds with a good, sunny exposure in rich, mellow soil in rows about one foot apart and about six inches between

the plants. By October 1 the plants may be planted in their permanent quarters, or they may remain until April of the following year, with a little protection by means of evergreen branches or light straw placed over the beds during the winter. Of course, seeds of perennials may be sown in drills in a bed in the open ground as soon as the soil is mellow and fit to handle in spring, and following the general treatment as indicated above.

The great majority of perennials need frequent transplanting when they are growing in permanent quarters. Perhaps peonies are the most enduring of all perennials, and they will remain for a great many years without showing any signs of deterioration. The best time to transplant peonies is certainly the fall, but if for various reasons transplanting or rearranging and breaking up of the clumps has to be done this coming spring, it should be done as soon as the season opens, as they start early into growth, and they are seriously weakened if handled when they are in active





PHLOX RICHARD WALLACE.

Growing at Highland Park, Rochester, N. Y.

growth. Perennial phloxes generally deteriorate after three years, when it is necessary to lift the clumps and break them up into a number of divisions and replant in well enriched soil. German irises, pyrethrums, delphiniums, perennial asters and helianthus, boltonias, funkias, hemerocallis, Japanese, polyanthus, and common primroses should all be lifted, divided and replanted wherever they have been showing signs of retrogression. The best time to lift, divide, and replant primroses, however, is when they are through blooming and have partially gone to rest, which, with most of the primroses hardy with us, is midsummer or late summer.

Early spring is a good time to break up and multiply the ornamental grasses, such as the eulalias, erianthus, arundo and pampas grass. All these grasses should be planted in conditions where there is an abundance of moisture and where there is no tendency for the soil at their roots to be dry even in mid-summer. These different grasses frequently present a stunted appearance in many ornamental grounds from being planted in too dry soil. We cover the pampas grass with a deep mulching of leaves to exclude all frost, and it does nicely with us.

JOHN DUNBAR.

#### Tells Jawsmiths to Quit.

Milwaukee, Wis.—“We have created too many non-producers, that is the principal thing that is the matter with the country,” said F. D. Underwood of New York, president of the Erie, in talking about the present cry of high prices. “If all the jawsmiths and sensational papers would shut up for a while we would soon be on a normal basis.

“The unspecialized men are having a hard time just now. I can remember the time right here when people used to take their hay, their wood and eggs into Milwaukee and then could not get anything for their products. These products would hang around till nightfall, then be taken back home or put it in some friend's barn. When the tax time came around, it was all the farmer and his sons could do to raise the money to pay taxes.

“Then there were too many people raising them and too many eating them. It is simply the swing of the pendulum. As a matter of fact we Americans are bad losers.”—New York Commercial.

SAN FRANCISCO, CALIF.—Andrew McAdams and wife, of Chicago, left for Portland, March 10, expecting to reach home in time for the Easter rush.

## THE ROSE.

### Care of the Young Stock.

From now on the young stock should have every attention, the sunniest and choicest location in order to grow the little fellows on into sturdy plants ready for benching later on. And right here let me repeat that at no stage of their growth must they be neglected. Don't let them become crowded. As soon as the foliage covers the pots to the extent of having to guess whether they require watering or not, they will either require more room or a shift into larger pots, in all probability the latter. Young rose plants should never be allowed to make but one growth in a certain sized pot, or, for instance, when, after potting them from the cutting bench and after they have made a growth in the small pots and this growth has become ripened they are then ready for the next shift to a size larger pot, before they start a new growth.

Where the stock is being grown for sale a 3-inch pot makes a good shift from a 2½-inch pot, especially from own root plants. As a rule, grafted stock is delivered knocked out of the 2½-inch pots in which the manetti stocks were first potted. This lessens transportation charges and one should endeavor to sell most of the grafted stock early in order to handle them in this manner. Just a word to the shipper in reference to one little detail sometimes neglected: When getting out an order of grafted roses see to it that every plant is firmly tied about the splice and that they are carefully mossed around the splice before wrapping them. Again it is essential that they should be packed firmly in the crates or cases; and securely nailed for even out of small pots, they make very heavy handling. They should be well watered in the pots before knocking them out for shipment. There is a great deal of satisfaction derived from the fact that you have packed and filled your orders without slighting your customers as regards the quality of the stock and the manner in which it was packed.

The writer remembers quite distinctly a letter his employer showed him coming from a customer who had received 1000 grafted plants by express and about the first he had ever packed. It read: “Received the plants promptly. It's the finest stock I have ever received and excellently packed.” My employer was pleased, the customer was more than pleased, and it goes without saying that the packer was the most tickled of the three. But to come back to “terra cotta” (as the old ducky said, when he fell out of the balloon). The best shift for grafted stock from the 2½-inch pots should be 3½, and the 3½-inch pots will require some drainage—the drainage made by using broken crocks from the small-sized broken pots is preferable to the thick pieces from large pots. Two pieces laid over the drain hole of the pot so as to form a bridge is the best method to employ as one is sure that the pots are perfectly drained. Of course it takes longer than to throw a handful



of fine pieces of crock in the bottom of a pot, but it pays. Pot firmly and do not forget to allow plenty of room for watering especially the grafted stock. Do not let the American Beauty plants suffer for want of room at any time unless black spot is an object to you.

Now that Easter is close at hand and a rush is in order, let me repeat

simply examples of the superior class of stock that Harry Papworth grows under the conditions referred to and as such they speak for themselves. They prove plainly that, given good culture, American Beauty and other roses can be as well grown in the south as in any other part of the country and are a great credit to all concerned.

when the roots are about one inch long. If allowed to make any further growth in the sand, it will be weak, as the substance is not there to nourish the plant; 2½-inch pots are generally used for the first potting, using new soil, sifted through a coarse screen. A little leaf mould added will help keep the soil porous, and benefit the young roots. The young plants should be placed in a rose house temperature, watering strictly attended to, and syringing every bright day to keep red spider in check.

When the 2½-inch pots are nicely filled with roots, shift into 3-inch adding a small portion of well rotted cow manure, and a light sprinkling of a good fertilizer to the soil, the plants to receive the same treatment as before, keeping the buds nipped off, which will cause the eyes below to break, making a good, stocky plant. Give the pots plenty of room on the bench, allowing the air and sunlight to get in through the plants. If the plants are kept in a good healthy condition they will require another shift into 4-inch pots before planting in the bench, which time will be about the latter part of May. The house will have to undergo its usual cleaning, whitewashing the benches, etc. The compost should be of good fibrous loam, two-thirds soil, and one-third well rotted cow manure, giving a top-dressing of bone-meal after the soil is on the bench, and mixing in well.

For the first week or 10 days after planting, water only around the base of the plants. When the roots begin to find their way through the new soil they will need more moisture. The plants will need immediate staking and tying to make well-shaped specimens, and to hold them in position so they can be syringed properly. Any cool night should be taken advantage of to fumigate. When the plants have been benched about six weeks or two months they will require an additional inch or two of soil and manure, equally mixed, as the young roots



IVORY AND BRIDESMAID ROSES AT THE METAIRIE RIDGE NURSERY CO.

Elise Papworth in Walk.

that at no stage of the game must the young rose stock be neglected if the plants are expected to give us the best possible returns. I firmly believe that if the young plants are in good condition when benched, there is little trouble experienced in making them productive throughout the season. On the other hand there is not a grower to be found perhaps that is not disheartened at the start if the stock is poor when benched. E.

#### Roses in the South.

It has often been said that roses cannot be grown as well in the south as in the northern and middle west sections of the country, but the illustration given herewith of roses grown by Harry Papworth, the well known New Orleans grower, who controls the destinies of the Metairie Ridge Nursery Co., go far to disprove that contention. Solid beds are used throughout as it is found that the plants do better this way than on the usual wood benches.

This suitability of solid beds for roses in the warm southern climate of New Orleans is quite in line with what northern growers are doing for summer roses. Acres of Kaiserin, American Beauty and others are grown this way in the middle west, and even in Canada the solid bed is becoming increasingly popular. It holds more soil, keeps the roots cooler in summer, and is in every way more satisfactory in hot weather than the high and dry wooden bench. But no argument either for or against can be as convincing as the flowers shown herewith which are not specially selected or cut for exhibition but are

#### How to Grow Roses.

A paper read at the February meeting of the Tarrytown (N. Y.) Horticultural Society by Andrew McKendry.

We propagate about the first week in January, in good, clean, sharp sand, using two-eyed cuttings, they making plants quicker than those with only one eye. If the sand is kept at a uniform temperature of 65° and the overhead temperature at 52°, the cuttings will root in about four to five weeks. They are ready to pot



ROSES AT THE METAIRIE RIDGE NURSERY CO., NEW ORLEANS, LA.

White Killarney in Center, Bride on Right and W. R. Smith on Left.





VASES OF IVORY AND BRIDESMAID ROSES GROWN BY METAIRIE RIDGE NURSERY CO., NEW ORLEANS, LA.

will begin to appear on the surface looking for more nourishment.

During the short days of November and December roses do not seem to relish too much feeding, for the plants are inclined to be somewhat dormant, and the roots not very active. A light sprinkling of fertilizer once a week is beneficial. As the days begin to lengthen and the sun gets stronger, the benches begin to dry out oftener, and at the same time the plants will make a vigorous growth, which is a sure sign that the soil is filling with roots, and will need more nourishment. A good watering with liquid manure once a week is as good as anything, using other fertilizers in between. A top dressing of bone meal will also be beneficial.

As a preventive for mildew, we keep the heating pipes well painted with sulphur, frequently closing off all the pipes but one run, which is well painted with sulphur, allowing the same to get extra hot, and the fumes of the sulphur will cause a regular vapor in the house. When plants are large enough for 4-inch pots, it is advisable to grow them a little on the dry side, giving them all the air possible, without injuring them, to encourage a strong, hardy growth, which will help in keeping out mildew during the hot summer weather before the fall firing begins. Ventilating is a very important factor in rose growing, not allowing the temperature to run up to 80° or 85° in the morning before giving air, and then opening the ventilators a foot or more, causing a sudden drop of 10-15 degrees, but ventilating gradually an inch or two at a time, the same method to be followed when closing the houses for the night, as the rose seems to enjoy an even temperature. •

## THE AMERICAN ROSE SOCIETY

### Eleventh Annual Convention at New York.

The eleventh annual exhibition and convention of the American Rose Society was held in connection with the spring show of the Horticultural Society of New York, in the American Museum of Natural History, New York, March 16-18. The exhibition opened on Wednesday under very favorable conditions, and although much of the stock was local grown and the west was not largely represented, the flowers shown were remarkably fine. President Poehlmann represented the west, while F. R. Pierson and the Waban Rose Conservatories worthily upheld New England. Among the principal features were the excellent flowers of Richmond and Killarney, while H. C. Steinhoff & Co.'s pot roses were much admired. There was a very fine show of orchids and foliage plants.

President Poehlmann called the business meeting to order at 10 a. m., March 17, and his opening address was well received. The reports of the secretary and treasurer were then presented and Secretary Hammond called attention to the bequest of the late Mrs. Hubbard of Washington, the interest on which is to be devoted to the purchase of a gold medal for the use of the society every fifth year. There was some discussion with regard to increasing the income of the society in which E. G. Hill, W. F. Gude and Wallace R. Pierson participated. The matter was referred to the secretary and treasurer. Boston, the scene of

the National Flower Show next year, was selected as the next meeting place. The following officers were unanimously elected:

W. H. Elliott, president.  
Adolph Farenwald, vice-president.  
Harry O. May, treasurer.  
Benj. Hammond, secretary.  
August Poehlmann and J. A. Valen-

tine were elected members of the executive committee, succeeding E. G. Hill and P. Welch. Wallace R. Pierson was elected to fill the vacancy caused by Adolph Farenwald's election as vice-president. Mr. Farenwald then read his paper on "Roses, the Brightest of Flowers," which was followed by S. B. Sibson's paper on "North Pacific Coast Roses," read by the secretary. W. F. Gude spoke of the death of Mrs. Hubbard and was named, with the secretary, as a committee to prepare suitable resolutions. The addresses of James Wood, on "The Ideals of Horticulture" and Geo. V. Nash on "The Rose and Its History" were presented at the afternoon session.

### President Poehlmann's Address.

It affords me great pleasure to address this large gathering, which may be safely considered the back-bone of our society, also those members of the Horticultural Society who are willing and anxious to assist us, as attested by their presence. Through the courtesy of the trustees of the American Museum of Natural History, we meet here in the eleventh annual convention, and with the hearty co-operation





August Poehlmann.



Wallace R. Pierson.



J. A. Valentine

## NEW MEMBERS AMERICAN ROSE SOCIETY EXECUTIVE COMMITTEE.

of the Horticultural Society of this city, we have made it a success.

Necessarily much of the preliminary work devolved upon a few members of the executive staff, living within easy distance, headed by that able leader, F. R. Pierson, our untiring secretary, Benjamin Hammond, and Joseph Manda, Jr., manager of the show. Many absentees would gladly be present, but for various reasons, principally lack of time, must forego the pleasure and be contented to wait for the reports as transmitted through the trade papers. These have all been largely instrumental in spreading the news, have made faithful reports of whatever copy was sent, and deserve the thanks of this society.

It has been suggested that greater interest in our society would manifest itself, if it were possible to hold our annual meetings and exhibitions in conjunction with the American Carnation Society. This would undoubtedly be true. One could not possibly detract from the other. The scheme ought to be carried through as it will unquestionably lead to good results, and show a large saving of time and money. Co-operation would certainly make for a much larger exhibition and better attendance. The idea is not to incorporate the two bodies into one, but each to remain individually itself. It is not because of the number of societies that many florists object, but they find it impracticable to attend so many different meetings and exhibitions. This is a question requiring further consideration. Today's exhibition speaks for itself.

Nine days less than a year ago we thought that we had the best display of roses at Buffalo. How does our show today compare with it? The spirit of the times must be with us. It permits of no backsliding, but is ever for advancement. Credit is due to those who constantly strive to outdo their previous efforts, and who have brought forth their product for your inspection and judgment.

Joseph A. Manda.  
Superintendent of the Rose Show.

Rose culture is increasing rapidly in all sections of the country. The demand from the south and west is fast increasing. New roses of merit are eagerly sought. The field is constantly widening. Millions of blooms are produced where 10 years ago there were so many thousands. It is indeed a growing business without a limit.

It is not necessary to dwell at length on the aims of the society. Pre-eminently it stands for the advancement and distribution of the rose, as expressed in its desire to place a rose in every home and a bush in every garden. How well this is being accomplished can be told by figures, showing the annual sales of rose plants running well into millions.

New insecticides have greatly lessened the evils of insect pests. Chemical fertilizers, as they are becoming better understood, are being more gen-

erally used, while the good cattle manure is becoming scarcer and each year harder to obtain. Bulletins, issued by the nitrate agencies, contain valuable information to florists regarding the use of the chemical fertilizer.

I have made my address brief because so much matter of value has already been published that little remains to be added. Our programme provides for a number of essays which I am sure will be of high merit, and hold your attention. We gladly welcome new members to our ranks. The secretary will be glad to furnish information as to terms of membership. I want to take this opportunity to thank everyone who has been instrumental in furthering the work of this exhibition on behalf of the American Rose Society and thank you for your kind attention.

## Secretary Hammond's Report.

The records of the year show that the American Rose Society blooms and grows in strength and influence. The idea, "A rose for every home, a bush for every garden," takes hold. During the past 12 months there has come to hand more inquiry for information than ever before, and the weakest point in the organization is the lack of a quarterly publication absolutely its own, that may be sent to every member and to kindred societies. In my opinion, until this is done, the membership will continue restricted.

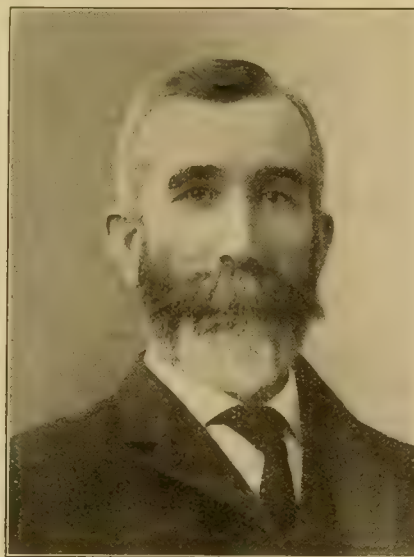
The interest and fame of the Rose Society is surely increased by the judicious use of its medals. These afford much pleasure and are not bestowed loosely. They carry with them esteem, and when given for good work in home gardens, in the communities where local interest is taken, stir up a lot of earnestness in rose planting. The Annual Bulletin was issued for 1909, being sent to every member and filed in many libraries and is called for by horticultural societies.

The last year, our life membership fund has passed the \$3,000 mark. We hope to see it get to \$30,000, and take





A. Farenwald, Vice-President.



Wm. H. Elliott, President.



Harry O. May, Treasurer.

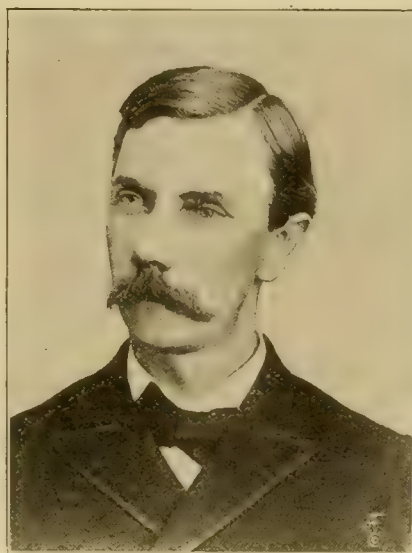
OFFICERS AMERICAN ROSE SOCIETY.

much pleasure in enrolling more in the life membership, as this insures permanency. The income has been above its regular outgo, but that is not taying much, because the prizes offered regularly each year run up to quite a sum and a year ago a number of gentlemen made up this amount separately from other support.

The exhibition in Buffalo was so well attended by visitors, who after the first day came in such numbers, that four gentlemen from the police force assisted in piloting the crowd, which comprised people who were greatly pleased with the show, and several joined as associate members. This year in the most congested city on the continent, in which there is no room for home gardens, but the taste and appreciation, for things beautiful and lovely, is so great that it is the best flower market we have. Therefore, under the sheltering wings of the Horticultural Society of New York, we make a spread without money and without price, of choice and lovely roses for whosoever will, to admire and to profit by. The florists and gardeners who thus show their products deserve well of all who are thus entertained.

This splendid building, the American Museum of Natural History, where we assemble, is in keeping with our previous experience, where for the queen of flowers, no quarters are too good and our thanks are due to the trustees and others connected with this hall for many gracious attentions. The society owes much, especially to ex-President Simpson, H. O. May, F. R. Pierson, and the executive committee for detail work in doing the many things required for such an exhibition. The American Rose Society is especially favored with many workers who freely serve for the general success.

The Florists' Society of Indiana has filed a request for the annual exhibition to go to Indianapolis in 1912, following the great National Flower Show to be held in the city of Boston.



Benjamin Hammond.  
Secretary American Rose Society.

Treasurer May's Report.

|                         |            |
|-------------------------|------------|
| Receipts .....          | \$4,524.32 |
| Disbursements .....     | 3,902.13   |
| Balance .....           | \$ 622.19  |
| Permanent Fund .....    | \$3,050.00 |
| Hubbard Medal Fund..... | 250.00     |

The Awards.

Display of hardy roses in bloom, first prize offered by Hon. Philip Breitmeyer, Detroit, Mich.—H. C. Steinhoff & Co., West Hoboken, N. J., first.

Collection of teas and hybrid teas, in not less than 5-inch pots, 25 plants or more, first prize offered by John N. May, Summit, N. J.—H. C. Steinhoff & Co., first.

Collection of hybrid perpetuals, 6-inch pots or over, not less than 25 plants, first prize offered by Welch Bros., Boston, Mass.—H. C. Steinhoff & Co., first.

Twelve baby ramblers, any variety, in not less than 4-inch pots.—H. C. Steinhoff & Co., first.

Specimen Crimson Rambler in pot or tub.—H. C. Steinhoff & Co., first.

Specimen Lady Gay in pot or tub.—Julius Roehrs Co., Rutherford, N. J., first.

Specimen Dorothy Perkins in pot or tub.—H. C. Steinhoff & Co., first; Julius Roehrs Co., second.

TWENTY-FIVE CUT BLOOMS—OPEN.

American Beauty (stems not less than four feet nor more than six feet). First prize offered by Arthur T. Boddington, New York.—Gude Bros. Co., Washington, D. C., first; Brant-Hentz Flower Co., Madison, N. J., second.

Bride, first prize offered by A. H. Langjahr, New York.—Poehlmann Bros. Co., Chicago, first; L. B. Coddington, Murray Hill, N. J., second.

Bridesmaid.—Henry Hentz, Jr., Madison, N. J., first; Poehlmann Bros. Co., Chicago, second.

Kaiserin Augusta Victoria.—Robt. Scott & Son, Sharon Hill, Pa., first.

My Maryland, first prize offered by L. B. Coddington.—J. Welch Young, Philadelphia, Pa., first; E. H. Rohr, Madison, N. J., second.

Mrs. Jardine.—Wm. Geiger, Oak Lane, Pa., first; Robt. Scott, second.

Mme. Abel Chatenay.—Robt. Simpson, Clifton, N. J., first; United States Cut Flower Co., Elmira, N. Y., second.

Ivory.—United States Cut Flower Co., first; Gude Bros. Co., second.

Sunrise.—Benj. Dorrance, Dorrance-ton, Pa., first.

Wellesley.—Gude Bros. Co., first.

Killarney, first prize offered by Walter F. Sheridan, New York.—J. Welch Young, first; W. G. Badgley, Chatham, N. J., second.

White Killarney.—F. R. Pierson Co., Tarrytown, N. Y., first.

Richmond, first prize offered by Wm. G. Badgley.—Adolph Farenwald, Roslyn, Pa., first; Edward Towill, Roslyn, Pa., second.

Any other named disseminated variety.—Robt. Simpson, first; Benj. Dorrance, second.

Largest and best collection of teas and hybrid teas, six or more varieties, not less than 12 flowers of a kind, first prize offered by Robt. Simpson, Clifton, N. J.—Gude Bros., first.

Twelve Bridesmaid (open to private gardeners and amateurs only).—Wm. Hastings, Tuxedo, N. Y., first.

SPECIAL PRIZES.

Fifty White Killarney, prize \$25, offered by Poehlmann Bros. Co.—F. R. Pierson Co., first; Waban Rose Conservatories, Natick, Mass., second.



Fifty Killarney.—Prize a silver cup, value \$25, offered by H. F. Michell Co., Philadelphia, Pa.—Poehlmann Bros. Co.

Fifty White Killarney.—Prize a silver cup, value \$25, offered by the Waban Rose Conservatories.—Poehlmann Bros. Co.

New rose, American origin, of 1909 and 1910.—Prize a silver cup, value \$25, offered by Alexander Montgomery, Natick, Mass.—Myers & Samtman, Chestnut Hill, Philadelphia, Pa., with unnamed sport of My Maryland.

Fifty American Beauty.—Prize, \$25, offered by John I. Raynor, New York.—Brant-Hentz Flower Co., Madison, N. J.

Fifty Mrs. Jardine.—Prize, \$25, offered by Robt. Scott & Son.—H. C. Geiger, Philadelphia, Pa.

Thirty-six My Maryland.—Prize \$15, offered by John Cook, Baltimore, Md.—Myers & Samtman.

Six roses, American Beauty excepted, two to be white and four to be red, pink or yellow. Prize, solid silver cup, offered by Moore, Hentz & Nash, New York.—United States Cut Flower Co.

Twenty-five Richmond (open to private gardeners only).—Prizes offered by Stumpp & Walter Co., New York.—Wm. Hastings, Tuxedo, N. Y.,

#### HORTICULTURAL SOCIETY PRIZES.

Twenty cyclamens, special prize, silver cup, offered by R. & J. Farquhar.—James Stuart, Mamaroneck, N. Y., first.

Specimen plant of cyclamen.—James Stuart, first; Mrs. Henry Siegel, second.

Six rhododendrons in not less than three varieties.—Samuel Untermeyer, Yonkers, N. Y., first.

Six schizanthus.—Samuel Untermeyer, first.

Best display of orchids, covering 50 square feet of table space.—Lager & Hurrell, Summit, N. J., first; Julius Roehrs Co., second.

Cattleya Triana.—W. A. Manda, South Orange, N. J., first.

Cattleya Schroederæ.—W. A. Manda, South Orange, N. J., first.

Any other cattleya.—F. L. Moore, Hackensack, N. J., first; Lager & Hurrell, second.

Dendrobium Wardianum.—W. A. Manda, first; Lager & Hurrell, second.

Best and largest display of bay trees.—Julius Roehrs Co., first.

Finest and largest Nephrolepis Bostoniensis.—F. R. Pierson Co., first.

Finest and largest Nephrolepis elegantissima.—F. R. Pierson Co., first.

Finest and largest Nephrolepis Scotti.—F. R. Pierson Co., first.

Finest and largest Nephrolepis Piersoni.—F. R. Pierson Co., first.

Any other nephrolepis.—F. R. Pierson Co., first.

Best display crotons, not less than 25 varieties.—Prize, a silver medal.—Julius Roehrs Co., first.

Best display of stove and greenhouse foliage plants, not less than 25 plants.—Prize, a silver medal.—Julius Roehrs Co., first.

#### Visitors.

On the opening day the following were noted in the exhibition hall: Hon. Philip Breitmeyer, Detroit, Mich.; L. B. Coddington, Murray Hill, N. J.; Peter Crowe, Utica, N. Y.; Thos. Devoy's son, Poughkeepsie, N. Y.; Adolph Farenwald, Roslyn, Pa.; Jas. E. Jones, Richmond, Ind.; W. G. Mac-kindrick, Toronto, Ont., Can.; Harry O. May, Summit, N. J.; Wm. Nicholson, Framingham, Mass.; I. T. Powell, Millbrook, N. J.; L. J. Reuter, Westerly, R. I.; Robt. Simpson, Clifton, N. J.; W. H. Waite, Yonkers, N. Y.; P. Welch,

Boston, Mass.; Wm. F. Kasting, W. J. Palmer, Buffalo, N. Y.; W. G. Badgley, Frank L. Moore, Chatham, N. J.; Fred Lautenschlager, August Poehlmann, Chicago; A. N. Pierson, Wallace R. Pierson, Cromwell, Conn.; Benj. Hammond, Frank E. Whitney, Fishkill, N. Y.; Prof. John Craig, Prof. L. B. Judson, Ithaca, N. Y.; A. Dowling, W. A. Leonard, Lansdowne, Pa.; G. E. Baldwin, James Stuart, Mamaroneck, N. Y.; Geo. W. Hill, F. R. Pierson, Tarrytown, N. Y.; A. Gude, W. F. Gude, O. A. C. Oehmler, Washington, D. C.; John Birnie, Oscar Boehler, H. C. Steinhoff, West Hoboken, N. J.; Ed. Roehrs, Julius Roehrs, Sr., Julius Roehrs, Jr., Theo. Roehrs, Rutherford, N. J.; E. H. Behere, Wm. Duckham, Arthur Herrington, R. M. Schultz, C. H. Totty, Madison, N. J.; Robert Kift, Edward Lowell, Frank Myers, S. S. Pennock, Martin Samtman, Philadelphia, Pa.; F. A. Bolles, Eugene Dailedouze, Henry Dailedouze, Paul Dailedouze, A. H. Langjahr, A. L. Miller, Brooklyn, N. Y.; J. K. Allen, J. J. Coan, Chas. A. Dards, A. F. Faulkner, Wm. Ford, H. E. Froment, A. J. Guttman, Patrick O'Mara, John I. Raynor, Chas. Schenck, W. F. Sheridan, Frank Traendly, John Young, New York.

#### The Rose the Brightest of Flowers.

BY A. FARENWALD.

When I received word to write a paper on the above subject, I felt that it was sent to the wrong man, so I tried to wriggle out of it; but the powers that be wanted me to stick to the gun, and, as I am an enthusiastic member of this society and a lover of roses as well as a grower, I consented.

I shall do my best to honor the queen of flowers. If I fall short, you must remember that I am only a rose grower, not a poet. Of course, there are other flowers in the race, such as orchids, carnations, violets and a host of others. They are all beautiful; they all fill their places, but what one has sufficient popularity to fill the place of queen? With its exquisite form, its graceful carriage, its thousands of different hues of color, coupled with the grandest foliage imaginable, we see in the rose the embodiment of all that is beautiful in the kingdom of flowers. For ages the poets have sung their praise of its charms. The composer has put to music what stirred his soul when face to face with its matchless beauty. Innumerable times the painter has tried to copy its wonderful forms and colors.

Our queen is the symbol of our fondest affections as well as of our deepest sympathy. Her mission is varied, fitting all occasions and all lives. Her bright coloring and delicate perfume are silent messengers of comfort and cheer to the sick in body and soul. She also brings to the memory of most of us thoughts of long ago—"the days of love and roses." No human being can resist the charms of our queen, no matter how lowly his station or how crude his ideas of beauty.

Truly, fellow members, no nobler profession exists than ours, the rose grower's, whose everlasting patience and skill tries to improve on Mother Nature. To think that we send every day to thousands and thousands of homes these messages of love and

cheer. No, we need not be afraid of any other flower taking the place of our beloved queen, as long as we keep on producing and improving in the future as we have done in the past, to which fact the present exhibition testifies. All growers of roses are rose lovers. Whether they produce the flowers for commercial purposes, or simply for pleasure, their aim is one—perfection. A few weeks ago I said publicly in Philadelphia that the carnation was pushing hard for first place. Of course, we know the carnation has its charm, but the rose is its superior, and always will be. It is simply the fact that its producers, as a class, are putting forth their best efforts. But, if all rose growers should strive as hard, what marvelous results might be obtained.

The Rose Society has a motto: "A bush for every garden, a rose for every home." It is to educate the masses of our people to the point of appreciating the value of the rose as a means of culture, so that in the future men will discuss with each other the merits of their several rose gardens, and compare notes on the different varieties. In the spring-time, before leaving in the morning for their places of business in the dark and dusty cities, they will take a run into their gardens and receive an inspiration from the bedewed beauties such as will enable them to wrestle more effectively with the problems of the day. Furthermore, they will enjoy talking to their neighbors and friends on these beauties of nature, instead of simply filling each other's minds, as they do now, with exchanges of opinion on the various sports of the day, stocks and bonds, etc. That education no other flower can bring, as no creation of nature has attained, as I said before, such beauty, and won such universal love as our queen, when once thoroughly understood by the great amateur public.

"The Rose, the Brightest of the Flowers." When I started on this subject, I felt that I could not do it proper justice. But I caught the inspiration as I thought upon it, as everyone must be inspired when once thoroughly aroused to the charms of the queen of flowers. I have tried to convey some of my innermost thoughts on our glorious queen, and doing it has brought back to my memory dreams of long, long ago; and I hope that for some, or all of you, it will also call up memories of the "days of love and roses."

DUBUQUE, IA.—N. A. Harkett has leased the Lyric theater building for a period of five years and will move into it shortly.

ROCHESTER, N. Y.—Geo. T. Boucher, says the Chronicle, is among those who are "doing it for Rochester" to a noteworthy degree. He recently removed his business from 343 Main street east, Triangle building, to No. 345, thereby securing much more room and consequently an opportunity to carry a still greater assortment of flowers and plants. The decorations of the new store are exceedingly beautiful and its entire equipment and arrangement are a credit to the enterprising proprietor.



Spring Show of Pennsylvania Hort Society.

The spring show of the Pennsylvania Horticultural Society was held in conjunction with that of the National Gardeners' Association of the United States in Horticultural Hall, Philadelphia, opening on Tuesday last and closing on Friday evening. The feature of the show was the magnificent collections of bulbous stock, hyacinths, tulips and daffodils. These were never finer and in fact many of the pans of hyacinths and tulips were the best ever exhibited before the society. There were also some splendid specimens of azaleas, gorgeous in color and exceptionally well flowered. Cineraria stellata, fine plants, were seen in many collections. Lilacs and wistarias, tall plants, six feet high, full of clusters of blooms, attracted much attention.

Probably the most showy displays were the long tables filled with entries for the Michell and Waterer prizes. Such tulips and hyacinths, about three dozen bulbs to a pan, are seldom seen. There was also a fine showing of daffodils and narcissi in the other flowering plants. Azaleas were prominent, there being some handsome specimens. One large white, over seven feet in diameter, was a cloud of blossoms and attracted much attention. Cineraria stellata and the large flowered varieties were very conspicuous and much admired. Primula obconica, of which there were a number of exhibits, added much to the show. Easter lilies, callas, yellow and white, lilacs and roses in flower, of which latter there were several entries, were all interesting additions. The groups of foliage and flowering plants, arranged on either side of the hall, were attractive and were the only attempt at decorative effect. The first prize was awarded to Samuel Batchelor; the feature here was very well flowered plants of wistaria, purple and white. The center was a bank of cibotiums, while orchids, callas, heather, cyclamens, and double white cherry, spireas and palms, tastefully arranged, made a rich looking

group. Standard fuchsias, wallflowers, Easter lilies and callas, cinerarias, geraniums, palms, ferns and crotons were also well placed and were much admired. The cut flower display, while not extensive, was of No. 1 quality; roses, carnations, snapdragon, stocks and sweet peas comprised the assortment.

In roses, a vase of Frau Karl Druschki, grown by Wm. Robertson, of exceptional quality, won out over a vase of choice White Killarney. There was but one vase of American Beauty grown by Wm. Kleinheinz, and this was fine. A white carnation named Wodenethe, an extraordinary flower in size and form, was exhibited by T. C. Whitney, Fishkill-on-Hudson, N. Y. This, with a fine entry of sweet peas, from A. Zvolanek, of Boundbrook, N. J., were the only out-of-town exhibits. Wm. Kleinheinz also staged a splendid lot of sweet peas. There were several large vases of snapdragon, exceptionally well grown, and vases of superb stocks, one of Queen Alexandra being exceptionally fine. H. A. Dreer, Inc., staged some choice specimens of Cocos Weddelliana and Phoenix Roebelenii, together with begonias O. H. Moon and His Majesty, two very pretty varieties; a group of variegated pineapple was also a feature. In the lower foyer H. A. Dreer and H. F. Michell made trade displays, as did H. Waterer and Walter Stokes. The Lord & Burnham Co. arranged a display of photographs of fruit-growing houses and pictures of the products grown therein, such as pears and grapes and fruit in pots. Orchid collections of new and rare sorts were made by Pericat, of Philadelphia, and Lager & Hurrel, of Summit, N. J.

K.

YORK, NEB.—A Mr. Lawson has purchased 10 acres of ground here for a greenhouse plant.

SAN FRANCISCO, CALIF.—There was an attendance of 29 at the meeting of the Pacific Coast Horticultural Society March 5 and the lively discussion of trade subjects was quite instructive.

National Association of Gardeners.

The National Association of Gardeners held its annual meeting in the Florists' Club rooms, Philadelphia, Pa., March 16, and elected the following officers to serve for the coming year: Wm. Kleinheinz, president; James Bell, vice-president; W. H. Maywood, secretary and treasurer.

The annual dinner was held on Tuesday evening, March 15, at Dooner's hotel. There was a goodly number of the trade present. President Kleinheinz presided and Robert Leroy was toast-master. F. Kelsey, of New York, made a speech that fairly glistened with good points and we will have more to say of it in the near future. The presentation of the silver cups won at the flower show was a feature. President Kleinheinz was first with 13, one of them of solid gold. Wm. Robertson was second with eight; Wm. Batchelor followed with seven; John Doods carried off two with James Bell, Thos. Zaynor and F. C. Whitney one each.

K.

GALESBURG, ILL.—I. L. Pillsbury says that on March 8 he was granted by the patent office "a register on his staple for mending split carnations."

ELDORA, IA.—J. M. Pierce, of Des Moines, has become interested in an important venture in this city in company with J. S. Pollard, says the Des Moines Register. The firm will be known as the J. S. Pollard Floral Co., and has purchased a large acreage north of the Chicago & Northwestern railway company's tracks and will erect a large number of greenhouse buildings and otherwise improve its property. Mr. Pierce and his son will have an active interest in the management. Mr. Pollard has for some time been conducting a successful greenhouse business and now expects to branch out on a large scale and in due time arrange to establish a large nursery business. The location of the new plant is an ideal one, near the Eldora Riverside park and cemetery and the fair grounds. No better spot could be found in central Iowa for the establishment of such a business as is contemplated by the projectors.

Chrysanthemum Society of America.

Review of the Work of the Examining Committees for the Season of 1909.

| Name of Variety    | Where Shown  | Date    | Exhibited by.                       | Color                | Type      | Scale | Color | Form | Fullness | Stem | Foliage | Substance | Depth | Size | Total |
|--------------------|--------------|---------|-------------------------------------|----------------------|-----------|-------|-------|------|----------|------|---------|-----------|-------|------|-------|
| Edmond Albe        | Cincinnati   | Oct. 16 | The E. G. Hill Co., Richmond, Ind.  | Satin Pink           | Jap. Inc. | C     | 18    | 13   | 7        | 15   | 13      | 12        |       | 9    | 87    |
| Mrs. W. Wincott    | New York     | Oct. 16 | Charles H. Totty, Madison, N. J.    | Light Pink           | Jap. Inc. | C     | 19    | 12   | 7        | 14   | 14      | 12        |       | 8    | 85    |
| Mrs. W. Arnold     | "            | Oct. 27 | "                                   | White                | Jap.      | C     | 17    | 13   | 10       | 14   | 13      | 13        |       | 8    | 88    |
| Mrs. A. R. Peacock | "            | Oct. 16 | "                                   | "                    | Jap. Inc. | C     | 18    | 13   | 9        | 14   | 14      | 12        |       | 9    | 89    |
| Hawthorne          | "            | Nov. 6  | Heck Bros., Wyomissing, Pa.         | "                    | "         | Ex.   | 9     | 14   | 14       | 5    | 5       |           | 12    | 30   | 89    |
| "                  | Philadelphia | "       | "                                   | Pink.                | "         | C     | 17    | 13   | 7        | 14   | 14      | 13        |       | 7    | 85    |
| "                  | "            | "       | "                                   | "                    | "         | C     | 17    | 13   | 9        | 13   | 13      | 13        |       | 8    | 86    |
| Unaka              | Cincinnati   | Oct. 9  | Elmer D. Smith & Co., Adrian, Mich. | "                    | Jap.      | C     | 16    | 12   | 8        | 15   | 12      | 12        |       | 8    | 83    |
| Donatello          | "            | Oct. 23 | "                                   | Yellow               | Jap. Inc. | C     | 18    | 14   | 10       | 14   | 10      | 14        |       | 8    | 88    |
| Oroba              | "            | "       | "                                   | White                | "         | C     | 17    | 12   | 9        | 14   | 11      | 13        |       | 10   | 86    |
| Tonkawa            | New York     | "       | "                                   | "                    | "         | Ex.   | 9     | 13   | 14       | 5    | 4       |           | 13    | 30   | 88    |
| "                  | Philadelphia | Oct. 30 | "                                   | "                    | "         | C     | 16    | 13   | 8        | 15   | 13      | 13        |       | 8    | 86    |
| Adonis             | "            | "       | "                                   | Yellow Shaded Bronze | Jap. Ref. | C     | 18    | 13   | 9        | 12   | 13      | 13        |       | 9    | 87    |
| "                  | "            | Nov. 13 | "                                   | "                    | "         | Ex.   | 9     | 13   | 14       | 3    | 4       |           | 12    | 30   | 85    |
| "                  | "            | "       | "                                   | Light Pink           | Jap. Inc. | C     | 15    | 12   | 8        | 13   | 11      | 13        |       | 8    | 80    |
| "                  | Cincinnati   | Nov. 20 | "                                   | "                    | "         | Ex.   | 8     | 12   | 13       | 4    | 3       |           | 13    | 30   | 83    |
| Randee             | "            | "       | "                                   | "                    | "         | Ex.   | 8     | 12   | 14       | 3    | 3       |           | 14    | 34   | 88    |
| Clorinda           | "            | Nov. 6  | "                                   | White Shaded Pink    | Jap.      | Ex.   | 6     | 14   | 15       | 3    | 3       |           | 14    | 32   | 87    |
| Arlee              | "            | "       | "                                   | Bronze               | Pompon    | C     | 33    | 18   | 18       | 20   |         |           |       |      | 89    |
| Red Light          | "            | "       | "                                   | Terra Cotta          | Single    | C     | 37    | 16   | 18       |      | 16      |           |       |      | 87    |
| Constellation      | "            | "       | "                                   | Scarlet Maroon       | "         | C     | 35    | 15   | 15       |      | 12      |           |       |      | 77    |
| Number 109         | Chicago      | Nov. 26 | James Livingston, Lake Geneva, Wis. | White                | "         | C     | 35    | 15   | 15       |      | 15      |           |       |      | 8     |
| "                  | "            | Nov. 20 | "                                   | Lemon Yellow         | Anemone   | C     | 30    | 15   | 15       | 18   |         |           |       |      | 78    |

Scores possible under scale used (C. S. A. Official)

Com. 20 15 10 15 15 15 . 10 100  
Ex. 10 15 15 5 5 . 15 35 100

Scale of points Pompon Varieties—Color 40, Form 20, Stem and Foliage 20, Fullness 20. Total . . . 100.  
Scale of points Single Varieties.—Color 40, Form, 20, Substance 20, Stem and Foliage 20. Total . . . 100.

C. W. JOHNSON, Sec'y.



# THE AMERICAN FLORIST

1885 TWENTY-FIFTH YEAR 1910

Subscription, United States and Mexico \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

Eastern Representatives:

A. F. FAULKNER, 1133 Broadway, New York.  
KOB. KIFT, 1725 Chestnut St., Philadelphia, Pa.

**THE AMERICAN FLORIST,**  
324 Dearborn St., CHICAGO.

**THIS ISSUE 84 PAGES WITH COVERS**

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PRESIDENT TAFT will surely see to it that the Department of Agriculture add blachthorn and shamrock seeds to its free seed list.

## Notice to Subscribers.

Subscribers not receiving their copies of the paper every week will confer a favor by notifying us promptly.

THIS season's building plans should include a commodious shed for next winter's coal supply.

A TALL ANTIRRHINUM.—In a recent issue of the Gardeners' Chronicle there is an illustration of a plant of Antirrhinum majus 10 feet high, growing in the Botanic Garden at Upsala.

THE average price of glass in the greenhouse sizes is now about \$3.50 per box, according to a prominent glass man, whose views are given at length in the Allied Trades department on page XV.

## National Sweet Pea Society of America.

ADDITIONAL PRIZES FOR 1910 EXHIBITION.

The Peter Henderson & Co.'s prize, \$10 in gold to be awarded the amateur exhibitor of the best and most distinct collection of 25 varieties of sweet peas including not less than six of the Spencer type. The number of sprays to each variety to accord with the society's rules. Also \$10 in gold to be awarded the amateur exhibitor of the two best vases of George Washington and Martha Washington sweet peas. Each vase to contain not less than 25 sprays.

The Henry F. Michell Co.'s prize, \$10 for the best three vases of sweet peas (one vase of each variety). Frank Dolby, White Spencer and Mrs. Alfred Watkins. First prize, \$5; second, \$3; third, \$2.

The C. C. Morse & Co.'s prize, a silver cup value \$25, for the finest collection of sweet peas (open to the trade only).

HARRY A. BUNYARD, Sec'y.

## Society of American Florists.

DEPARTMENT OF REGISTRATION.

As no objections have been filed, public notice is hereby given that the registration of the begonia, Glory of Cincinnati, by J. A. Peterson of Westwood, Cincinnati, O., becomes complete.

H. B. DORNER, Sec'y.

March 10, 1910.

There was a full attendance at the meeting of the executive committee at Rochester, N. Y., March 12-14, including President Pierson, Vice-President Vick, Treasurer Kasting, Secretary Dorner, Ex-Treasurer Beatty, Robert Craig, J. A. Valentine, Judge Vesey, W. N. Rudd, Geo. Asmus, John Young and Eugene Dailedouze. In addition to its usual routine, the committee indorsed the bill before the New York legislature, for which Wm. F. Kasting is largely responsible, carrying an appropriation of \$50,000 for greenhouses at Cornell university, to be used in experimental floriculture, along the lines of the Illinois State university's model pioneer plant. While a large amount of important business was transacted at the meeting, the proceedings were entirely harmonious, and the programme outlined for the convention next August is of such live interest to the trade as to attract a record gathering of old and new members.

The visitors were guests of the Rochester Florists' Association at a banquet in the Seneca hotel, March 14.

About 125 covers were spread, E. S. Osborne officiating as toastmaster. The speakers and toasts were as follows: "The S. A. F." F. R. Pierson; "The Convention," W. N. Rudd; "The Flower City," Wm. C. Barry; "The Ladies," Judge Vesey; "The Flower Show," Prof. L. B. Judson; "The Man That Holds the Bag," W. F. Kasting; "The Retailer," J. A. Valentine; "The Carnation," H. B. Dorner; "The Rose," Geo. Asmus and Prof. John Craig, of Cornell University.

## Bars Live Easter Chickens.

An Associated Press dispatch of March 16, from New York, is to the effect that the American Society for the Prevention of Cruelty to Animals has sent notice to all department stores and to bird and animal dealers that the keeping or selling of newly hatched chickens intended for Easter favors or presents is in violation of laws relating to cruelty to animals. It threatens violators with arrest.

## The Date of Easter.

Easter day is always the first Sunday after the full moon which happens upon or next after March 21; and if the full moon happens upon a Sunday, Easter is the Sunday after. It must be remembered, however, that it is not the actual moon in the heavens, nor even the mean moon of astronomers, that regulates the time of Easter, but an altogether imaginary moon, whose periods are so contrived that the new calendar moon always follows the real moon—sometimes by two, or even three days. The effect of this is, that the fourteenth of the calendar moon which had, from the times of Moses, been considered full moon for ecclesiastical purposes falls generally on the fifteenth or sixteenth of the real moon, and thus after the full moon, which is generally on the fourteenth or fifteenth day. With this explanation, then, of what is meant by full moon, viz., that it is the fourteenth day of the calendar moon, the rule is, that Easter day is always the first Sunday after the paschal full moon, i. e., after the full moon which happens upon or next after March 21. the beginning of the ecclesiastical year.

One object in arranging the calendar moon was that Easter might never fall on the same day, as the Jewish passover. They did occur together, however, on April 14, 1805; April 3, 1825; April 12, 1903; and will do so again on April 1, 1923; April 17, 1927; and April 19, 1981. The Jewish festival usually occurs in passion week, and never before March 26, or after April 25. On the other hand, the Christian festival is never before March 22, or after April 25. In 1761 and 1818 Easter fell on March 22; but neither in this nor the following century will this date recur. In 1913 it will fall on March 23, as it did in 1845 and 1856.

The latest Easter in this or next century occurs on April 25, 1943. In 1848 Easter fell on April 23; in 1859 on April 24; and in 1886 on April 25.

Easter next year, 1911, will fall on April 16, almost three weeks later than this year's festival.

A.



## Meetings Next Week.

**Detroit, Mich., March 21, 8 p. m.**—Detroit Florists' Club, Cowie building, 42-44 Gratiot avenue.

**Grand Rapids, Mich., March 21.**—Grand Rapids Florists' and Gardeners' Club, office of member.

**Hartford, Conn., March 25, 8 p. m.**—The Connecticut Horticultural Society, County building.

**Montreal, Que., March 21, 7:45 p. m.**—Montreal Gardeners' and Florists' Club, Royal Guardians building, 211 Sherbrook street, west.

**New London, Conn., March 23.**—New London County Horticultural Society, Elks' hall.

**Providence, R. I., March 21, 8 p. m.**—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street.

**Toledo, O., March 23.**—Toledo Florists' Club.

**Winnipeg, Man., March 23.**—Winnipeg Florists' Association.

## Wants, For Sale, Etc

## One Cent Per Word, Cash with Adv.

## For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

**Situation Wanted**—By young man 30 years old; married, no family; private or commercial; best of references.

W. R., 1236 Wabash-av., Chicago.

**Situation Wanted**—As gardener; private; 25 years' experience; married, no children; ready for engagement April 1; best of references. Address

MAX STERDLER,

Oconomowoc, Wis.

**Situation Wanted**—By an experienced grower and foreman of exceptional ability, to take full charge of commercial or private greenhouses; excellent references from leading concerns; west preferred, address

FOREMAN, Gen. Del.,

Omaha Nebraska.

**Situation Wanted**—By competent grower of cut flowers and potted plants in general; willing to take charge; or as foreman in an up-to-date commercial place; 26 years in the trade; middle age; single, sober. Address

Key 461, care American Florist.

**Situation Wanted**—On commercial or private place by life experienced grower of roses, carnations, mums and pot plants in general; capable of taking full charge; age 33; single; best of references please state wages and particulars in first letter. Address

CHAS. KLEINSORG,

44 S. Oak st., Kansas City, Mo.

**Situation Wanted**—As working foreman or general grower; has a thorough knowledge in all branches: roses, carnations, mums a specialty, also funeral work and decorations; west of Chicago preferred; age 40; will expect good salary; references exchanged; address full particulars in first letter.

Key 473, care American Florist.

**Help Wanted**—Man for carnations and general greenhouse work; good potter.

G. VAN BOCHOVE & BRO.,

Kalamazoo, Mich.

**Help Wanted**—A single man with some experience for a small commercial place.

LAKE NEWELL FLORAL CO.,

Newell, W. Va.

**Help Wanted**—At once—working foreman, to take charge of extensive trial gardens of a large Eastern seed house; must thoroughly understand testing and growing seeds, bulbs, etc., of all kinds, both under glass and outside; reference required; give experience and wages wanted. Address

Key 471, care American Florist.

**For Sale**—Only greenhouses in Hendricks Co. Address MRS. B. F. HOWELL, Danville, Ind.

**For Sale**—First class florist business in city of 30,000; reason for selling: other business. Key 999, care American Florist.

**For Sale**—Two greenhouses complete stock, residence in a fine city; small payment, 10 years for balance. Key 474, care American Florist.

**For Sale**—A piece of ground, 150x150, with greenhouse 22x100; no other florist within six miles. Address

Key 453, care American Florist.

**For Sale or Rent**—42,000 square feet of glass, in good location; needs partial rebuilding; rent accordingly, or will sell at reasonable price.

Key 460, care American Florist.

**For Sale**—5000 feet of glass with dwelling; no competition; a rapid growing trade; a rare opportunity for a florist of small means.

DWIGHT GREENHOUSES, Dwight, Ill.

**For Sale**—Four greenhouses and 1 acre or more of land; also house and lot next to same in one of best cities of Northern Ohio; one of firm retiring reason for selling. Address

Key 455, care American Florist.

**For Sale**—One brickset Furman boiler in good shape; 1 model No. 30-5 good as new, used two winters, very cheap if taken at once; will install larger one in place of the two.

Key 468, care American Florist.

**For Sale**—Established florist business 6000 feet of glass in good condition, stocked for spring trade; ground 100x125 feet in one the best residence districts, town of 35,000; no opposition in this part of town, 7-room house and a bargain at \$4,500.

THE CARNES GREENHOUSES,

Muncie, Ind.

**For Sale**—10,000 ft. glass in city of 1,800, in the middle west, established retail business of 25 years; close to four large cities; one of the best locations in the country to build up wholesale business; owners are engaged in other line of business and cannot give greenhouse personal attention; present owners can handle entire output of purchaser; a splendid opportunity for live energetic man. Address

Key 463, care American Florist.

**Wanted to Buy or Lease**—with privilege of buying, small greenhouse establishment, in June; have \$8,000 for first payment; Ind., Ill., Iowa, Ky., or Mo. preferred; give full particulars in first letter. Address

Key 467, care American Florist.

**Wanted**—Catalogues of Nursery stock.

C. F. SCHNEIDER,

2927 Walnut St., Milwaukee Wis.

## WANTED AT ONCE

A sober, industrious man for general greenhouse work. Wages \$14.00. Address

Key 454, care American Florist.

## Working Gardener

**Wanted**—April 1—for city in Iowa; place within three blocks of main electric car line; man who can grow vegetables and flowers and assume entire responsibility for the general work on the place. Address

Key 472, care American Florist.

## Nurseryman Wanted.

A splendid chance for a young man with a few hundred dollars to establish himself in a profitable and growing business; only one nursery within 50 miles and a large demand already created for these goods; good shipping facilities; good soil and large demand at home; man must be a hustler and have both the growing and the selling experience; full particulars will be given by addressing

JOSEPH BANCROFT & SON,

Cedar Falls, Iowa.

## Situation Wanted.

By first-class young Hollander, married, no children, four years' American experience and ten years' experience in different countries in Europe and East Indies; private situation preferred; experienced in landscape gardening and managing a private estate; also capable of managing an ornamental nursery; eastern states preferred; age 30.

Key 426, care American Florist.

## Wanted at Once.

Experienced grower to take charge of flower houses of large vegetable greenhouse establishment, 28 miles from Boston. 50,000 surface sq. feet will be devoted to carnations the coming season. Young German preferred. Must be married steady, temperate and a good willing worker. Wages to start \$45.00 per month with new 5-room house. Call or address

W. E. LENK, Supt.,  
Halifax Garden Co., Halifax, Mass.

## Foreman.

Situation wanted by 'all-around grower as foreman; A1 references.

Key 451, care American Florist.

## FOR SALE.

26,000 sq. ft. of glass, stocked with carnation plants. Also five acres of land to sell or lease.

AUGUST ERICKSON,  
3437 Foster Ave., Chicago.

## For Sale

Five acres of land and 10,000 feet of glass, seven room dwelling house, city water, two street car lines. Houses in good condition. Good reasons for selling. Price reasonable. Seven miles from Cleveland.

Key 456, care American Florist.

## HELP WANTED.

A first-class man to act as manager of a large commercial place where roses and carnations are grown; must have had experience and be competent to take full charge; good salary to right man. In answering, give full particulars as to experience, etc.

Key 470, care American Florist.

## MAN WANTED

A large retail concern doing a \$150,000 annual business in a big western city desires to engage an experienced man (preferably a man of from 30 to 40 who has had experience in the

floral business as a successful proprietor or manager) as "Overseer."

The right man will be paid a liberal salary and given deserving promotion. The position, however, is one of great responsibility. It will require his presence, in person, on the floor ten or twelve hours per day. His duties, while those of a manager in some respects, shall also include those of stock-keeper, floor-walker, etc. He

must be a man of temperate habits, good appearance and high integrity—a good manager, capable of getting maximum results from an intelligent and wide-awake sales-force. He must know "stock" from A to Z.

Write, giving fullest possible particulars, references and detailed account of your experience. Also state age and salary asked. Address Box AZ, care this paper



# ROSES, No Better Stock in the West.

Specially strong on Jardine, Maryland, Killarney, Richmond, Maids, Fields, Brides, Kaiserin.

## CHOICE CARNATIONS, Our strong point. We lead them

all, Fancy Red, White and Pink.

## EASTER LILIES, Good quality.

## VIOLETS, Home grown, single.

## BULB STOCK,

All kinds in large supply.

## GREENS,

Of all kinds.



**J. A. BUDLONG**  
WHOLESALE GROWER AND SHIPPER OF CUT FLOWERS  
37-39 Randolph Street, CHICAGO.



**Lowest  
Market Prices**

We can fill your orders when others fail, but for your protection we advise early placing of Easter orders. You'll find our service prompt. Remember we make no charge for "P & D" on orders over \$4.00.

Special Attention Given to Out-of-Town Orders.

We Satisfy Others; We Can Satisfy You.

### Chicago.

#### TRADE VARIABLE.

Shipping business was pretty erratic at the end of last week, some days being remarkably good, while others were just as dull. It is the general feeling though that, taken altogether, there is no cause for dissatisfaction. In looking forward to the end of the lenten season and the Easter demand, and keeping in view the fact that the post-Easter business does not usually slump like that after Christmas, there is every reason for an optimistic view of the situation. It is true that low prices had to be taken to move the stock. It is also true that sending out low prices by telegraph late in the day does not tend to the healthiest kind of trade or to securing early orders at other times from retailers who will wait for these "bargains." But, as one commission man delivered himself: "What are you going to do about it? The stock is here and we must make some kind of a show to our growers." That sums up the situation. There have been too many carnations of late, the commission men have been at their wits' end to move them and it does not do to question the methods too closely. Speaking of the present big carnation cut the prospects are that the Easter cuts will not be any too heavy. Several growers are already going off crop and the large number of late cuttings taken off in other places do not tend to a big cut directly after. Roses, on the other hand, will probably be plentiful and the bright weather is all in favor of the lilies.

Quite an improvement set in on Monday in the shipping trade and, although there was still a large amount of stock, in some lines, almost a scarcity developed. White carna-

# SINNER BROS.

Wholesale Florists and Growers,

**60 Wabash Ave., CHICAGO.**

We shall be in full crop for Easter  
on ALL CHOICE CUT FLOWERS.

Quality Unexcelled.

Prices Right.

tions of the best grade were good property, being much sought for dyeing for St. Patrick's day. Violets did not arrive in such large quantities and a rather better demand, induced probably by the bright weather, helped to clean them up in a way that has been quite unusual the last few weeks. In roses, American Beauty of the best quality is on the short side, but indications are for a big supply shortly. Some growers and commission men have reported themselves as sold up clean on lilies for Easter as far as the crop in sight is concerned. Speaking of the business of the previous week a well known wholesaler said that it had been a very good one as far as amount of money was concerned, but the prices on large quantities were so low that the showing to his growers would be poor in comparison. Three separate orders for 5,000 roses each kept another firm's flowers from piling up. These kind of orders and the thousand and one smaller ones, from out-of-town points, show

# WIETOR BROS.

Wholesale **Cut Flowers**  
Growers of

All telegraph and telephone orders given  
prompt attention.

**51 Wabash Ave., CHICAGO.**

what is the real secret of the market's greatness as a flower distributor. When local trade is good, of course quite a quantity of stock is used in the city, but the real standby is the shipping trade which is, notwithstanding the number of small growing places springing up everywhere in the territory served, constantly increasing. Southern reports indicate that it is quite impossible to gather wild smilax owing to the floods and there is a scarcity at present.

Shipping trade continued to increase up to St. Patrick's day and quite a scarcity of white carnations



QUALITY HIGH -- PRICES RIGHT

The stock now arriving is of the finest possible quality, the cool bright weather having been very favorable to its development. Our Growers are in full crop in the leading varieties of Carnations, Roses, Bulb Stock and all seasonable flowers. **We are Strong on Easter Lilies and Callas.**

EASTER PRICE LIST. Subject to change without notice.

| ROSES                     |                 | CARNATIONS                        |                      | ORCHIDS            |                              |
|---------------------------|-----------------|-----------------------------------|----------------------|--------------------|------------------------------|
| BEAUTIES                  | Per doz.        |                                   | Per 100              |                    |                              |
| 30 to 36 inch stems.....  | \$5 00          | Carnations.....                   | \$3 00 to \$4 00     | Cattelyas.....     | per doz. \$5 00 to \$6 00    |
| 20 to 24 inch stems.....  | \$3 00 to 4 00  | Special Fancy.....                | 5 00                 |                    |                              |
| 15 to 18 inch stems.....  | 2 00 to 2 50    |                                   |                      | MISCELLANEOUS      |                              |
| 12 inch stems.....        | 1 50            |                                   |                      | Callas.....        | per 100.. \$12 00 to \$15 00 |
|                           | Per 100         | GREENS                            |                      | Easter Lilies..... | per 100.. 12 50 to 15 00     |
| Richmond, special.....    | \$12 00         | Asparagus Plumosus.....           | per string.. \$0 50  | Valley.....        | per 100.. 3 00 to 4 00       |
| fancy.....                | \$8 00 to 10 00 | Asp. Plumosus Sprays, per bunch.. | \$0 35 to 50         | Sweet Peas.....    | per 100.. 75 to 1 00         |
| good.....                 | 5 00 to 6 00    | Sprengeris.....                   | per bunch. 25 to 35  | Tulips.....        | per 100.. 3 00 to 4 0        |
| Killarney, special.....   | 12 00           | Adiantum.....                     | per 100 1 00         | Von Sion.....      | per 100.. 2 00 to 4 0        |
| fancy.....                | 8 00 to 10 00   | Smilax choice.....                | per doz. 1 50        | Mignonette.....    | per doz.. 35 to 75           |
| good.....                 | 5 00 to 6 00    | Fancy Ferns.....                  | per 1000 2 50        | Violets.....       | per 100 . 50 to 75           |
| Chatenay.....             | 5 00 to 10 00   | Galax Leaves.....                 | per 100 1 00 to 1 25 |                    |                              |
| Bride and Bridesmaid..... | 5 00 to 10 00   | Boxwood.....                      | .50-lb. cases. 7 50  |                    |                              |
| Gate or Uncle John.....   | 5 00 to 10 00   |                                   |                      |                    |                              |
| Perle.....                | 5 00 to 8 00    |                                   |                      |                    |                              |
| Our Selection.....        | 4 00            |                                   |                      |                    |                              |

VAUGHAN & SPERRY, 52-54 Wabash Ave., Chicago  
L. D. Phone, Central 2571

KYLE & FOERSTER,

W. P. KYLE. 51 Wabash Ave., CHICAGO. JOSEPH FOERSTER. Wholesale Florists. L. D. Phone Randolph 3619. CHICAGO.

WEILAND & RISCH  
WHOLESALE  
CUT FLOWERS  
SHIPPERS  
59 WABASH AVE.  
CHICAGO  
PHONE CENTRAL 679

developed. The demand for dyeing, so far from falling off, increased greatly over that of last or any previous year, and several wholesalers were sold out long before they had filled their orders. Prices in all lines stiffened and good stock of any kind was firmly held by those fortunate enough to have it. American Beauty roses of the best grades were not any too plentiful, and were in the hands of one or two of the principal growers. Short and medium were plentiful. The rose stock is in splendid order, Kaiserin and Mrs. Marshall Field appearing among the offerings. Store spring openings were responsible for considerable quantities of flowers being used.

NOTES.

E. F. Winterson is showing a fine line of cut flowers in all the popular varieties also good Easter plants, such as rambler roses, lily of the valley, azaleas, spiraeas and Boston ferns. Ed can evidently stand a joke as well as give one. We noticed a placard over his counter, probably prepared by some facetious retailer, reading: "President Taft will speak here today on 'Red Violets.' All are welcome."

By the look of the stock at the store, Vaughan & Sperry will be able to take care of all orders entrusted to them, and they report their growers will be in especially good crop for Easter. Among the leaders this week we noted especially good Killarney, White Killarney, Bride and Bridesmaid roses. Pot lilies for Easter will also be a leader here and good cut lilies will be plentiful.

Bassett & Washburn are among the fortunate ones who will be in with a

E. C. AMLING  
THE LARGEST,  
BEST EQUIPPED,  
MOST CENTRALLY LOCATED  
WHOLESALE  
CUT FLOWER HOUSE  
IN CHICAGO.  
32, 34, 36 RANDOLPH STREET,  
CHICAGO.  
L. D. 'Phones Central 1978 and 1977.

Quality Counts..  
Let us have your next order for  
Roses and Carnations  
and other Seasonable Flowers.  
JOHN KRUCHTEN,  
51 Wabash Ave., CHICAGO.

big crop of Beauties for Easter, the cut just starting. Large quantities of long-stemmed flowers are arriving daily and all the other roses are producing well. The shipping demand here has been exceptionally heavy of late and Mr. Washburn says their demand for white carnations for St. Patrick's day was by far the largest on record.

Nic Miller, of the J. B. Deamud Co., made a very successful trip among the Michigan growers last week. He secured a big supply of lilies for Easter for his house, both in pots and cut, and roped in several growers of cut flowers so the "busiest house" will be able to take the best care of its patrons for Easter along these lines.

Good lilies and carnations have been the features of a very busy week at E. H. Hunt's.

KENNICOTT BROS.  
COMPANY  
WHOLESALE CUT FLOWERS  
48-50 Wabash Ave., Chicago  
L. D. Phone, Central 466.  
We will have anything in the line of  
CUT FLOWERS and GREENS  
that you may want if anybody has it, at  
Chicago market prices on day of shipment.

CHAS. W. McKELLAR,  
51 Wabash Ave.  
CHICAGO.  
ORCHIDS  
A Specialty  
Fancy Stock in Pconies,  
Valley, Roses, Beauties,  
Carnations and a full line  
of all Cut Flowers, Greens,  
Wire-Work and Florists'  
Supplies.  
Send for Complete  
Catalogue.

HOERBER BROS.  
Wholesale Growers of Cut Flowers,  
Telephone Randolph 2758.  
Greenhouses: DES PLAINES, ILL.  
Store: 51 Wabash Avenue, CHICAGO



# EASTER LILIES

Finest quality Giganteums, \$15 00 per 100, \$125.00 per 1000.

**Beauties,** A full supply in all lengths; Quality the best.

**Carnations,** White, red and pink, fine flowers, good stems. A grand lot at right prices.

**Roses,** White Killarney, Killarney, Richmond, My Maryland, Bride, Maid and all other popular varieties. The best the market affords.

**Violets, Valley, Bulb Stock, Daffodils, Tulips, Narcissus.**

## A. L. RANDALL CO.,

WHOLESALE FLORISTS,

Long Distance Phone Central 1496.  
Private Exchange all Departments.

19-21 Randolph St., CHICAGO.

The sympathy of his many friends in the local trade will be extended to Clement A. (Gus) Alles of the Wietor Bros.' force, on account of the death of his father, Nicholas Alles, which occurred at his home, 1692 Devon avenue March 13, from dropsy. Mr. Alles had been more or less sick for six years but his wonderful constitution and vitality kept him going and he was playing the organ at St. Henry's church, where he was organist, on Thursday of last week. He was of German birth, came to this country 45 years ago and married here, his wife, three sons and one daughter surviving him. The funeral services were at St. Henry's church on Wednesday and the interment was at the cemetery adjoining the church.

Poehlmann Bros. Co. is cutting an average of 3,000 Beauties per day now, many of them long stemmed and all of them of good quality. Lilies are also being shipped in from the green-houses in large quantities and in fine condition. My Maryland roses are superb here, as indeed are all the varieties now coming in.

Kaiserin and Field roses are appearing among the stock at J. A. Budlong's and these make quite a pleasing variety. Out-of-town trade here claims most of the attention of the sales force, orders having been heavy during the week. The stock, as usual, is of the finest possible quality.

On Friday of last week Kyle & Foerster's place looked like the shipping room of a big factory. They had an extremely busy week end in shipping trade packing and sending out immense quantities of the best class of stock, carnations, roses, lilies and violets being the leading items.

Peter Reinberg has been receiving magnificent White Perfection carnations in large quantities all the week, as well as other varieties. This house certainly has the goods all right and no orders, large or small, will be turned down for Easter. The roses are also exceptionally good.

Hoerber Bros. are showing some of the finest Bride and Bridesmaid roses of the season. Bridesmaid will not be so heavily grown at the Desplaines plant the coming season, but large plantings of White Killarney will be made. George Pieser resigned his position here March 11.

Zech & Mann report business brisk and it should be with the excellent

## EASTER GREETINGS

To All My Friends and Patrons.

**Geo. H. Augermueller,**

1324 PINE STREET, - - - ST. LOUIS, MO.

## Riessen Floral Co.

21 South Broadway, ST. LOUIS, MO.

Both Phones.

Wire or Phone Orders

stock they are showing. Roses, bulb stock and lilies, all of good quality, have been leaders. Geo. Pieser, late of the Hoerber Bros.' force, is now with the above firm.

Further portions of the Garfield park conservatory have to be reconstructed at a cost of \$56,122 and the contract for this house, in 1907, was \$185,000, repairs since then having made the total \$259,122.

President August Poehlmann, of the American Rose Society, left by the 10:30 a. m. limited over the Pennsylvania, March 14, for New York, to attend the annual meeting and exhibition of the society.

Hauswirth had the professionals' floral piece for the funeral of Jake Schaefer, the billiard player, March 13. It was a billiard table in red and white carnations, two feet by four feet and 15 inches high.

Winterson's Seed Store received a heavy consignment of Holland nursery stock this week, consisting of boxwoods, ampelopsis and various shrubs and trees. Trade in seeds is starting in well.

John Mangel has been busy with funeral work and one fine wreath noted, of My Maryland roses over galax, was very beautiful. John buys the finest quality stock and handles a lot of it.

Miss Gunterberg, of the Flower Growers' Market, has been handling large quantities of white carnations and also reports that her specialty—violets—have cleaned up much better of late.

Wm. Abrahamson, formerly a commission buyer on this market, but now of Denver, Colo., filed a petition in

bankruptcy, February 22. He is stated to have no assets.

The Horticultural Society's preliminary premium list is out and copies may be had on application to Secretary J. H. Burdett, 1620 W. 104th place, this city.

Edward Amperpohl has been looking up Easter stock. He reports trade good at Janesville, Wis., and bedding and cut flower stock coming along in great shape.

John Sinner, of Sinner Bros., says that trade has picked up considerably during the week, especially the out-of-town shipping business.

Exceptionally good sweet peas were one of the leaders at E. C. Amling's this week and Easter lilies have been showing up in fine form.

John C. Behrer, accountant at Vaughan's Seed Store, is democratic candidate for alderman in the Seventh ward.

Adolph Malchow is rejoicing in the arrival of a boy at his home March 10. Mr. Malchow reports business good.

B. O'Neil was in town this week looking things over for Easter. He reports trade at Elgin as excellent.

Andrew McAdams and wife expect to reach home next week.

Visitors: J. A. Valentine, Denver, Colo.; H. B. Dornier, Urbana; A. R. Leidiger of Edlefsen and Leidiger, Milwaukee, Wis.; E. Amerpohl, Janesville, Wis.; V. Gorly, of Grimm & Gorly, St. Louis, Mo.; R. J. Windler, St. Louis, Mo.; Martin Reakauf, representing Bayersdorfers, Philadelphia, Pa.; James Aldous, Jr., and wife, Iowa City, Ia.; B. O'Neil and Fred Plagge, Elgin.



# You Run No Risk

In letting us book your order **Now**. If prices fall you will get the benefit. If they rise we charge you current prices on date of order. We are strong on

## ROSES

Killarney, White Killarney, Bride, Maid, My Maryland, Richmond. All first-class stock, the best in this or any other market.

## CARNATIONS

Plenty of white, red and pink in all the best varieties. No better stock to be had anywhere.

**BULB STOCK, Tulips, Narcissus, Valley, Jonquils** all in first-class order.

**GREENS** of all kinds.

We give personal attention to every order and this careful service counts. We shall be glad to hear from you for today's shipment or for Easter

# ZECH & MANN,

WHOLESALE FLORISTS,  
Long Distance Phone Central 3284  
51 Wabash Avenue,

# Chicago

**Wire or Phone. All Orders Promptly Filled.**

# YOUNG & SONS,

1406 Olive Street, ST. LOUIS, MO.

**Everything for the Garden.**

### St. Louis.

#### TRADE FAIR.

The weather the past week has been beautifully clear, neither too cold nor too hot. Carnations have held up well. White has been in demand. Roses, too, have not been over plentiful but a good supply is expected for Easter. From reports we believe that many lilies will not arrive on time for Easter and that quite a large number will reach the market a week to 10 days late. The cool bright weather has helped violets some.

#### NOTES.

Miss Hilda Damann, for 17 years in the employ of C. Young & Sons Co., is to be married to Mr. Monk in the near future. Miss Marguerite Killian, the pretty typewriter at C. Young & Sons Co., is reported to be in the matrimonial list also. Jim Young seems to run a matrimonial bureau in connection with his floral establishment.

The Florists' Protective Association will meet again this week. The retailers are anxious to protect their rights and they desire the co-operation of all those who are desirous of raising the trade to its very highest level to cut out all objectionable ways of going after business.

Mrs. E. K. Diemer is now, since the death of her husband, manager of the Diemer Floral Co., assisted by two able assistants. She will put in a fine stock of flowering plants for Easter. She is doing a splendid trade.

The Florists' Club met last Thursday, over 20 members being present.

# Easter Lilies

Fine  
Stock.

We expect to cut 25,000 to 30,000 blooms. Prices, cut \$12.50 and \$15.00 per 100; pot plants, per bud, \$16.00 per 100.

We have them in single pots and pans, three and five bulbs to a pan. Fine clean stock. We can ship now, plants in bud, that will be just right for Easter.

Cash with order or satisfactory reference.

## MIAMI FLORAL CO., 24 North Main Street, Dayton, O.

Resolutions were passed on the death of Mr. Van Hook, who died suddenly last Monday and sympathy was extended to the family.

F. H. Weber's store is a beautiful sight and he is always busy. He was putting up some fine mantel decorations during the past week and will have a fine supply of lilies and other plants.

Henry Lawrence, of the Park Floral Co., who has been on the sick list for some time, is now again in harness and down at the store attending to his duties.

Geo. Angermueller expects a fine lot of flowers for Easter. He is receiving some fine Harrisii and callas, also fancy grade roses.

## Diemer Floral Co.,

1805 S. Broadway, St. LOUIS, Mo.

Cut Flowers, Funeral Designs, Decorations, Bouquets, Plants, Wedding Bouquets, Metal Wreaths, Straw Flower Designs, Art Palms, Flower Baskets, Shells, Grass Seeds, Flower and Vegetable Seeds and Bulbs, Gold Fish and Globes, Aquarium, Jardiniers, wholesale and retail.

Phones: Bell Sidney 142; Kin, Central 2457.

W. J. & M. S. Vesey, Fort Wayne, Ind., are shipping some fine Harrisii lilies and callas to this market.

Miss May Burns has had charge of the flower booth at the trades display at the coliseum.

Red Bud Floral Co., at Union Market is fixing up with a new show case and ice box combined. W. F.



Phone 2336 Madison Square.

# KESSLER BROS.

50 West 28th St., NEW YORK.

Wholesale Plantsmen, Will Offer for Easter

A Very Choice Collection of Flowering  
and Foliage Plants.

We deal exclusively in **Plants** and can ship to all points on short notice.

**Consignments Solicited.**

**Satisfaction Guaranteed.**

The Brooklyn Wholesale Cut Flower Market Red Hook Lane & Fulton St.,  
Plants and Cut Flowers for Easter,  
In Nassau Trust Building. **BROOKLYN, N. Y.**

Telephone 1813 Main

## Philadelphia.

### EASTER PREPARATIONS.

The time of the storekeepers the past week has been mostly taken up looking up plants for their Easter stock. The help in the meantime have had plenty of opportunity to get the places in order and make room for extensive displays, as the business has been very light. There is, with the exception of American Beauty roses, great quantities of everything and prices rule low. The principal things in demand are pink roses, sweet peas and bulbous stock. The first of the southern daffodils arrived the past week; they were Princeps and sold at from \$4 to \$5 per 1,000. Southern arbutus is also in and sells well at from \$1.50 to \$2.50 per dozen bunches. It is a great favorite with buyers and the street men readily pay as much or even more than the store men for it. It is said that Easter lilies will be scarce for next week's delivery. This refers to both pots and cut. There is one thing certain, there is an abundance of very short stock about, so many of the growers not being able to get the plants over 12 inches above the pots. This is particularly true of the Giganteums, which are very short with almost everyone. These will make very poor stock for cutting, as the store trade requires stems of from 18 inches to two feet or over. Hydrangeas are also very short, the hard forcing seeming to have retarded their growth. The dealers hereabouts are a little nervous as to laying in a large stock on account of the unsettled condition of the street car strike. While the accounts spread broadcast by the papers over the country are very high colored and exaggerated, as the streets have not been running with blood, and there has been comparatively little disorder except by a few rowdies who have broken car windows, there is a spirit of unrest owing to the sympathy strike of other trades. For instance, the plumbers are mostly out and quite a number of other mechanics in trades which have been unionized. The cars are running fairly well now and there is very little disorder and it is hoped it will be settled before next week.

## Special Announcement

In addition to several consignments of **Nursery Stock** from leading oreign and domestic growers we will offer

# AT AUCTION

A collection of Easter Plants in all varieties  
Begining at 10:30 prompt.\*\*\*

## Tuesday, March 22,

Continuing at the same hour every day to and  
including Saturday, March 26.

Special Catalogues on Application.

## The Fruit Auction Co.,

202-204 Franklin Street.

**NEW YORK.**

Corner Washington Street.

Tel. 1512 Franklin.

Horticultural Dept., J. P. Cleary, Mgr.

P. O. Box 640.

Sales regularly throughout the season. Correspondence invited.

### EASTER PLANTS AT HARRIS'.

One of the show places at this season is that of Wm. K. Harris. We question if there is an establishment in this country where such uniformly good stock in such quantity and great variety as is seen here. It was always the pleasure of the late Wm. K. Harris to have his friends and the neighbors for blocks around come and enjoy what to them was a great treat. The establishment was always fixed up for these visitors on Palm Sunday. All the orders to go out on Monday were selected on Saturday and arranged along the sides of the great packing shed 30 feet wide by 300 feet in length. This made a great floral avenue, off which the greenhouses opened on the right and left. Last

season it was estimated that over 8,000 people passed through the houses and viewed this beautiful display. The feature of the stock this season is the azaleas, of which there is an immense variety of plants in all sizes. They are a very fine lot well budded. All the best commercial sorts are seen, a number having been imported in the spring, particularly those that set buds better here than in Europe.

Other features are hydrangeas, which are always well done. A number of very well colored blue ones are much in demand. Deutzias are also a feature and are flowered extremely well, every branch being loaded with buds. This is made possible by the late summer and fall treatment. There are several houses of lilies which grade



# CUT FLOWERS For Easter

THE LEO NIESSEN CO.,

We will fill your order in a satisfactory manner. We have the stock as well as the facilities for handling a large holiday business. You can depend on our service. Price list and quotations on request.

Business Hours: 7 a. m. to 8 p. m.  
Wholesale Florists, 1209 Arch Street, Philadelphia, Pa.

## American Beauties

Lily of the Valley, Carnations and all Tea Roses,  
In lots of one hundred to one thousand. Phone or wire us.  
226  
WELCH BROTHERS, Devonshire St. Boston, Mass.

## Grafted and Own Root Rose Plants

Killarney, Richmond, My Maryland, White Killarney,  
(Waban strain), Kaiserin, Bride and Bridesmaid  
— Send for Prices —  
W. H. Elliott, Brighton, Mass.

### Pittsburg Florists' Exchange

Wholesale Cut Flowers  
Everything Seasonable

Headquarters for Ferns, Galax, Leucothoe and Wild Smilax, and carry a large supply of the best on hand at all times. We quote the following interesting prices on small or large quantities.



Ferns, fancy and daggers, \$1.25 per 1000  
Galax, green and bronze 65c per 1000.  
Leucothoe, green and bronze 65c per 100.



Wild Smilax, large cases, \$4.50 per case.

15 Diamond Square, PITTSBURG, PA.

## John Jansky,

WHOLESALE DEALER IN FLORISTS' SUPPLIES,  
19 Province Street, BOSTON, MASS.

### Complete Line of Florists' Supplies

Lowest prices on Wire Frames for Florists.  
Moss, Laurel, Galax, Etc.

— Send for Price List —

|                                 |                                             |                                          |
|---------------------------------|---------------------------------------------|------------------------------------------|
| Hardy Ferns<br>\$1.25 per 1000. | LAUREL ROPING<br>Special Price 5c per yard. | Galax,<br>90c per 1000; \$7.00 per case. |
|---------------------------------|---------------------------------------------|------------------------------------------|

— THE —

## J.M. McCullough's Sons Co.,

Wholesale Commission Florists.

— CONSIGNMENTS SOLICITED. —

Special attention given to Shipping Orders.

—

Jobbers of FLORISTS' SUPPLIES  
SEEDS and BULBS.

Price List on Application.

—

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

## The McCallum Co., Inc.

“WE HAVE THE STOCK”

Qualities Best.  
Prices Right.

937 Liberty Ave., Pittsburg

## Pittsburgh Cut Flower Co.,

Wholesale Florists and Growers,  
The House that has and sells good goods at fair prices.  
Salesrooms, 222 Oliver Ave. PITTSBURGH, PA.

very high. A bench of the true Harrisii, some of the original stock or strain, is kept for stock in an endeavor to secure sufficient for the needs of the place. It is absolutely without disease. Bougainvilleas, some very large specimens, are seen with their vases of colored flowers, one of these graceful masses of color is a decoration in itself. Rhododendrons are also seen in quantity amongst them some very large specimens. There are two large houses of gardenias in from 6 to 10-inch pots. The bushy 6-inch stock with from eight to twelve buds and some open flowers should sell almost on sight. We have never seen them done so well before. Genistas, spireas and small blocks of other Easter plants in which Baby and Crimson Rambler roses, several full houses of them, figure, make up what is truly a magnificent Easter stock.

J. William Colflesh, proprietor of the Merriheights Nurseries, is very proud of his collection of Easter stock. His specialties are azaleas, daisies, cinerarias and bulbous stock. His strain of cinerarias, much of it from crosses of his own, is very fine. There is also a good batch of Easter lilies, hydrangeas and spireas.

### Choice Assortment of CUT FLOWERS will be found here.

WRITE FOR PRICES.

## W. E. McKissick & Bros.

WHOLESALE FLORISTS.

Business Hours 7 a. m. to 8 p. m. 1619-1621 Ranstead St., PHILADELPHIA, PA.

Absolutely  
The Best Possible  
Service.

## Weiland & Olinger

128 E. Third St., CINCINNATI, O.

### Wholesale Growers and Shippers of Cut Flowers.

George Anderson has his usual large stock of Easter lilies and a good lot of hydrangeas and spireas. K.  
Robt. Craig passed the sixty-third milestone March 18.

PEORIA, ILL.—H. C. Otto intends to add several new greenhouses later in the season.

## RICE BROTHERS

Wholesale Florists and Supplies.  
115 N. 6th St., MINNEAPOLIS, MINN.

Cut Flowers received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities. Mention the American Florist when writing.

## THE MUNK FLORAL CO.

Wholesale Growers of  
CUT FLOWERS  
Columbus, Ohio  
Mention the American Florist when writing



# AUGUST MILLANG,

WHOLESALE FLORIST

## Easter Flowers and Plants

The Very Best In Full Assortment.

41 West 28th Street,

'Phones: 3860 3861 Madison Sq.

Here to Stay.

NEW YORK.

Give Us A Call.

# Bonnet & Blake, Wholesale Florists,

Phones 1203, 1204 Main

130 Livingston Street, BROOKLYN, N. Y.

Lilies, Carnations, Roses and other Easter Stocks.

Out of town orders promptly filled.

Prices right.

New York.

TRADE SLOW.

Business was slow throughout the most of last week. Monday was a fair day, but by Wednesday trade was in a rut, and remained so until Saturday, when there was another slight revival. The volume of stock is increasing and present conditions of clear sunshine promise to bring in much more of it at an early date. American Beauty roses are more plentiful and prices are falling. Other stocks are plentiful. A feature of the market is the poor quality of violets that are arriving. We have heard no satisfactory explanation of this. The weather has not yet been warm enough to hurt the crop but the fact remains that many violets are small and have a sickly appearance.

THE ROSE SHOW.

The exhibition and meetings of the American Rose Society at the American Museum of Natural History made this a busy and interesting week. The first meeting opened March 16 at 7:30 p. m.

NOTES.

Growers, wholesalers and retailers are all looking forward with keen anticipation to Easter. It seems certain that there will be fine stock of cut flowers and plants. The wholesalers are chiefly interested in the cut flowers. Traendly & Schenck will come out strong with orchids and roses. H. E. Froment will handle a heavy cut of roses and other seasonable flowers. Ford Bros. are specialists in roses and carnations. Alfred H. Langjahr states that he will handle a cut of lilies running well up to 100,000 flowers.

It is the plans of the dinner committee of the Florists' Club to make the annual dinner on the night of March 17, when the members of the Rose Society will be entertained, an elaborate and interesting event. Chairman Sheridan of the committee is very thorough and capable in all he undertakes and he has a good committee. John B. Nugent, Jr., will look after the music and promises a fine programme.

Kamakiehi Suzuki, of the Yokohama Nursery Co., is spending a month in this city with headquarters at the Barclay street offices of his com-

# FORD BROS.

48 West 28th Street, New York

Telephone: 3870-3871 Madison Square,

## THE BEST EASTER STOCK

American Beauty and all other Roses.

Carnations of the best quality.

Cut Lilies, White Violets, and all other seasonable stocks.

All the stock we handle comes from **FIRST-CLASS GROWERS.**

pany. He will attend the Anglo-Japanese exhibition which opens in London early in the season. Chas. Loechner, of this company, who has been in the Norwegian hospital, Brooklyn, since Christmas, with a broken leg, has so far recovered as to be able to leave the hospital, but has not yet got back to business.

John P. Cleary, manager of the Fruit Auction Co.'s horticultural department recently returned from his annual European trip among the nurseries. He is now ready for a strenuous business season and reports having received much business from leading growers of Holland, Belgium and England. His company is prepared for a big Easter business and has been holding auctions this week, March 14 excepted.

Julius Roehrs, Sr., of Rutherford, N. J., who has spent a part of the winter seeing southern climes, has returned home in fine health and spirits.

### New York Florists' Club.

The regular monthly meeting of the Florists' Club was held in the Grand Opera house building on the night of March 14, President Miller in the chair. Walter F. Sheridan, chairman of the dinner committee, made a comprehensive report. As previously noted, Patrick O'Mara will be toastmaster, and John B. Nugent, Jr., has arranged for an elaborate musical programme. Appropriate resolutions on the death of Mr. Scott, father of C. W. Scott, a member of the club, were read and approved.

Harry Bunyard reported for the outing committee, that the annual outing of the club will be held at Witzel's Point View Grove on July 1. The steamer Isabel will convey the excursionists to the grove. A. Hanig, of Brooklyn, was elected a member of the club. Chas. Krick, of Brooklyn, was nominated for membership. Secretary



1887

**J. K. ALLEN,**

Open Every Morning at 6 a. m.

Telephone 167 Madison Square.

**Wholesale Commission Florist,**

Established 1887.

106 West 28th Street,

NEW YORK CITY.

1910

Open the year around to receive shipments of Cut Flowers.

Prompt Returns To Shippers

**A. L. YOUNG & CO.,** 54 W. 28th St., and Manhattan Flower Market, 46 W. 28th Street, NEW YORK  
 Tel. 3559 Mad. Sq., Telephone 1016 Madison Square.  
**WHOLESALE FLORISTS.** Consignments of Choice Cut Flowers Solicited. Prompt Payments. Give Us a Trial

**Traendly & Schenck,**

**WHOLESALE FLORISTS,**

44 WEST 28th STREET.  
 Phones, 798 and 799.

**NEW YORK.**

**CHARLES MILLANG** **Wholesale Florist**

On the ground floor of New York Cut Flower Co.  
 and Cut Flower Exchange,  
 26th Street and 6th Avenue and  
 444 6th Avenue, **NEW YORK**

Open from 6 a.m. to 6 p.m. The "Hub" of the Wholesale District.

**Young & Nugent,**

Telephone 2065-2066 Madison Square.

42 West 28th Street,  
 To out-of-town florists  
 We are in the Heart of **New York**

And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

**Alexander J. Guttman,**  
**THE WHOLESALE FLORIST OF NEW YORK**

34 WEST 28th STREET,  
 PHONES, 1664-1665 MADISON SQUARE  
**ENOUGH SAID.**



Give us a Trial.  
 We can Please you.

Roses, Carnations and all kinds of  
 Seasonable Flowers in Stock.

**WM. F. KASTING CO.** Wholesale  
 Commission Florists.  
**BUFFALO, N. Y.**  
 Florists' Supplies and Wire Designs.

**Wholesale Flower Markets**

| NEW YORK, Mar. 16.                        |             |
|-------------------------------------------|-------------|
| Roses, Beauty, special.....               | 40 00@50 00 |
| "    "    fancy.....                      | 25 00@30 00 |
| "    "    No. 1.....                      | 15 00@20 00 |
| "    "    No. 2.....                      | 3 00@ 5 00  |
| "    "    Bride, Bridesmaid, special..... | 6 00@ 8 00  |
| "    "    extra and fancy.....            | 3 00@ 5 00  |
| "    "    Killarney, special.....         | 8 00@10 00  |
| "    "    extra and fancy.....            | 6 00@ 8 00  |
| "    "    No. 1 and No. 2.....            | 2 00@ 4 00  |
| "    "    My Maryland.....                | 4 00@10 00  |
| "    "    Richmond.....                   | 3 00@15 00  |
| Carnations.....                           | 50@ 2 00    |
| Callas.....per doz.,                      | 1 00@ 1 25  |
| Cattleyas.....                            | 25 00@60 00 |
| Gardenias.....per doz.,                   | 1 25@ 3 50  |
| Hyacinths.....                            | 1 00@ 1 25  |
| Lilium Longiflorum.....                   | 5 00@10 00  |
| Lily of the Valley.....                   | 1 00@ 2 50  |
| Mignonette.....per doz.,                  | 25@ 1 00    |
| Sweet Peas.....per doz, bunches,          | 50@ 1 00    |
| Violets.....                              | 25@ 40      |

| BUFFALO, Mar. 16.                     |             |
|---------------------------------------|-------------|
| Roses, Beauty, special.....           | 5 00        |
| "    "    fancy.....                  | 4 00        |
| "    "    extra.....                  | 3 00        |
| "    "    Bride, Maid, Killarney..... | 4 00@12 00  |
| Carnations.....                       | 1 50@ 3 00  |
| Callas.....                           | 10 00@12 00 |
| Daffodils.....                        | 2 00@ 4 00  |
| Daisies.....                          | 1 00@ 1 50  |
| Hyacinths, Romans.....                | 2 00@ 3 00  |
| Jonquils.....                         | 3 00@ 4 00  |
| Lilium Longiflorum.....               | 12 00@15 00 |
| Lily of the Valley.....               | 3 00@ 4 00  |
| Mignonette.....                       | 2 00@ 4 00  |
| Myosotis.....per bunch                | 25          |
| Ferns.....                            | 2 00        |
| Galax.....                            | 1 50        |
| Leucothea.....                        | 75          |
| Boxwood.....per case,                 | 7 50        |

**Moore, Hentz & Nash,**

**WHOLESALE COMMISSION FLORISTS**

55 and 57 West 26th Street,  
 Telephone No. 756  
 Madison Square. **NEW YORK.**

Mention the American Florist when writing

**HORACE E. FROMENT**

**WHOLESALE COMMISSION**

American Beauty Roses a specialty. Roses,  
 Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., **NEW YORK CITY**  
 Telephones: 2200 and 2201 Madison Square.

**Walter F. Sheridan**

**WHOLESALE FLORIST,**

Telephones: 3532 and 3533 Madison Sq.  
 39 West 28th St., **NEW YORK.**

— FLOWERS SHIPPED BY —

**JOHN I. RAYNOR**

Are the best product of the best growers  
 for the New-York market.

Adiantum Crowcanum sold here exclusively.

49 West 28th St., **NEW YORK**  
 Telephone 1998 Madison Square.

**KESSLER BROS.**

50 W. 28th St., **NEW YORK.**

**CUT FLOWERS**

**Wholesale Plantsmen and Florists.**  
 Phone 2336 Madison Shipments Everywhere.  
 Prompt and satisfactory. Consignments solicited.

**August Millang**

**WHOLESALE FLORIST**

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**N.Y. Cut Flower Exchange**

Coogan Bldg., 6th Ave. & W. 26th St., New York.  
 Open for Cut Flower Sales at 6  
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Desirable Wall Space to Rent for Advertising.

**V. S. DORVAL,** Secretary.

**B. S. Slinn, Jr.**

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 Telephones: 4620 4621 3864 Madison Sq.

**VIOLETS** **CARNATIONS**  
**AND ROSES**

Shipping Orders Receive Prompt Attention.

John Young was absent for the first time in 20 years, and the club voted him a vacation of one day with full pay. A telegram announcing this was sent to Mr. Young.

**FORD BROS.,**

Receivers and Shippers of  
**Fresh Flowers**

48 West 28th St., **NEW YORK.**  
 Telephone 3870-3871 Madison Square.

**ALFRED H. LANGJAHR**

**WHOLESALE FLORIST,**

55 W. 28th Street, **NEW YORK.**

All flowers in season. Consignments of  
 class stock solicited.

Phones 4626 and 4627 Madison Square



## Closing Out

Galax, Leucothoe, Etc.

We have one million **Bronze Galax**, All quality that must be placed at once; a big lot of green and bronze **Leucothoe**, **Fancy and Dagger Ferns**, **Green Galax**, etc. Our goods are strictly up to the standard, and we guarantee satisfaction.

Those interested in goods of this kind for storage will do well to write us. We will make the price just right.

Write us now, as this advt. will not appear again.

T. J. RAY & CO., ELK PARK, N. C.

## Greens! Greens! Greens!

**Boxwood**, per case, 50 lbs., \$6.00; 100 lbs., \$11.00  
**Leucothoe Sprays**, per 100, 50c; per 1000, \$4.00.

**Galax**, green and bronze, per 1000, 75c; per case 10,000, \$6.00.

**Wild Smilax**, per 50-lb. case, \$5.00; 2 case lots, \$9.00; 4 case lots, \$16.

**Smilax**, per dozen strings, \$1.50.

**Fancy Eastern Ferns**, per 1000, \$2.00; 5,000 lots, \$8.00.

**Green Sheet Moss**, per bundle, \$1.00.

**Sphagnum Moss**, per bundle, \$1.00.

## William Murphy,

Wholesale Commission Florist.

L. D. Phone M 980. 311 Main St., Cincinnati, O.

## WILD SMILAX

For Easter 50-lb. cases \$2.00

Dagger Ferns by the million in season.

Write or wire.

D. S. CRUM, Pine Apple, Ala.

Perpetuated and Natural Sheet

## MOSSSES

Southern Wild Smilax:

E. A. BEAVEN, Evergreen, Ala.

## Wholesale Price List

Galax, Ferns and Leucothoe.

Direct from the woods to the dealer.

**Galax**, green and bronze, 50c per 10 0; **Ferns**, dagger and fancy, \$1.00 per 1000; **Green Leucothoe Sprays**, regular lengths \$2.00 per 1000; 10 to 15-in. \$1.00 per 1000; Special prices on lots of 10,000 and up. Terms strictly cash, f. o. b. Elk Park, N. C.

North Carolina Evergreen Co., Banners Elk, N. C.

Minneapolis.

The Minneapolis Floral Co., of which the jovial John Munson is the proprietor, has a range of 225,000 square feet of glass, in which is grown roses, carnations, bulb stock, greens, palms and spring stock for bedding. Carnations planted number 5,000, consisting of Enchantress, Lawson, Beacon and Winsor. Roses are Richmond, Killarney, White Killarney, Kate Moulton, Chateaux and Bride. Pot stock for Easter consists of lilies, azaleas, hydrangeas, rambler roses, spireas, rhododendrons, standard snowballs, apples and Japanese peaches; also tulips, valley and narcissus. A fine collection of stock which in quality cannot be surpassed has given John a smile which we hope will never come off.

The greatest flower show ever seen in the northwest is what President Theodore Wirth promises for the first annual exhibition of the Minnesota State Florists' Association to be given in the Armory in November. The show comes to this city because this city promised a guarantee fund of \$15,000



FANCY



DAGGER

## New Crop Hardy Cut Ferns

First Quality, \$1-25 per M.

ALSO DEALERS IN

## Baled Spruce for Cemetery Use

BOUQUET GREEN, SPHAGNUM MOSS, Etc.

L. B. BRAGUE & SON,

Oldest, Largest and Most Reliable Dealers in the United States.

Hinsdale, Mass.



FANCY.

## Henry M. Robinson & Co.

Wholesale Commission Florists.

Cut Flowers of all kinds, Hardy Cut Evergreens and Florists' Supplies.

Dagger and Fancy Ferns ..... \$1.50 per 1000

Bronze and Green Galax ..... \$1.00 per 1000; 8 50 per 10 000

Leucothoe Sprays ..... \$1.00 per 100; \$7.50 per 1000

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays,

A large stock constantly on hand. Can fill orders at a moment's notice, Telephone or telegraph.

Telephones: 2617-2618 Main; Fort Hill 25290.

15 Province Street and 9 Chapman Place,

BOSTON, MASS.



## FANCY FERNS, \$1.75 per 1000

New Crop Galax, Bronze or Green.....\$1.25 per 1000; 10,000, \$7.50

Sphagnum Moss, large bales.....\$1.25; 6 bales, \$7.00. Extra fine

Leucothoe Sprays, Green and Bronze.....\$1.00 per 100; \$7.50 per 1000

Boxwood..... per bunch, 35c; 50-pound case, \$6.50

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

## MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists and Florists' Supplies,

38-40 Broadway,

All phone connections.

DETROIT, MICH.

## HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

## George Cotsonas & Co.

Wholesale and Retail Dealers

in all kinds of

Evergreen

Fancy and Dagger

Ferns, Bronze and

Green Galax.

Phone 1202 Mad, Sq.

MainStore, 50 W. 28th St., NEW YORK.

## New Crop Ferns

FANCY and DAGGER ready May 1st.

Special price for large orders

Price \$1.25 per 1000.

CALDWELL THE WOODSMAN CO.,

Evergreen,

Alabama

against \$2,000 offered by St. Paul. Persons interested in floriculture subscribed \$11,000 and the public affairs committee of the Commercial club made up \$4,000. The first show was to be in the city that would offer the largest guarantee fund. Succeeding shows will alternate between this city and St. Paul. More than \$3,000 will be offered in premiums, and exhibits are expected to come from many states.

An accumulation of bad debts is said to have been responsible for the

## C. A. KUEHN, Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

## WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Both L. D. Phones. Supplies and Everything in Season always on hand

## H. G. BERNING,

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

petition in voluntary bankruptcy filed by James Souden, of 833 Hennepin avenue. He was adjudicated a bankrupt. His liabilities are \$7,087.85, of which \$5,758.84 was unsecured claims. His assets are \$3,265.72, of which \$1,501.47 are debts on open account.



# DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

**Alexander McConnell,**  
571 Fifth Ave., Windsor Arcade,  
NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL  
Western Union Code.

Cleveland, O.  
**The Cleveland Cut Flower Co.**  
Will fill your orders for designs and cut flowers in  
NORTHERN OHIO.

Dayton, O.  
**Matthews,**  
—FLORIST—  
16 W. 3rd Street.  
Flowers in any arrangement for all occasions,  
for Dayton and vicinity. Long dis. Phones

St. Paul, Minn.  
**HOLM & OLSON,**  
**ST. PAUL.**  
THE LEADING FLORISTS OF THE NORTHWEST  
Orders will be well cared for anywhere in  
MINNESOTA AND THE DAKOTAS.

Los Angeles, Calif.  
**J. W. Wolfskill,**  
FLORIST.  
Telegraph Orders  
A Specialty. 218 W. 4th St.

St. Paul, Minn.  
**L. L. MAY & CO.**  
Order your flowers for delivery  
in this section from the

Leading Florists of the Northwest  
San Francisco, Calif.  
**J. B. BOLAND**  
Successor to Sievers and Boland  
FLORIST  
60 KEARNEY STREET.

Atlanta, Ga.  
**Atlanta Floral Co.**  
41 Peachtree Street.

Pittsburg, Pa.  
**H. L. BLIND & BROS.,**  
Two Stores: Liberty Av. & 5th St., 5424 Center Av.  
Greenhouses: West View.

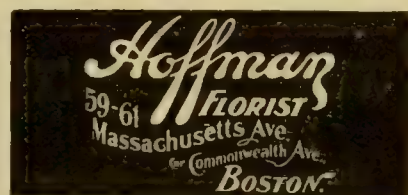
New York.  
Established 1874.

## DARDS

N. E. Corner 44th St.  
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

New York.  
**A. J. Bunyard**  
FLORAL CO.  
We Guarantee Satisfaction  
413 Madison Ave. cor. 48th St.



Albany, N. Y.  
**EYRES,**  
Flowers or Design Work.  
Delivered in Albany and Vicinity on  
Telegraphic Order.  
11 NORTH PEARL STREET.

Boston, Mass.  
Send flower orders for delivery in  
**Boston and all  
New England Points**  
To THOS. F. GALVIN, Inc.,  
124 TREMONT ST.

THE J. M. GASSER COMPANY,  
**CLEVELAND, O.**

We Cover All Points in Ohio.

Buffalo, N. Y.  
**Palmer's** Flowers  
of Quality  
W. J. Palmer & Son.  
304 Main St.

**GEO. A. HEINL,** Leading Florist,  
TOLEDO, OHIO.  
All Orders Promptly Executed.

Detroit, Mich.  
**John Breitmeyer's Sons**  
Corner Miami and Gratiot Avenues.

Artistic Designs.  
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Kansas City, Mo.  
Geo. M. Kellogg Flower and Plant Co.,  
906 GRAND AVE.  
KANSAS CITY and PLEASANT HILL, MO.  
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

Terre Haute, Ind.  
**John G. Heint & Son,**  
129 South Seventh St.  
Telephone 247.  
We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

Pittsburg, Pa.  
**A. W. SMITH CO.**  
KEENAN BLDG.  
Largest Floral Establishment in America  
Established 1874. Incorporated 1909.

Rochester, N. Y.  
**J. B. KELLER SONS,**  
FLORISTS.  
25 Clinton Avenue, N.  
Rochester Phone 506. Long Dis. Bell Phone 2185

**M. A. Rowe**  
IN HEART OF NEW YORK CITY  
Phone 2270 38th St. 1294 Broadway  
Our Motto—THE GOLDEN RULE

Kansas City, Mo.  
**Samuel Murray**  
..... FLORIST .....  
1017 Broadway Coates House  
Conservatory  
Both Phones 2670 Main.  
Write, Telephone or Telegraph. All orders given prompt attention.

Louisville, Ky.  
Established 1880.  
**M. D. REIMERS**  
"Successor to Chas. W. Reimers."  
..... 329 Fourth Avenue



## DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders,

Chicago.

Established in 1857.



739 Buckingham Place,  
L. D. Phone 558 Lake View.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Chicago.

HAUSWIRTH FLORIST

Auditorium Annex.

Mail, Telegraph or Telephone Orders Filled  
Promptly in Best Style.

Cincinnati, O.

JULIUS BAER,

138-140 E. Fourth St.  
Long Distance Phone.

New Orleans—

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838—  
CANAL ST.

Savannah, Ga.

JOHN WOLF,

Wholesale and Retail  
FLORIST.

Kalamazoo and  
Battle Creek, Mich.

H. A. FISHER CO.

Wholesale and Retail Florists.

We Handle Everything in Season.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper  
care of your orders in Wisconsin.

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled  
promptly with the choicest stock.

F. H. Weber  
FLORIST

BOYLE AND MARYLAND AVENUES

PHONES } Lindell 2153  
Delmar 768

ST. LOUIS

Washington,  
D. C.

14th and H Streets.

*Blackstone*

Also

1601 Eutaw Place,

Baltimore, Md.

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WILLIAM L. ROCK,  
Flower Co.,

Will carefully execute orders for  
Kansas City and any town in

Missouri, Kansas or Oklahoma.

Mention the American Florist when writing

St. Louis, Mo,

Write, Wire or Phone Your Orders to

YOUNGS

1406 Olive Street,

Regular discount allowed on all orders, either

Plants or Cut Flowers.

Phones Bell, Main 2306, Kinloch, Central 4981

Mention the American Florist when writing

New York.

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David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway

Telephones:  
1552-1553 Columbus.

Choice Cut Flowers



WASHINGTON

D. C.

Gude's

Washington, D. C.

Geo. C. Shaffer,

::: FLORIST :::

Phone 2416 Main 14th & Eye Sts., N. W.  
Write, Telegraph or Telephone.

Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.

Greenhouses: Short Hills, N. J.

— Deliveries in —

NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

New York.

MYER, FLORIST,

609-611 Madison Ave.

Phone 5297 Plaza.

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Bertermann Bros. Co.

FLORISTS

.....241 Massachusetts Ave.

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Hess &amp; Swoboda

FLORISTS.

1415 Farnum St.

TELEPHONES  
1501 and L 1583

Denver, Colo.

The Park  
...Floral Co.

J. A. VALENTINE, President.

Anderson, S. C.

THE ANDERSON FLORAL CO.

533 MARSHALL AVE.



EASTER

EASTER

EASTER

**HENRY M. ROBINSON & COMPANY****WHOLESALE COMMISSION FLORISTS**TELEPHONES { MAIN 2617-2618  
FORT HILL 25290-2529215 PROVINCE STREET AND  
9 CHAPMAN PLACE  
BOSTON, MASS.**Easter Lilies in Pots \$12.50 per Hundred****ROSES**—American Beauties, Brides and Bridesmaids, Richmonds; Killarnies, Pink and White; Maryland.**Carnations;** Lily of the Valley; Tulips, Lorraine and Murillo; Daffodils and Jonquils, best varieties; Violets, single and double.**Cut Easter and Calla Lilies;** Pansies, Sweet Peas, Mignonette, Marguerites, Smilax, Sprenger and Plumosus, Croweanum Fern.**Best Quality of Stock at Lowest Market Prices**We carry a full line of Florists' Supplies and Hardy Cut Evergreens, such as Dagger and Fancy Ferns, Bronze and Green Galax, Cut Box Wood Sprays, Festooning and Branch Laurel, Leucothoe Sprays, Green and Sphagnum Moss, **Southern Wild Smilax.****SATISFACTION GUARANTEED—WE NEVER DISAPPOINT. YOU CAN DEPEND UPON ALL ORDERS BEING FILLED AS PLACED.****100,000 EASTER LILIES****For Easter. Best in the Market.****Also Roses, Carnations, Valley, Violets, Daffodils, Freesias and Smilax. Write for Prices.****DOMOTO BROS., 27-29 Lick Place, San Francisco, Calif.**

Louisville, Ky.

**JACOB SCHULZ,**

550 So. Fourth Avenue.

Colorado Springs, Colo.

**FRANK F. CRUMP,**

Wholesale and Retail Florist.

MICHIGAN. Orders will be carefully  
cared for by**HENRY SMITH,**

Wholesale and Retail Florist of GRAND RAPIDS.

Lansing, Mich.

**Gurdon B. Smith**Covers all Points in Michigan. Best of  
Shipping Facilities in all Directions.  
Always has the best of Everything.

Mention the American Florist when writing

**Seattle,  
Wash.****L. W. McCoy**

Mention the American Florist when writing

Denver, Colo.

**FLORAL DESIGNS AND FLOWERS**  
Best Quality on Shortest Notice**DANIELS & FISHER**Order by mail, telephone, telegraph or  
cable. Cable address "Daniels. Denver"

Mention the American Florist when writing

Toronto, Can.

Canada's best known and most reliable florist

**Only  
the  
Best Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee  
safe arrival.



## The Seed Trade.

### American Seed Trade Association.

J. C. Robinson, Waterloo, Neb., Pres.; M. H. Duryea, New York, First Vice-Pres.; F. W. Bolgiano, Washington, D.C., Second Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas., Leonard H. Vaughan, Chicago, Asst. Sec'y. Twenty-eighth annual convention, at Atlantic City, N. J. June 21, 1910.

Low vitality tests on sweet corn continue to come in.

CALIFORNIA freesias were slightly damaged by recent frosts.

AN interesting article on French bulbs will be found on page 368.

CHAS. P. BRASLAN writes from San Jose, Calif., stating that he will leave for the east soon, on his way to Europe.

THE onion set market at Chicago, which has been hanging on the ragged edge of a break for some days, stiffened a little this week.

ATLANTA, GA.—The McMillan Seed Co. has applied for a charter of incorporation. J. C. McMillan and C. L. Fain are incorporators and the capital stock is \$6,000.

Now that seedsmen are to be compelled to use transparent packets, of course the Department of Agriculture will be put under the same rule with their free seed packets.

BOTH counter and mail trade in eastern cities have been good the past 10 days, while in the west the increase has been good, though the weather continues cool.

SANTA CLARA VALLEY onion seed growers are looking for spring rains as the rainfall so far has been pretty light. Those who are growing at Tyler Island believe they are in better shape than the valley growers to fight the drought.

AT a conference of sealers of weights and measures in Washington a resolution was adopted urging congress to pass a law compelling manufacturers of all packet goods to print upon the outside of their packages a statement of the net contents in units of weight or measure.

CHICAGO.—Contract prices on the board of trade March 16 for grass seed were noted as follows: Timothy, \$4.30 nominal. White clover, from 20 cents to 25 cents.—Visitors: John Lewis Childs, returning from California; J. F. Garfat, representing Hogg & Lytle, Port Huron, Mich.

## Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,  
Growers for the Wholesale  
Trade Only.

**SAN JOSE, CALIF.**

### Manchurian Corn.

ED. AMERICAN FLORIST:—

We note in your issue of February 12 an article on new kinds of corn from China. It might be interesting to your readers to know that not only have they some varieties of corn in China and Japan which are merchantable, but the fact that through the port of Seattle alone, during the last three months, there has been over 500 tons of Japanese corn imported and distributed among the farmers in this section of the state. Of course, the reason and only reason for importing this corn was that the dealers here



In the Nick of Time.

—Chicago Tribune.

could buy it cheaper than they could buy corn from Iowa and Nebraska. It does indeed look serious when the United States with its unexcelled production of corn has to import corn from the orient.

CHAS. H. LULLY Co.  
Seattle, Wash.

### Cost of Mailing Government Free Seeds.

Representative Sims, of Tennessee, has had inserted in the records a statement he had obtained from the Agricultural Department showing the weight and cost of transporting seed distributed by senators and representatives. The department says that the total weight of vegetable seeds sent through the mails, including the containers, is 1,351,190 pounds. The postage on vegetable seeds at second-class rates would be \$135,513.90 annually. The total weight of flower seeds sent through the mails last year was 76,073 pounds on which the total postage, if paid would be \$760.63.—Pittsburg Leader.

## Peas AND Beans

Alfred J. Brown Seed Co.,

Growers for the Wholesale Trade.  
**GRAND RAPIDS, MICH.**

### Seed Packets Must be Transparent.

The following letter has been sent out to seedsmen in large cities by the local postmasters:

I have the honor to inform you that I am in receipt, this day, of a communication from the honorable third assistant postmaster general, Washington, D. C., instancing a case in point where seeds in an opaque sealed envelope were rated at the office of delivery with due postage at the first-class rate, because the envelope containing the seeds was not sufficiently transparent to clearly show the contents as required by the postal regulations.

This was one of several cases brought to the attention of the Post Office department, from which it appeared that the mailings of seed concerns were not always in harmony with paragraph 5, section 496, postal laws and regulations, which reads as follows:

"Seeds x x x which are liable from their form or nature to loss or damage, unless specially protected, must be put up in sealed envelopes made of material sufficiently transparent to show the contents clearly without opening."

The honorable third assistant postmaster general also directs me to immediately bring the provisions of the postal laws and Regulations cited to the attention of the seed concerns of this city, and to advise them that mailings of such seeds on and after July 1, next, cannot be accepted at the third-class rate of postage, unless the requirements of the aforesaid regulations are met.

I trust that this information will be all that is necessary to adjust your mailings in conformity with these regulations. If not, I would be pleased to convey any further information desired.

[It is reported that a committee of eastern mail order seedsmen will call on the postmaster general at Washington shortly with regard to this matter.—Ed.]

### Imports.

During the week ending March 5 imports were received at New York as follows:

H. Frank Darrow, 150 packages seed, 37 cases trees and shrubs, 30 cases plants.

Peter Henderson & Co., 10 bags, 35 packages seeds.

O. G. Hempstead & Son, 27 cases plants, 7 cases trees and shrubs.

F. B. Vandegriff & Co., 20 bags seed, 41 packages, 17 cases trees and shrubs, 3 barrels bulbs.

Stumpp & Walter Co., 4 cases trees. Vaughan's Seed Store, 20 cases trees and shrubs, 5 barrels seed, 10 cases mushroom spawn.

Reed & Keller, 6 crates plants.

J. M. Thorburn & Co., 8 barrels seed.

Maltus & Ware, 284 cases, 50 tubs, 141 packages trees and shrubs.

McHutchison & Co., 95 cases trees and shrubs, 102 cases plants, 10 cases seed.

W. Elliott & Sons, 58 cases trees and shrubs.

P. Ouwerkerk, 226 cases trees.

To others: 890 bags, 3 cases, 10 packages seed, 148 cases, 88 packages trees and shrubs, 67 cases, 1 box, 7 packages plants.

### Catalogues Received.

C. C. Morse & Co., San Francisco, Calif., plants, seeds and trees; J. L. Dillon, Bloomsburg, Pa., wholesale list roses and carnations; E. H. Hunt, Chicago, fertilizers; Natural Guano Co., Aurora, Ill., fertilizers; W. Allee Burpee & Co., Philadelphia, Pa., prize supplement; H. E. Fiske Seed Co., Boston, Mass., seeds; Wagner Park Conservatories, Sidney, O., nursery stock; Sluis Seed Store, Chicago, market gardeners' list; Jay J. Utter, Bravo, Mich., seeds; M. Crawford Co., Cuyahoga Falls, O., small fruits; Berrydale Experiment Gardens, Holland, Mich., specialties in berries, small fruits and vegetables; Schlegel & Fottler Co., Boston, Mass., seeds and wholesale list; Eastern Nurseries.





## Every Florist Who Grows Asters

Should send for our Aster Book immediately.

Get your name on our files for our regular Florists' Wholesale Catalogue.

These Books are Free.

**James Vick's Sons,**  
Rochester, N. Y.

Mention this paper.

## VAN ZANTEN BROTHERS

Royal Netherland Bulb Nurseries  
and Export Trade.

**HILLEGOM, HOLLAND,**

Wholesale growers of the leading sort of  
**Hyacinths, Tulips, Narcissus, Crocus,**  
**Spireas, Gladiolus, Peonies, etc., etc.**

Write our traveler, **MR. G. HYLREMA**, care of  
Messrs. Maltus & Ware, 14 Stone St., New York,  
for Catalogue and Special prices of all

## HOLLAND BULBS AND PLANTS

Mention the American Florist when writing



### STOCK SEED

Fisk's Branching in all  
colors. Trade packet.  
40c., oz. \$4.00.  
Pure White, tr. packet.  
50c., oz. \$5.00.  
Also Beauty of Nice  
strains.

**H. E. FISKE SEED CO.,**  
Boston, Mass.

## Pape & Bergmann,

Quedlinburg, Germany.

Elite Seeds of Flowers and Vegetables.

Specialties: Stock, Pansies, Cyclamen, etc.,  
Cactus Dahlias, Bulbs. General Catalogue Free  
Mention the American Florist when writing

## SEEDS

Best that grow. We sell direct  
to gardeners and florists  
at wholesale. Big beautiful  
catalogue free. Write today.

**ARCHIAS' SEED STORE, Box 50 Sedalia, Mo.**

Jamacia Plain, Mass., wholesale list  
nursery stock; Diggs & Readles, Rich-  
mond, Va., seeds; Central Seed & Bulb  
Co., Benton Harbor, Mich., bulbs and  
tubers; J. M. Phillips' Sons, Pittsburg,  
Pa., seeds; Reichardt & Schulte Co.,  
Houston, Texas, seeds; Lava Company  
of America, Passaic, N. J., lava fer-  
tilizers; N. L. Willet Seed Co., Au-  
gusta, Ga., seeds; O. A. D. Baldwin,  
Bridgman, Mich., specialties in small  
fruits, berries and vegetables; A. E.  
McKenzie Co., Brandon, Man., seeds;  
Guthrie-Lorenz Co., Des Moines, Ia.,  
seeds; Cedar Hill Nursery and Orch-  
ard Co., Winchester, Tenn., surplus  
wholesale list nursery stock; The  
Home Nursery, LaFayette, Ill., nur-  
sery stock; State Nursery Co., Helena,  
Mont., seeds, plants and trees.

Vilmorin-Andrieux & Co., Paris,  
France, seeds; Van Zanten Bros., Hil-  
legom, Holland, bulbs; V. Lemoine et  
Fils, Nancy, France, plant novelties;  
Theo. Pauwels & Co., Meirelbeke, Bel-  
gium, orchids; Mangowood Floral Co.,  
Manila, P. I., wholesale list orchids.

# WILDPRET BROTHERS

Largest Growers and Exporters of



**HIGHEST  
GERMINATION**

**White and Red  
Bermuda.**

**EARLY  
DELIVERY**

**Crystal Wax and  
Golden Onion.**

Let Us Book Your Order At Once  
So As To Obtain Full Delivery.

Prices on Application.

We Supply Seedsmen Only.

**Port Orotava, Teneriffe, Canary Islands.**

## Fine Aster Seed

Catalogue Now Ready.

## VICK & HILL CO.,

Box 613, Rochester, N. Y.

ESTABLISHED IN 1824.

## Bridgeman's Seed Warehouse

RICKARDS BROS., Props.,

37 East 19th St., New York

bet Broadway and 4th Ave.,

Telephone 4235 Gramercy.

## —FOR— SEEDS

OF ALL KINDS APPLY TO

**W. W. JOHNSON & SON, Limited,**  
Boston, England.

## Pieters-Wheeler Seed Company

HOLLISTER, CAL.

Growers of High Grade Seeds

Onion, Lettuce, Radish, Sweet Peas, Etc.

CORRESPONDENCE SOLICITED.

SAN PEDRO, CALIF.—T. Kanshara,  
Japanese florist, accidentally shot him-  
self March 2 with a gun he was carry-  
ing between his legs while driving  
home.

## JOHN BODGER & SONS CO. Gardena, Calif.

Wholesale Growers of Sweet Peas,  
Tomatoes, Lima Beans, Lettuce, Asters,  
Cosmos and other Flower Seeds.

Mention the American Florist when writing

## Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower

Specialties: Lettuce, Onion, Sweet Peas, Aster,  
Cosmos, Mignonette, Verbena, in variety.  
Correspondence solicited.

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## S. D. WOODRUFF & SONS, SEED GROWERS

Dealers in Garden, Field and Flower Seeds.

Specialties: Beet, Carrot, Corn, Peas,  
Beans, Onion Sets and Seed Potatoes.  
Catalogue free. Contracts taken.

Orange, Conn. 82-84 Dey Street, NEW YORK.

GET QUOTATIONS FROM

## LANDRETH

SEEDS which SUCCEED

Bloomsdale Farm. **Bristol, Pa.**

CONCORD JUNCTION, MASS.—L. Cous-  
ins will erect a new greenhouse as  
soon as the weather permits.



## Market Gardeners

Greenhouse Vegetable Growers and  
Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President;  
Franklin DeKleine, Grand Rapids, Mich.,  
Vice-President; S. W. Severance, 508 Illi-  
nois Life Building, Louisville, Ky., Secre-  
tary; M. L. Ruetenik, Cleveland, O., Treas.

### A New Potato Disease.

The wart disease is a new enemy of the potato crop which is attracting great attention in Europe, and which is liable to be introduced into the United States at any time. It affects the tubers, forming large, rough, unsightly warts, and, in severe attacks, completely destroys the crop. Once the fungus gets into the soil, it is impossible to grow a crop of potatoes on the land for several years.

The fungus which causes this disease was discovered in 1896 in potatoes grown in Hungary. It is now prevalent in many places in England, and there is great danger that it may spread to Ireland. It is also found in Germany and some other European countries. It has been carried to Newfoundland, but has not yet appeared in the United States. It is spread by using affected potatoes for seed, and, as this country imports considerable quantities of potatoes every year, there is danger that it may be introduced. The Department of Agriculture has recently issued a circular (for free distribution), giving a brief account of this disease.

### A New Grape Barrel.

Consular Agent A. E. Carleton, of Almeria, Spain, reports the invention at that place of a barrel for grapes, for which many advantages are claimed. The barrel is cylindrical, and has four compartments, so constructed that the grapes will receive all needed ventilation. Each compartment will hold 12 pounds of fruit, which will keep better, it is claimed, than in the present barrel where the whole quantity, say 50 pounds, is packed together. The entire barrel can be made by machinery and there is practically no waste of wood. Any kind of wood may be used. A company has been formed to exploit the invention and enough orders have already been received to warrant the purchase of the machinery needed. The name of the inventor is on file at the bureau of manufactures, Washington, D. C.

### Prices of Indoor Fruits and Vegetables.

New York, March 12.—Mushrooms, 50 cents per pound; cucumbers, \$1.75 to \$2.50 per dozen; lettuce, \$1 to \$1.25 per dozen heads; tomatoes, 30 cents per pound; radishes, 3 cents per bunch; asparagus, white, \$12 per dozen bunches, green, \$15 per dozen bunches; rhubarb, 75 cents per dozen bunches; mint, \$1 per dozen bunches; beet tops, \$1.50 per bushel; grapes, Gros Colman, 75 cents per pound; peaches, \$2 per dozen.

Chicago, March 16.—Mushrooms, 25 cents to 60 cents per pound; cucumbers, \$1.25 to \$1.50 per dozen; leaf lettuce, 40 cents per box; head lettuce, Florida, \$3.50 per hamper, Louisiana,

# TO SEEDSMEN

BUY YOUR

## Bermuda Onion Seeds

Direct from the grower who knows how to handle the plow and to cultivate his crop.

**Varela's Own Grown Seeds** ARE THE BEST YOU CAN GET.

Please Send Your Contract at Once to

**FEDERICO C. VARELA,**  
Teneriffe, Canary Islands.

# Winterson's Seed Store

45-47-49 WABASH AVE.

Long Distance Phone  
Central 6004

CHICAGO

Plantmen, Nurserymen, Seedsmen  
and Florists' Supplies

We can supply everything the Florist Uses

Catalogue Free

## Wanted

Contracts to grow all kinds of Vegetable Plants, transplanted or not. Also Geraniums, Coleus, Cannas, Salvias, Verbenas, Pansies, etc., for spring delivery. All stock only. Correspondence solicited.

Wholesale Florist,  
Alonzo J. Bryan, Washington, New Jersey.



Watch for our Trade Mark stamped on every brick of Lambert's

**Pure Culture Mushroom Spawn**

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

## VEGETABLE PLANTS.

Cabbage, Wakefield and Succession, \$1.50 per 1000. Parsley, 25c per 100; \$1.25 per 1000. Lettuce, Big Boston, Boston Market Grand Rapids, \$1.00 per 1000. Beet plants, \$1.25 per 1000.

—Cash with order.—

R. VINCENT, Jr. & SONS CO., White Marsh Md.

\$5 and \$7 per barrel; tomatoes, 20 cents per pound; radishes, 50 cents per dozen; asparagus, 25 cents to 40 cents per bunch; grapes, Gros Colman, 75 cents per pound; rhubarb, 60 cents.

LOCKPORT, N. Y.—D. T. McCarthy & Sons, who carry on a general horticultural and floricultural business here, were recently incorporated with a capital of \$33,000. The incorporators are: Daniel T. McCarthy, Thos. J. McCarthy and Mark L. McCarthy.

123 WARREN STREET,  
(Near West St.) NEW YORK

# NOTICE

To My Friends and the Public:

I have leased part of the building at the above address for a term of years.

I am now in a position to serve my Friends and the Public more faithfully than ever, and will be greatly pleased to have an enquiry or call.

**Tested and Reliable Seeds, Bulbs and Plants. Anything you want for the Garden.**

And at Reasonable Prices.

**C. McTAGGART,**

SEEDSMAN AND FLORIST,

123 WARREN ST. (Near West St.),

NEW YORK.

RICHMOND, VA.—It is said that W. A. Hammond intends to sell out to Kirk Parrish, who will consolidate with the Minniborya Flower Farm. The consideration is \$90,000.





NORA UNWIN SWEET PEA.

|                            |                                                                                               |       |       |
|----------------------------|-----------------------------------------------------------------------------------------------|-------|-------|
| Flora Norton.              | A very bright blue quite different from other blues, being a brighter blue and clearer color. | ¼ lb. | 1 lb. |
| Flora Frazer.              | An improved Blanche Ferry, with longer stems, true to type                                    | .25   | .80   |
| Frank Dolby.               | Largest and best pale lavender                                                                | .25   | .80   |
| King Edward VII.           | The best of the dark red                                                                      | .10   | .30   |
| Lady Grisel Hamilton.      | The best of all lavender sorts                                                                | .10   | .40   |
| Lord Nelson.               | Improvement on navy blue color, rich navy blue.                                               | .10   | .30   |
| Lovely.                    | Shell pink, extra fine                                                                        | .10   | .25   |
| Mont Blanc.                | An early-flowering white, for forcing                                                         | .10   | .35   |
| Mrs. George Higginson, Jr. | Clear azure blue                                                                              | .10   | .25   |

Vaughan's Sweet Peas

SPENCER AND UNWIN TYPES.

|                               | ½ oz.                                       | 1 oz. | ¼ lb.  | 1 lb.         |
|-------------------------------|---------------------------------------------|-------|--------|---------------|
| Apple Blossom (Spencer).      | Primrose, with rose standard                |       | \$0.25 | \$0.80 \$3.00 |
| Asta Ohn (Spencer).           | The best lavender in the Spencer selections |       | \$0.40 | .75           |
| Blanche Ferry (Spencer).      | Pink and white Spencer type                 |       | .25    | .50           |
| Countess Spencer (Variety).   | Bright clear pink                           |       | .10    | .35 1 25      |
| Dainty (Spencer).             | White with very light pink edge             |       | .25    | .85 3 20      |
| Florence Morse (Spencer).     | Delicate blush with pink margin             |       | .15    | .40 1.60      |
| George Herbert (Spencer).     | Bright rose carmine                         |       | .15    | .40 1.60      |
| Gladys Unwin.                 | One of the finest pinks in existence        |       | .10    | .20 .50       |
| King Edward VII (Spencer).    | Deep rich carmine scarlet                   | .30   | .50    | 1.60          |
| Mrs. Alfred Watkins.          | Superb pale pink                            |       | .10    | .20 .60       |
| Mrs. Sankey (Spencer).        | A black seeded pure white                   |       | .50    |               |
| Mrs. Walter Wright (Spencer). | Rose purple                                 |       | .40    |               |
| Nora Unwin.                   | The best white                              |       | .10    | .20 .60       |
| Paradise.                     | A dark shade of pink                        |       | .10    | .80           |
| Primrose (Spencer).           |                                             |       | .10    | .20 .60       |
| Princess Alice (Spencer).     | Light rosy mauve                            |       | .15    | .40 1.40      |
| Princess Victoria.            | White blush and pink edged Spencer          |       | .15    | .50 1.80      |
| Ruby (Spencer).               | Scarlet Spencer                             |       | .40    | 1.50          |
| Sutton's Queen.               | Primrose edged in margin with buff          |       | .15    | .45 1.60      |
| White (Spencer).              | Flowers absolutely pure white               |       | .10    | .20 .60       |

STANDARD VARIETIES.

|                            | ¼ lb.                                                                                                                                                                                  | 1 lb.            |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Blanche Ferry.             | Pink and white                                                                                                                                                                         | \$0.10 \$0.20    |
| Bolton's Pink.             | Pink shaded rose, of immense size                                                                                                                                                      | .15 .50          |
| Bridesmaid.                | This is a deep bright pink                                                                                                                                                             | .15 .40          |
| Dainty.                    | Large, pure white tinted with pink                                                                                                                                                     | .15 .35          |
| Dorothy Eckford.           | One of the best of all the white                                                                                                                                                       | .10 .30          |
| Emily Henderson.           | White, early and free                                                                                                                                                                  | .10 .25          |
| Evelyn Byatt.              | Rich fiery orange; very striking and unique                                                                                                                                            | .15 .40          |
| Prince of Wales.           | Deep rose                                                                                                                                                                              | .10 .25          |
| Salopian.                  | Rich deep scarlet                                                                                                                                                                      | .10 .25          |
| Queen Alexandra.           | Giant size; best scarlet                                                                                                                                                               | .02, 10c .15 .40 |
| Shasta.                    | Giant flowered white                                                                                                                                                                   | .15 .40          |
| White Wonder.              | Pure white, of the largest size                                                                                                                                                        | .15 .40          |
| Vaughan's Florist Mixture. | This mixture is made up by ourselves from separate colors, carefully proportioned, of the best cut flower sorts and colors, and includes this year some of the best Spencer varieties. |                  |
|                            | ¼ lb., 20c; 1 lb., 80c; 5 lbs., \$3.50.                                                                                                                                                |                  |
| Eckford Mixture.           | This mixture contains over thirty varieties, including novelties of 1909. Per ¼ lb., 10c; 1 lb., 25c; 10 lbs., \$2.00.                                                                 |                  |

VAUGHAN'S SEED STORE,

25 Barclay St., NEW YORK. 84-86 Randolph St. and 202 W. Randolph St., CHICAGO.  
"Spring Book for Florists." Ask for it.

S. M. Isbell & Co.,

Jackson, Mich.  
CONTRACT SEED GROWERS,  
Bean, Cucumber, Tomato, Pea, Muskmelon,  
Squash, Watermelon, Radish, Sweet Corn.  
Correspondence solicited.

Cauliflower Seed  
Cabbage Seed

LILY OF THE VALLEY PIPS  
HJALMAR HARTMANN & CO.  
Logangstraede 20, COPENHAGEN, DENMARK

SOUTH LANCASTER, MASS.—Fred Hall, who has been employed at the Chandler greenhouses the last few years, has left for a similar position at Athol.

LINCOLN, NEB.—H. H. Frey, of Frey & Frey, has the sympathy of the trade in the loss of his wife, who died March 12. Mrs. Frey, who was also the mother of C. H. Frey, was 70 years of age.

SEED HANGERS



Lithographed in ten colors; size 17x24½-in. always in stock.  
Send for prices.

We always carry a line of 600 different kinds of Flower Seed Packets.

Brett Lithographing Co.,  
605-611 W. 129th Street  
NEW YORK.

Send Advs. Early for Best Service.



## The Nursery Trade

### American Association of Nurserymen.

F. H. Stannard, Ottawa, Kans., President;  
W. P. Stark, Louisiana, Mo., Vice-President;  
John Hall, Rochester, N. Y., Sec'y.  
Thirty-fifth annual convention to be held  
at Denver, Colo., June 8-10, 1910.

STURGEON BAY, WIS.—The Sturgeon Bay Orchard & Nursery Co. has increased its capital from \$20,000 to \$40,000.

WE have received the Twenty-fourth Annual Report of the Minneapolis board of park commissioners with many handsome illustrations and maps and much valuable text.

DUNDEE, ILL.—The D. Hill Nursery Co. has been incorporated, with capital stock, \$25,000 to do a general nursery business. David Hill, Geo. W. Hill, Arthur H. Hill and Vernon D. Hill are the incorporators.

WEST BERKELEY, CALIF.—The E. Gill Nursery Co. has just purchased 85 acres of land at Edenvale, six miles south of San Jose, which is now being planted to nursery stock. This place will be run in connection with the home place, where field-grown roses for the wholesale trade are made a specialty.

### Notes from Rochester, N. Y.

March 12 is perhaps a little premature to speak of the final effects of the winter on plant life. Judging, however, from present appearances, everything appears to have wintered remarkably well. According to the weather bureau reports the mean temperature of last December and January was 26°, which represented two degrees below normal. The lowest temperature was 2½ degrees below zero. During February snow fell to a depth of 26 inches. During the past 10 days most of the snow has disappeared. To all appearances the subsoil is thoroughly soaked to a considerable depth. Last fall and during early winter the subsoil in our region appeared to be abnormally dry, and as all horticulturists agree in the theory that trees, shrubs and plants entering the winter with their roots suffering from a lack of water supply are liable to suffer from the effects of winter's cold, we are agreeably surprised to note the excellent condition at the present time—but of course we are not quite out of the wood yet.

Rhododendrons look almost as well as they did last October, with the exceptions of Charles Bagley, Madame Carvahio and Coeruleseus, on which a few of the leaves are slightly browned, but hardly enough to be noticeable, and it will not affect their flowering in the slightest degree. The dwarf rhododendrons such as R. arbutifolium, R. ovatum and R. myrtifolium hardly ever escape any winter with us without more or less scorching of their leaves, but I think I never saw them look better than they do at present. In walking through the pinetum today and taking notes all the conifers appeared to be in the best

# STOCK FOR FLORISTS

ROSES for Forcing—Hybrid Perpetuals and Ramblers, all the best ones; fine, strong stuff.  
Clematis, Ampelopsis, Tree Hydrangeas and Lilacs,  
Shrubs, Vines and Perennials. Write for prices.  
PALMS—Kentias in 2½-inch pots, \$8.00 per 100; \$75.00 per 1000.

**JACKSON & PERKINS CO., Newark (near Rochester), New York**  
Nurserymen and Florists. Wholesale only. Use printed stationery.

## "FLOWER OF FAIRFIELD"

The "Everblooming Crimson Rambler." The Best Climbing Rose in the market, flowering during the whole summer in large clusters of most crimson color.  
Price for first rate plants with 3 to 6 shoots, open ground grown, \$11.00 per 100, \$100.00 per 1000. Extra strong plants, from 5 and more branches, at \$15.00 per 100. Package free, cash with order only.

**Schultheis Bros.,** The "Old" Rose Gardens, at STEINFURTH, near Bad-Nauheim, GERMANY.

## A GOOD INVESTMENT

Evansville, Ind., Feb. 18, 1910.  
AMERICAN FLORIST CO.  
Chicago.

DEAR SIR:—I am using your Trade Directory and out of 4000 nurserymen we circularized only two circulars came back. I am enclosing these names as you may want to make the changes.

A. J. LOCKYEAR.  
New Edition Now Ready—Price \$3.00.

of health. Even the cedar of Lebanon, Lawson's cypress, Cephalonian fir and the Nootka Sound cypress which are always liable to be scorched with us in winter show no signs of injury at present. Snowdrops were in full bloom March 3 and the Japanese witchhazel on March 7.

JOHN DUNBAR.

### Notes on Nuts.

Nut bearing trees planted along all the small branches and in the fence corners will increase the beauty and value of the farm. Probably no other field of undeveloped natural resources in all the domain of diversified production offers richer and happier results than does nut culture.

The advent of the budded and grafted pecan has removed the greatest uncertainty in the pecan industry. One may now not only be sure that his trees will bear, but that they will do so at a reasonably early age. The pecan ranks first as a table nut; it ranks first in quality of fat oil; it ranks first in food value per pound over all nuts. It is acknowledged by confectioners as the richest and most valuable. In the production of oil it gives the greatest quantity of the richest nut oil.

Nature has so arranged it that some kind of nuts will thrive in almost every locality. The hickory nut does well in the north, the chestnut in the central states, and the pecan in the south. Walnuts thrive well everywhere. All of these are profitable for nuts and timber and are ornamental for shade.

The subject of pecan culture was admirably treated at the American Pomological Society meeting at St. Catharines, Ontario, by H. H. Hume, of Florida, and S. H. James, of Louisiana. Both papers treated the possibilities of pecan culture in a sensible reasonable manner. The glamour and

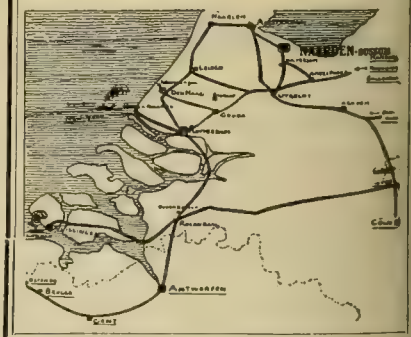
## When Traveling in Europe

Do not forget to inspect our nurseries. We grow immense quantities of Rhododendrons, Azaleas, Magnolias, Boxwood, Conifers, Pot-grown plants for forcing, Lily of the Valley, Evergreens, etc. of high grade and quality. Our nurseries are on sandy soil from which trees transplant readily. From Amsterdam to our nurseries it is only 25 minutes by rail and a train runs every hour.

Catalogue Free on Application.

**JACS SMITS & CO.,**  
Naarden, Holland.

Long Distance Phone, Bussum 33.  
Cable Address, Smits-Naarden.



romantic possibilities may be said to have been peeled off and the great future of the industry sketched without exaggeration. Both believed that there was a large future for pecan culture in the south west and that when the propagated varieties came into the market the demand for the improved nut would increase very rapidly. A pecan investment might be regarded as a staple and permanent one. Chestnut culture was treated by J. C. Reist of Pennsylvania.



# ROSES

Ask for Catalog.

Each  
**Clematis** Paniculata, field-grown, 1 yr. 5c  
**Clematis** Paniculata, field-grown, 2 yr. 10c  
**Hydrangea** Paniculata Grandiflora, 18  
 to 24 in. 6c  
**Hydrangea** Paniculata Grandiflora, 2  
 to 3 ft. 9c  
**Viburnum** Plicatum, 2 to 3 ft. 12c  
**Viburnum** Plicatum, 3 to 3½ ft. 15c  
**Chinese Sacred Lilies.**  
 \$3.00 per 100; \$25.00 per 1000

THE DINGEE &amp; CONARD CO., West Grove, Pa.

## Norway Maples...

Specimen trees 14-18 ft., 24 in. dia.

**Rhododendron Hybrids**

1-3 ft. Best varieties and colors.

**Rhododendron Maximum**

(The Natives), 2-6 ft. in car lots; fine plants.

**Koster Blue Spruce**, 45 ft. and 56 ft.**California Privet for hedge**

Fine plants, 2-3 ft. and 3-4 ft.

A large assortment of Fruit, Shade and Ornamental trees and Shrubs.

Write for prices

Catalogue mailed upon request.

**MORRIS NURSERY CO.,**

Sales Office, 1 Madison Ave., New York.

## LARGE TREES

OAKS and MAPLES  
Pines and Hemlocks**ANDORRA NURSERIES,**

Wm. Warner Harper, Prop.


Chestnut Hill, PHILA., PA.

## Peonies....

**Lucretia Dewberry**

In large quantities. If in need write

GILBERT H. WILD, Sarcoxie, Mo.



## Arbor Vitæ

(Thuja Occidentalis.)  
 A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.  
 Write for descriptions and prices.  
**The Wm. H. Moon Co.,**  
 MORRISVILLE, PA.

**Eugene Pitou, Jr.** CIVIL ENGINEER and  
 Landscape Architect.  
 Phone Barclay 6084—229 Broadway, New York  
 Designs, Estimates, Construction of Grounds.

**Raspberry Plants** Kansas, Gregg, Cum-  
 berland, Guthbert,  
 Turner, Miller, Palmer,  
 25c per doz. by express; 35c per doz. by mail.  
**CHARLES C. NASH,** Kalamazoo, Mich.

DAYTON, O.—A petition to council favoring the setting aside of a certain section of the Central market for a flower market was drafted at the meeting of the local Florists' Club, held at J. F. Young's flower store on East Fifth street recently. Officers of the club for the ensuing year were elected as follows: H. H. Ritter, president; John Bohner, vice president; Horace Frank, secretary; George Bartholemew, treasurer.

# BOBBINK & ATKINS, Rutherford, N. J.

## World's Choicest Nursery Stock

Such as **Evergreens, Shade and Ornamental Trees, Shrubs, Vines, Trained, Dwarf and Standard Fruit Trees, Grape Vines, and other Small Fruits. Herbaceous Plants and a general variety of Spring Bulbs.**

## BOXWOOD---BAY TREES

and all other decorative plants, such as **Dracenas, Aucubas, Palms, Etc.**

Inspection of our Nursery invited, and convince yourself that we have the Stock. Only 9 miles from New York City.

# Last Call

WE STILL HAVE A FEW THOUSAND

## Gladioli America Bulblets

at \$5.00 per 1000; \$20.00 for 5,000; \$35.00 for 10,000.

Send for samples, free.

## Send for Our Berry Catalogue

In it is a **CLIMBING BERRY FROM THE HIMALAYA MOUNTAINS** that is thorny like a rose, with no dead wood, but crops from the same wood for years. It throws its branch of bloom from the main cane, 18 inches long by 10 to 12 inches wide, with 50 to 100 shell pink blooms as large as a peach bloom. Later fruit. Canes grow 30 to 50 feet long. The berry has no core. The berry is sweet, of a port wine flavor.

**Berrydale Experiment Gardens,**Route 1,  
Box 54,**Holland, Mich.**

## Deutzia Lemoinei

Is one of the choicest small shrubs, covered in the blossoming season with a profusion of pure white flowers. The tall varieties of Deutzia are also among the most beautiful flowering shrubs and should receive more attention from planters who aim to produce effective results.

A beautiful catalogue with many new illustrations will be mailed on request. It contains descriptions of these charming shrubs, also of the largest and most complete collections to be found in this country of

**Fruit and Ornamental Trees, Shrubs,  
 Roses and Hardy Plants**

**ELLWANGER & BARRY, Mount Hope Nurseries, Rochester, N. Y.**

## JOHN T. WITHERS, Inc.

**Landscape Architect and Forester**

1 Montgomery St., JERSEY CITY, N. J.

**Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture.**

## Phoenix Nursery Company

**Nurserymen and Florists  
 BLOOMINGTON, ILLINOIS**

Send list of wants for prices.

Wholesale catalog for spring issued Feb. 1st



## Verbenas [for Everybody.....



Enchantress Carnations, R. C. very strong, \$2.25 per 100; \$20.00 per 1000.

C. HUMFELD, The Rooted Cutting Specialist, CLAY CENTER, KANS.

Boston.

A VERY FAIR WEEK.

This has been a very fair week. There was considerable surplus along certain lines, but on the whole conditions were not bad. Violets are falling off perceptibly in size and color. Carnations are coming in more freely all the time and there is a ready market for all but the red shades. Bulbous stock is coming in good and heavy and occasionally gets ahead of the demand. The cheaper stock finds its way to the streets through the medium of the fakirs. Good roses are short and the outlook for first class stock for Easter is not very bright. There seems to be plenty of medium and short roses of all kinds, Chateaufort, My Maryland and Richmond all coming good in color. The new rose (Ward) is coming in limited quantities. Beauties are still scarce and the price keeps up. Valley, gardenias and cattleyas are coming in sufficient numbers to meet all demands. Sweet peas are quite plentiful. Lilies are plentiful and selling well. The plant trade is holding up strong.

#### NOTES.

Welch Bros. report prospects good for a heavy Easter trade. They have arranged for a most complete line of plants and cut flowers. Special attention will be given to the crating and shipping of flowering plants, the safe arrival of which means so much to the out-of-town dealers.

We had the pleasure of a visit from Ernst Wienhoeber and his son, of Chicago, this week. They visited as many of the prominent establishments in the trade as their time permitted and left the city with a most pleasant impression.

Edward Crowley has resigned his position with Donald Carmichael of Wellesley and has opened a retail store in Waltham. Mr. Crowley is well known in the trade and his many friends wish him success in his new enterprise.

The snapdragon grown by Hardy of Natick and handled by E. Fletcher, is worthy of special mention. It makes a valuable flower for use in tall vases and comes in an attractive variety of colors.

L. Carbone's stores are both full of novelties in tempting display. Easter is a particularly busy time with this firm as the line of goods is so extensive that all tastes can be gratified.

The quantity of shamrock plants in various sizes of pots and pans disposed of at this time of year has increased almost beyond belief.

The H. M. Robinson Co. is making plans for a banner Easter trade. The advance orders are coming in heavy and the outlook is bright.

Of the finest varieties that ever grew, 70c per 100; \$6.00 per 1000.

Mums, the good kind, \$1.25 per 100; \$10.00 per 1000.

Daisies, white and yellow, \$1.00 per 100; \$8.00 per 1000. Our big double **Giant Alyssum**, 80c per 100; \$7.00 per 1000.

Feverfew, \$1.25 per 100; \$10.00 per 1000.

We prepay express charges on all rooted cuttings and guarantee satisfaction.

C. very strong, \$2.25 per 100; \$20.00 per 1000.

HEADQUARTERS FOR

# Easter Plants

Azalea Indica One of Our Specialties

Lilies, Spireas, Hydrangeas, Cinerarias

**Azalea Indica.** Don't be bluffed. Be careful, consider what you buy, and from whom you buy. We are the people in Azaleas. Have the real thing. Why? We make a specialty of importing Azaleas. Have sufficient capital to buy for cash in Belgium. Therefore we get the Cream of Belgium production. Full of buds and foliage, a picture of health.

Look! Listen! Stop making those goo-goo eyes. How can I help it? Aschmann's Lilies are looking so charming, and his Azaleas, Cinerarias and other plants are a sight. I am just like bewitched. They are always before my eyes. I see them in my dreams. Aschmann himself looks so inviting. No wonder I am making goo-goo eyes. I will mail him an Easter order today.

## Azalea Indica Our Specialty

In bloom and bud for Easter, ready for shipment on a moment's notice.

Mme. Van der Cruyssen, one of the best leading pink varieties, so well known to every florist in America and Europe, and so covered with buds and flowers that the foliage is hidden. Price: 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$2.50.

We have other leading varieties in large sizes, also covered with buds: Bernard Andreas Alba, white; Niobe, double white; Helena Thielmann, light pink, one of the finest; Souv. Memoire de Van Houtte, very large flowers, double pink; Empress des Indes, large flowering, double variegated; De Schryveriana, double variegated, very handsome, and a few others, Vervaneana, etc. Price: \$1.50, \$2.00, \$2.50 to \$3.00.

In smaller sizes we have the following varieties, full of buds: Mme. Van der Cruyssen pink; Deutsche Perle, pure double white; Vervaneana, double variegated, one of the old standard varieties; Apollo, red; Simon Mardner, double pink; De Schryveriana, large double variegated; Empress des Indes, double variegated; Niobe, double white. Price, 60c, 75c, \$1.00, \$1.25 to \$1.50. Professor Wolters a well known variegated bright variety, at \$1.00, \$1.25 to \$1.50.

When we are out of one color we send the next similar color; also if we are out of the size ordered, we send the next size, either above or below the price mentioned.

**Moonvines** (Ipomoea Multiflora), best white Moonvine, for which we have a world wide reputation now ready. 2 1/2 in. pots, \$5.10 per 100.

**Begonia New Improved Erford**, 5 in., \$2.00 per doz.; **Begonia Flambeau**, 5 in., \$2.00 per doz.

**Spirea Gladstone**. This variety, owing to the dry summer in Holland last year, is very scarce this Easter but we were fortunate enough to secure sufficient to fill our usual house, and the plants are now in fine condition, full of buds, just right for Easter. 6-7 in. pots, 75c to \$1.00 each.

**Primula Obconica**, 5 in. pots, \$2.00 to \$2.50 per doz.

**Double Daffodils**, Von Sion best yellow, 3 double-nosed bulbs in a 6 in. pot, \$2.50 per doz. pots.

**Tulips**, Murillo (double pink) 3 bulbs planted in a 4 in. pot, \$2.00 per doz. pots. **Tournefort Tulips** (double variegated), 3 bulbs in a 4 in. pot, \$1.50 per doz. pots; ready in bloom for Easter.

**Kentia Forsteriana**, 6-7 in. pots, 35 to 50 in. high, perfect leaves, \$1.25 to \$1.50, \$2.50 to \$3.00; 4 in., 20c. **Kentia Beimoreana**, 6 in., large stock, \$1.25 to \$1.50; 4 in., 20c to 25c; 3 in., 10c.

**Ficus Elastica** (Rubber), 5 1/2 to 6 in. pots, 25c to 30c.

**Hydrangea Otaksa**, already forced into buds, just right for Easter, 6-7 in. pots, 35c, 50c, 75c, \$1.00 to \$1.50 each.



If you would know the fairest sight your eyes can ever see,

Where the most perfect plants are grown, to Aschmann's come with me.

Why! Ne'er since flowers began to bloom was such a glorious show

Of all the best that florists need found in one place to grow.

The lilies are the very best yet seen on Easter day, Azaleas are whole steets of flower-, perfect in every way.

The Araucarias matchless are, so are the ferns, all green,

With bulbs and plumed Spirea, the best you've ever seen.

And Aschmann gives a challenge, let every florist hear.

For flowers or prices, either, no rival does he fear.

If you wish to gather dollars, like violets in the spring,

Then send your largest order, his plants the cash will bring.

## Easter Lilies

**Lilium Multiflorum.** The Genuine Japanese Easter Lily. 6-in. pots, plants having 5, 6, 7, 8 and 10 buds and flowers, 10c per bud and flower. Plants having under 5 buds, 2-3-4 buds, 12c per bud and flower.

As the growing of Lilies is unprofitable, a certain amount of other plants must be taken.

**Hyacinths**, 4 best colors, King of the Blues, Grand Maitre (light blue) La Grandesse (best white), Gertrude (best pink), 4-in. pots, \$12.00 per 100.

**Asparagus Plumosus Nanus**, 3-in., \$5.00 per 100 2 1/2 in., 3c; 4 in., 10c.

**Cineraria Hyb. Grandiflora**, H.F. Michell's n.w. improved strain. Our plants of this strain are twice the size of those of other years, with perfect, large, green foliage. Some of the plants are almost as large as a bushel basket. 6 in. pots, 25c, 35c, 50c, 75c to \$1.00 each.

**Arcia Lutescens**, 5 in. pots, three plants in a pot, 35c.

**Cocos Weddelliana**, 3 in., 15c.

**C Ferns for Dishes**, \$3.00 per 100.

Have an Immense Stock of Easter Plants.

This is our catalogue. Please state if in or out of pots. All goods must travel at purchaser's risk only. Cash with order, please. No references will be investigated.

**GODFREY ASCHMANN**, 1012 W. Ontario St., Philadelphia, Pa.

Importer, Wholesale Grower and Shipper of Pot Plants.



# Vaughan's Special Offer

We extend you a cordial invitation to visit our Greenhouses and Nurseries, where you can see for yourself our immense stock of Palms, Araucarias, Ferns and other Decorative plants. Western Springs is one-half hour ride from Chicago on the C., B. & Q. R. R. Call at our City Store and get ticket.

## BOSTON FERNS

|             | Each  | Doz.   | 100     |
|-------------|-------|--------|---------|
| 6 in. pots  | \$ 75 | \$8 00 | \$60 00 |
| 7 in. pots  | 1 00  | 10 00  | 75 00   |
| 8 in. pots  | 1 25  | 14 00  | 100 00  |
| 10 in. pots | 2 50  |        |         |

## ASPARAGUS

|                           | Each    | Doz.    | 100 |
|---------------------------|---------|---------|-----|
| Asp. Sprengeri, 2 1/2 in. | \$ 3 00 | \$25 00 |     |
| " 3 in.                   | 5 00    | 45 00   |     |
| " 4 in.                   | 10 00   |         |     |

|                                          | Each  | Doz.   | 100 |
|------------------------------------------|-------|--------|-----|
| Aucuba, Japonica variegated, 18 in. high | \$ 55 | \$5 00 |     |
| " 24 to 30-in. high                      | 1 50  | 15 00  |     |
| Aucuba, Japonica type, 18-in. high       | 1 00  | 10 00  |     |

## Crimson Ramblers.

|                                                    |  |  |  |
|----------------------------------------------------|--|--|--|
| 2 years old, 2 to 3 feet, well branched, own roots |  |  |  |
| 2 years old, 2 to 3 feet, well branched, budded    |  |  |  |
| 3 years old, 3 to 5 feet, well branched, budded    |  |  |  |
| 4-inch pots                                        |  |  |  |

## Tausendschon.

|                                    | Per doz. | Per 100 |
|------------------------------------|----------|---------|
| 2-yr. old, dormant, grafted plants | \$3.50   | \$25.00 |

## Lady Gay.

|                          | Per doz. | Per 100 |
|--------------------------|----------|---------|
| 2-yr. old, dormant stock | \$3.00   | \$20.00 |

We have a fine lot of Palms in all sizes. See catalogue.

## CROTONS

We offer a choice collection of fancy sorts.

|            | Each   | Doz.   | 100 |
|------------|--------|--------|-----|
| 3-in. pots | \$0 20 | \$2 00 |     |
| 4-in. pots | 35     | 3 50   |     |
| 5-in. pots | 50     | 6 00   |     |
| 6-in. pots | 1 00   | 10 00  |     |

## Azalea Mollis

|               | Each   | Doz.    | 100     |
|---------------|--------|---------|---------|
| 15 to 20 buds | \$0 50 | \$ 5 00 | \$40 00 |
| 40 to 50 buds | 1 00   | 10 00   |         |

Per doz. Per 100

\$2.00 \$15.00

2.00 15.00

3.00 18.00

10.00

## Baby Rambler.

Dormant, field-grown.

|                             | Per doz. | Per 100  |
|-----------------------------|----------|----------|
| 1st size, selected, budded  | \$2.50   | \$16.00  |
| 3-years                     | \$16.00  | \$150.00 |
| 2nd size, selected, grafted |          |          |
| 2-years                     | 2.00     | 12.00    |
|                             |          | 100.00   |

## Deutzia

|                 |    |      |       |
|-----------------|----|------|-------|
| Lemoinei, 7-in. | 25 | 2 50 | 20 00 |
|-----------------|----|------|-------|

Aralia Elegantisima, fine stock.

|        | Each   | Doz. | 100 |
|--------|--------|------|-----|
| 5-inch | \$1 00 |      |     |
| 6-inch | 1 50   |      |     |

Bush Box Trees, 15-18-in. high.

|                |      |  |  |
|----------------|------|--|--|
| 20-24-in. high | 8 00 |  |  |
|----------------|------|--|--|

Ampelopsis Veitchii, 2-yr.

|       |      |         |  |
|-------|------|---------|--|
| 3-yr. | 1 75 | \$12 00 |  |
|       | 2 00 | 15 00   |  |

Clematis Panculata, 2-yr.

|       |        |         |         |
|-------|--------|---------|---------|
| 3-yr. | \$1 50 | \$10 00 | \$90 00 |
| 4-yr. | 3 60   | 25 00   |         |

## ROSES

American Beauty, budded.

|                  |      |       |  |
|------------------|------|-------|--|
| Gen. Jack        | 1 75 | 14 00 |  |
| Mrs. John Laing  | 1 75 | 14 00 |  |
| Paul Neyron      | 2 00 | 15 00 |  |
| John Hopper      | 1 75 | 14 00 |  |
| Fisher Holmes    | 1 75 | 14 00 |  |
| Gen. Washington  | 2 00 | 15 00 |  |
| Gruss an Teplitz | 2 00 | 15 00 |  |

## Hardy Perennial Plants

|                               | Doz.   | 100    |
|-------------------------------|--------|--------|
| Achillea Eupatorium           | \$1 00 | \$7 00 |
| Anchusa Angustifolia          | 75     | 5 00   |
| Aquilegia Chrysantha in var.  | 35     | 6 00   |
| Arabis Alpina                 | 85     | 6 00   |
| Fl. Pl.                       | 85     | 6 00   |
| Aster Preziosa                | 1 20   | 8 00   |
| Cardifolius                   | 1 00   | 7 00   |
| Laevia Pulcherrima            | 1 50   | 10 00  |
| Novae Belgiae Glory de Nancy  | 1 00   |        |
| Ryecroft Pink                 | 1 50   |        |
| St. Egwin                     | 2 00   |        |
| White Dwarf Queen             | 1 00   | 7 00   |
| Baptisia Australis            | 85     | 6 00   |
| Bocconia Cordata              | 85     | 6 00   |
| Boltonia Asteroides           | 75     | 5 00   |
| Buphalmium Cordifolium        | 85     | 6 00   |
| Campanula Medium Calycanthema | 1 00   | 7 00   |
| " Single Mixed                | 1 00   | 7 00   |
| " Double Mixed                | 1 00   | 7 00   |
| " Single White                | 1 00   | 7 00   |
| Catananche Coerulea           | 85     | 6 00   |
| Chelone Lyoni                 | 1 25   | 8 00   |
| Chrysanthemum Maximum         | 85     | 6 00   |
| " North Star                  | 1 25   | 8 00   |
| " Larsoni (new)               | 2 50   |        |
| Coreopsis Lanceolata          | 75     | 5 00   |
| Rosea                         | 85     | 6 00   |
| Daisy Shasta, California      | 85     | 6 00   |
| Westralia                     | 85     | 6 00   |
| Delphinium Chinenses          | 75     | 5 00   |
| " Album                       | 75     | 5 00   |
| " Kelway's Hybrids            | 85     | 6 00   |
| Oianthus Abbotsford           | 1 25   |        |
| " Plumarium Cyclops           | 85     | 6 00   |
| " Latifolius Coccineus pl.    | 1 00   | 7 00   |
| " Plumarium double            | 85     | 6 00   |

|                                  | Doz.   | 100    |
|----------------------------------|--------|--------|
| Dianthus Perfection              | \$1 25 |        |
| " Her Majesty                    | 85     | \$6 00 |
| " Semperflorens                  | 85     | 6 00   |
| Digitallis Gloxiniaeflora, mixed | 1 00   | 7 00   |
| Maculata Ivoryana, spotted       | 1 00   | 7 00   |
| Echinacea Purpurea               | 85     | 6 00   |
| Erianthus Ravennae               | 85     | 6 00   |
| Eupatorium Ageratoides           | 85     | 6 00   |
| Frazieri                         | 85     | 6 00   |
| Funkia Lancifolia                | 75     | 5 00   |
| Gaillardia Grandiflora           | 85     | 6 00   |
| " Kermesina Solanders            | 1 00   | 7 00   |
| " Grandiflora semi-pl.           | 1 00   | 7 00   |
| " Sulphurea                      | 1 00   | 7 00   |
| Festuca Glauca                   | 85     | 6 00   |
| Gypsophila Paniculata, fl. pl.   |        |        |
| double white                     | 1 00   | 8 00   |
| Helianthus Autumnale superbum    | 85     | 6 00   |
| Rubrum                           | 1 00   | 8 00   |
| Helianthus Multiflorus Max       | 85     | 6 00   |
| Sparsifolius                     | 85     | 6 00   |
| Heliopsis Pitcherianus           | 65     | 4 00   |
| Hemerocallis Dumortieri          | 85     | 6 00   |
| " Flava                          | 85     | 6 00   |
| " Kwanso fl. pl.                 | 85     | 6 00   |
| Hibiscus Crimson Eve             | 60     | 4 00   |
| Moscheutos                       | 60     | 4 00   |
| Inula Ensifolia                  | 85     | 6 00   |
| Iris Pallida Dalmatica, Lavender |        |        |
| each                             | 1 50   | 10 00  |
| Iris Mixed German                | 60     | 4 00   |
| Lavandula Blue Lavender          | 1 00   | 7 00   |
| Linum Flavum                     | 1 00   | 7 00   |
| Perenne                          | 85     | 6 00   |
| Lathyrus Latifolius Albus        | 1 00   | 7 00   |
| Rubra, red                       | 1 00   | 7 00   |

|                                  | Doz.   | 100    |
|----------------------------------|--------|--------|
| Lathyrus Pink Beauty             | 1 00   | 7 00   |
| Lobelia Cardinalis               | \$1 00 | \$7 00 |
| Lychnis Viscaria                 | 85     | 6 00   |
| Lysimachia Barystachis           | 1 00   | 8 00   |
| Mentha Mint                      | 60     | 4 00   |
| Monarda Didyma                   | 1 00   | 7 00   |
| Myosotis Palustris Semperflorens | 60     | 4 00   |
| Phalaris Arundinacea var.        | 75     | 5 00   |
| Physostegia Virginica            | 85     | 6 00   |
| Platycodon Grandiflora           | 85     | 6 00   |
| " Mariess                        | 85     | 6 00   |
| " Alba                           | 1 00   | 7 00   |
| Primula Veris Grandiflora        | 1 00   | 7 00   |
| Harbinger                        | 1 00   | 7 00   |
| Pyrethrum Uliginosum             | 75     | 5 00   |
| Rudbeckia Golden Glow            | 85     | 6 00   |
| " Golden Ray                     | 85     | 6 00   |
| " Newmann                        | 1 00   | 7 00   |
| " Nitida                         | 1 00   | 7 00   |
| Sidalcea Rosy Gem                | 1 00   | 7 00   |
| Statice Latifolia                | 1 00   | 7 00   |
| Stokesia Cyanea                  | 1 00   | 7 00   |
| " Alba                           | 1 25   |        |
| Solidaga Virgaurea Nana          | 1 00   | 7 00   |
| Sweet William, single mixed      | 85     | 6 00   |
| " Double mixed                   | 85     | 6 00   |
| " Red, double                    | 1 00   | 7 00   |
| " White                          | 1 00   | 7 00   |
| Tarragon True German             | 85     | 6 00   |
| Thalictrum Flavum                | 1 00   | 7 00   |
| Tradescantia Virginica           | 85     | 6 00   |
| Tritoma Pfitzeri                 | 1 00   | 7 00   |
| Tunica Saxifraga                 | 1 00   | 7 00   |
| Vinca Minor                      | 75     | 5 00   |
| Yucca Filamentosa                | 75     | 5 00   |

SPRING "BOOK FOR FLORISTS!" ASK FOR IT.

## VAUGHAN'S SEED STORE,

NEW YORK.

All Plants f. o. b. Western Springs, Ill.

CHICAGO.

The new store of S. Hoffman in the business district is exceeding expectations. Trade has been brisk from the day of opening.

T. J. Welch of the Galvin Tremont street store has returned to his post fully recovered from his recent severe cold.

Wm. Aylward is handling an extensive variety of flowering plants in connection with his cut flowers.

Frank Edgar of Edgar Bros., is bringing in a fine lot of sweet peas from a new crop.

WAKEFIELD, MASS.—Otto B. Runge has opened a new store on Albion street.

PORTLAND, ORE.—Frederick E. Botje, of Mt. Tabor, died March 4, at his home, 31 East Sixty-first street, aged 49 years.

LA CROSSE, WIS.—The Florists' Association held its monthly meeting on Tuesday evening, March 8. The subject discussed was the growing of Easter lilies. A number of fine lilies were exhibited and the different varieties were fully discussed by the members and the methods of growing them to the best advantage. The next meeting will be held April 5 and the subjects to be discussed are "Roses in Pots" and the "Watering Pot."

## Cannas

King Humbert, Chas. Henderson, Ex. Crambell, Mad. Crozy, Alphonse Bouvier, Mlle. Berat, Florence Vaughan, Souv. de Antoine Crozy.

Write for special prices, stating quantity wanted.

FRESH TOBACCO STEMS.

Bale of 300 lbs., \$1.75; ton, \$9.00.

W. C. BECKERT, Seedsman,

103 Federal St., N.S., PITTSBURG, PA.





# RED WING

THE BEST  
Geranium Novelty  
FOR 1910.

This new plant is a deep cardinal red, with a soft, velvety sheen, making it unusually attractive. It has a semi-double flower, of good substance, large trusses, very floriferous.

This plant is robust, of strong growth and makes an ideal pot plant or bedder, as it stands the sun well; has no rival in its wonderful color.

Get Your Stock Now.  
25c each; \$2.50 per doz.

Write for Catalogue of  
Geraniums.

**F. H. DeWITT & CO., Cor. College and Pearl Sts., Wooster, Ohio.**

## Pittsburg.

The week started out rather slow, but by Thursday stock was moving out a little better and Saturday evening found the wholesalers cleaned up. The prices were anything but satisfactory. This is the first real clean up since the glut came on, so everybody is feeling pretty good. In all probability the market may hold pretty firm until after Easter. Funeral work played a role in this week's business as several very prominent men died, and everybody had all they could do.

### NOTES.

Geo. Benanvantano, Wilmerding, foiled the attempt of a robber to loot his store by knocking him down and taking his guns and \$500 taken from his safe. Benanvantano came into the store just in the nick of time, saving a clean cut get away. He did not prosecute the robber as he thought the beating was sufficient.

John James announces that he has extended his business and taken in a partner, a Mr. Butler, of New Kensington. They have bought the L. A. Neff greenhouses at Springdale, and intend to remodel the plant and grow stock for their New Kensington store.

B. Seidler, Braddock, opened his new store on Saturday at 712 Braddock avenue. Mr. Seidler was formerly with the Braddock Floral Co.

H. L. Blind & Bro., are showing a pretty window of flowering plants at their Fifth street store.

Arthur Langhans, Wheeling, W. Va., is moving from his present location to Chaplin street.

Geo. L. Huscroft, Steubenville, O., is back home after an extensive trip through the east.

Wm. Falconer and daughter have returned from their southern trip.

Violets and  
Sweet Peas  
A Specialty.

**JOHN H. SLOCOMBE,  
FLORIST,  
555 Townsend Ave.**

New Haven, Conn., March 7, 1910

Aphine Mfg. Co., Madison, N. J.

Gentlemen:—

After using your product for past three months find that it has effectively killed all the green and black fly on double and single violets in our houses—without injuring in the least the flowers or even tender center leaves. We sprayed our young sweet pea vines, which were badly infested with green fly, and that one application has cleaned out every aphid visible to date.

We have placed order for ten gallons Aphine with your local agents to keep on hand—as we cannot afford to be short should another crop of fly appear.

Yours truly,

J. H. SLOCOMBE.

See pages 416 and 422 for other Aphine endorsements.

John Orth, McKeesport, is going to put up two new greenhouses.

W. D. Faulk, Homestead, is going to move to new quarters May 1.

Julius Ludwig, Northside, has been sick.

J.

YONKERS, N. Y.—Philip Germond, son of a clergyman, was arrested for endeavoring to pass a forged check for \$10 on Gus Massus.

FLORAL PARK, N. Y.—Geo. B. Remsen, foreman of John Lewis Childs' packing room, committed suicide March 8 by hanging. He had been acting queerly since being struck by an automobile a year ago.

## New Chrysanthemum

**Mrs. Jane Cockburn**

EARLY PINK.

Ready for February and March delivery. Blooms first week in October. Beautiful mauve pink. Good keeper and shipper.

\$6.00 per 100; \$50.00 per 1000.

Five hundred at one thousand rate. FIRST COME. FIRST SERVED.

**SAMUEL COCKBURN & SONS,  
233rd St. and Verio Ave., Woodlawn,  
NEW YORK CITY.**



# PALMS

## Extra Good Values in Palms For Easter....

Stock in Perfect Condition.

### KENTIA BELMOREANA.

|                                                |        |
|------------------------------------------------|--------|
| 6-in. pots, 6 leaves, 20-24 in. high.....      | \$1 00 |
| 7-in. pots, 6 to 7 leaves, 24-26 in. high..... | 1 50   |
| 7-in. pots, 6 to 7 leaves, 26-28 in. high..... | 2 00   |
| 8-in. pots, 6 to 7 leaves, 32-34 in. high..... | 2 50   |
| 8-in. pots, 6 to 7 leaves, 34-38 in. high..... | 3 50   |

### KENTIA FORSTERIANA.

|                                                |        |
|------------------------------------------------|--------|
| 6-in. pots, 6 leaves, 34-36 in. high.....      | \$1 50 |
| 7-in. pots, 6 to 7 leaves, 36-40 in. high..... | 2 50   |
| 8-in. pots, 6 to 7 leaves, 40-44 in. high..... | 3 50   |
| 8-in. pots, 6 to 7 leaves, 44-48 in. high..... | 4 50   |
| 10-in. pots, 6 to 7 leaves, 5½ ft. high.....   | 8 00   |

### Made-up Kentia Forsteriana.

Strong, bushy plants, 3 plants to a tub.

|                                          |        |
|------------------------------------------|--------|
| 7-in. tubs, 40-44 in. high.....          | \$4 00 |
| 8-in. tubs, 44-48 in. high.....          | 5 00   |
| 10-in. tubs, 44-48 in. high (heavy)..... | 6 00   |
| 10-in. tubs, 48-52 in. high (heavy)..... | 7 00   |
| 10 in. tubs, 50-54 in. high (heavy)..... | 8 00   |

### PHOENIX ROEBELENI.

5-in. pot plants, nicely characterized.....\$1 00 each; \$10 00 per dozen



**THE STORRS & HARRISON CO., Painesville, O.**

## Attention Buyers.

If in need of any of the following stock we will be pleased to quote Bargain prices:

Small Kentia, Latania or Phoenix Palms, 4 and 5-inch Aracarias, Boston, Piersoni, Elegantissima, Scottii, Amerpohli, Plumosus, Sprengeri, or Small Ferns for dishes. Also all kinds of Bedding Stock in small sizes. Give us a trial on 3-inch Chinese and obconica primroses in bloom, Special, \$4.00 per 100.

**D. U. AUGSPURGER & SONS CO., Box 394  
PEORIA, ILL.**

Mention the American Florist when writing

## Vinca Variegata...

R. C. 20c; \$8.00 per 100. Extra fine.

## DBLE. PETUNIA

2-in. \$2 00 per 100

Smilax, 2-in., \$1.25 per 100. Abutilons, 3 kinds. 2-inch. Cuphea, 2-in., 1½c. Geraniums, Double Grant, Buchner, Gen. Grant, 2-in., 2c. Coleus, 10 kinds. Ageratum, 3 kinds, \$1.50 per 100. Swainsonia alba, 2-in. 2c. Snapdragon, white and scarlet. 2-in. 2c. Heliotrope, Yellow Daisies, 2-in. 2c. Rose Geranium, 2-in. 2c. Salteroi Geranium, 2-in. 3c.

Rooted Cuttings, prepaid per 100. Heliotrope, \$1.00; Fuchsia, 8 kinds, \$1.00; Paris Daisy, yellow, white, \$1.00; Cuphea, 75c. Vinca Variegata, 90c; Coleus, 10 kinds. 60c; Alternanthera, 3 kinds, 50c; Ageratum, 3 kinds. 60c; Swainsonia alba, \$1.00; Dbl. Petunias, 10 kinds, \$1.00.

Cash with order.

**BYER BROS., Chambersburg, Pa.**

Mention the American Florist when writing

## Mrs. C. W. Ward

Mrs. C. W. Ward is a perfectly formed flower, with full center; color, deep pink, several shades lighter than Lawson, deeper than Winsor; having strong, erect stems 24 to 36 inches in length. A vigorous, healthy grower, and has never shown disease of any kind.

Price, Rooted Cuttings:—\$2.00 per 12; \$12.00 per 100; \$100.00 per 1000; 25 at the 100 rate; 250 at the 1000 rate.

Plants from 2-inch pots, \$15.00 per 100.

**ALMA WARD ALL SOLD.**

## Cottage Gardens Co., Inc.

QUEENS, LONG ISLAND, N. Y.

## Carnations

Ready now. Victory, \$1.50; Lawson Enchantress, \$2.00; Bassett, \$3.50; and Fenn, at \$1.00 per 100. Ready the latter part of April. W. Perfection, R. Pink and Enchantress, at \$1.50 per 100; Lawson and Winsor, at \$1.25 per 100.

## GERANIUMS

Ready early in April. Nutt, at \$10.00 per 1000; Poitevine and Ricard, at \$12.50 per 1000.

PLUMOSUS. Ready May 1st, at \$25.00 per 1000. SPRENGERI. Ready now. Special size, ready for 4-in. pots, at \$5.00 per 100; samples for 10c.

**ALBERT M. HERR,**

Lancaster, Pa.

## A New Fern NEPHROLEPIS GIATRASH

Awarded a Certificate of Merit by the Horticultural Society of New York.

Prices: In 2¼-inch pots, \$3.50 per dozen; \$25.00 per 100; \$200.00 per 1000. 25 plants at 100 rates; 500 plants at 1000 rates. Orders delivered in rotation as received. Now Ready for delivery,

**GEORGE GIATRASH,**  
463 Summit Ave., West Hoboken, N. J.



**Don't Get Left --- Last Call On  
Rooted Cuttings, April Delivery**

# Carnation Dorothy Gordon

has added to its laurels: At the Toronto show, just closed, a gold medal was awarded to this splendid carnation when exhibited in competition with others. Carnation Dorothy Gordon is a winner—a winner of prizes and a winner of profits, as our customers are learning. Some of its merits are: strong constitution—absolutely free from disease; wonderful productiveness—50% more flowers than Enchantress; good color—clear uniform pink; splendid form and keeping qualities—flowers last four and six days after cutting; and enormous size—averaging three inches in diameter. We know of no other variety possessing all these strong qualities. Order NOW some of the splendid stock we offer for April. Prices remain the same—\$10.00 per 100; \$75.00 per 1000—and you'll find, long before the season is over, that it was the best investment you made this year. If you want to investigate first, come to see us, or write for particulars—but don't delay, for the stock won't last.

**JOSEPH HEACOCK COMPANY, Disseminators,**

**Wyncote, Pa.**

## LILIES

12 and 15 cents.

Azaleas, \$9.00, \$12.00, \$18.00, \$24.00, \$36.00.  
\$48.00, \$60.00 per dozen.

Hydrangeas, 75c to \$5.00 each  
Spiraea, \$6.00, \$9.00 and \$12.00 per doz.  
Roses in Pots, \$9.00, \$12.00 per doz.  
Roses in Pans, \$2.00 and \$3.00 each  
Baby Rambler, \$9.00, \$12.00, \$18.00 per doz.  
Crimson Rambler, \$1.50 to \$25.00 each  
D. Perkins Rambler, \$2.00 to \$15.00 each  
Bottle Brush Plants, \$1.50, \$2.00 each

**H. C. STEINHOFF,**

Boulevard, WEST BROOKEN, N. J.

Montreal.

TRADE QUIET.

Business during the first couple of weeks of lent showed very little of decline, but these later weeks are felt quite severely. If it was not for the abundance of funeral orders, things could be called very quiet. Cut flowers are plentiful with the advance of brighter days and fine sunshine; bulbous stock is supplied in good quality and roses and carnations are fine and enough to supply the demand. The Easter plants promise to be a fine lot, notably the roses in all the varieties from the Baby Rambler with its clusters of small flowers to the stately hybrids with their large double heads. Hydrangeas are earlier than ever before this season and have been selling for weeks. Lilies, while first class with some growers, are a failure with others and case after case of bulbs showed a very small percentage of healthy plants. All around, the black stem Gigantemum is the most reliable one to grow.

The Gardeners' and Florists' Club had a very interesting meeting March 7, with the largest attendance on record. An interesting lecture was given by J. Hughes, a professional plumber; the subject was "Greenhouse Heating." The members followed the lecturer keenly all through, wandering at times far from the subject. A number of questions were asked at the conclusion, which were answered by Mr. Hughes to the satisfaction of the enquirers. After this Alec Wilkie read his paper on "Bulb Forcing," which provoked a lively discussion. A vote of condolence was tendered to the widow of our late member, A. Pinoteau, who died recently after less than a day's illness. Mr. Pinoteau was superintendent of parks. Born in France, he came to Canada with his parents while quite a young boy. He was employed in the parks department for some years. For a time he was assistant to his brother, Andrew Pinoteau, who died in August, 1908, and on the death of his brother he succeeded to the post. The deceased was 39 years of age, and

## EASTER PLANTS

AZALEAS, 5½ to 8-in. pots, from 75c. to \$5. each; larger plants from \$6.00 to \$10.00 each; Pyramids, \$4.00 to \$5.00 each.

LILIES, \$12.00 per 100 buds; \$120.00 per 1000, \$550.00 per 5000.

LILACS, White and Blue, 8 and 9-in. pots \$1.50, \$4.00, \$2.50 and \$3.00 each.

SPIREA, Gladstone, White, \$6.00, \$9.00 and \$12.00 a doz.

Queen Alexandra, Pink, 75c., \$1.00 and \$1.25 each.

HYACINTHS, Single, pots \$2.00 per doz. Only extra selected bulbs grown.

Miniature, 6, 7 and 8-in. pans 35c., 50c., 75c. and \$1.00 a pan.

TRUMPET NARCISSUS, 35c., 50c., 75c. and \$1.00 a pan.

Boxwood, pyramids, 3 ft. high, \$3.00 a pair. bushes, 20c, 35c, 40c, 50c, 60c 75c ea.

LILY OF THE VALLEY, in 5-in. pots, 35c. each; 6-in. pans, 50c. each; 7-in. pans, 75c. each, and 8 in. pans, \$1.00 each.

DWARF ROSES, Baby Dorothy, Baby Ramblers, \$6.00, \$9.00 and \$12.00 a doz.

ROSE, Mme. Cutbush, Enchantress pink, large plants 6½ and 7 in. pots, \$12.00, \$15.00 and \$18.00 a doz.

Large showy plants of Dorothy Perkins, shell pink, 6½ to 9-in. pots, \$1.50 to \$7.00 each.

Star-Flowered Rambler, single, large trusses, outside petals light pink; center white, 6½ in. pots, \$1.50 and \$2.00 each; large plants in 7 to 9 in. pots, \$3.00 to \$7.00 each.

Everblooming Crimson Rambler (Flower of Fairfield). Brilliant red color, 6½, 7, 8 and 9-in. pots, \$2.00 to \$3.00 each. Also Rose Mme. Carl Druschki, fine budded 2-year plants \$20.00 per 100.

**All the foregoing Roses are timed for Easter and are perfectly budded.**

With shipping orders, please add to the amount of bill 75c. for each ten dollars' worth of goods, to cover the expense of cases and packing.

For other varieties of foliage and Easter plants, write for price lists.

**ANTON SCHULTHEIS**

316 19th Street,

COLLEGE POINT, L. I., N. Y.

## Rooted Cuttings

Verbenas, choice varieties 70c per 100, \$6.00 per 1000  
Per 100 1000  
Heliotropes, \$1.00 \$8.00 Petunias, \$1.25 \$10.00  
Daisies, white, Salvia, 1.00 8.00  
and yellow, 1.00 Alyssum, dbl. .80  
Coleus, .70 6.00 Ageratum, .60 5.00  
Feverfew, \$1.25 per 100; \$10.00 per 1000. About  
500 Geraniums yet to sell: 2-in. pots, \$11.00.  
Express paid on rooted cuttings.

**S. D. BRANT,**

Clay Center, Kans.

is survived by a widow and three children.

A. C. Legare will build two houses, 25x100 feet each, for violets. The big lettuce house, 65x500 feet, at Camille Legare's has produced lettuce better and finer than he ever grew it before.

The Mount St. Bruno Floral Co. will also build this year, but are undecided yet as to size.

LUCK.

Tarrytown, N. Y.

The Horticultural Society held its regular monthly meeting, February 25. The subject of the meeting, "Roses," was introduced by Andrew McKendry. A very interesting and instructive discussion followed. The monthly prize was won by James Stuart with a splendid vase of Killarney. Mr. McKendry showed a grand vase of mixed varieties which was only a few points behind the first prize lot. A number of other vases were shown, the general quality of which was remarkably good. The subject for next meeting is "Forced Vegetables" and prizes will be given for the best three kinds.

W. C.

## Primula Obconica.

In full bloom, just right for Easter,  
\$12 00 to \$50 00 per 100.

Chrysanthemum cuttings, standard varieties, single and pompons, 80 kinds the pick of commercials. Orders booked now at \$15 00 per 1000. There is some class to these cuttings

Smilax, 2½-inch pots, \$1 75 per 100

Ehmann's is the Place of Quality.

Satisfaction guaranteed.

**William J. Ehmann, Jr.**  
CORFU, N. Y.

MORRISON, ILL.—Alexander Still, an employe at the Davis & Steiner greenhouses, was badly burned about the face recently while at work cleaning out the flues. They are cleaned out by the use of steam and it is supposed that there was some gas in the fire which exploded and caused the flames to burst through the furnace door.





PANSY GERANIUM.

## Pelargonium

### NOVELTIES.

From 2½-in. pots, each, 25c; doz., \$2.50.

1 each of 6 vars., \$1.35; 3 each, \$3.65.

**Emanuel Lias**—Mottled rose and white.

**King Haakon**—Purple, dark blotch on lower petals.

**King of Spain**—Reddish purple, light center.

**Ladas**—Blush pink, upper petals blotched maroon.

**Lady Churchill**—Blush salmon.

**Prince Olaf**—Orange scarlet.

### STANDARD SORTS.

Extra strong 2½-in. pots (ready for 3-in.) \$1.50 \$10.00  
 " " 3 " " " " 4 " " 2.00 12.00

**Countess**—Clear salmon, white center.

**Dorothy**—Rosy salmon, blotched dark maroon.

**Goldmine**—Bright orange, one of the freest.

**Mme. Thibaut**—White, blotched maroon and rose.

**Mme. Vibert**—Fiery red, blotched maroon, edged pink.

**Mrs. R. Sandiford**—Pure white, double.

**Marie Mallet**—White, blotched maroon.

**Princess May**—Salmon rose, maroon blotches.

**Sandiford's Best**—Beautiful pink, white margin.

**Sandiford's Wonder**—Blotched white and red.

**Surprise**—Fiery red, black blotches, white margin.

**Tommy Dodd**—Lower petals blush, upper maroon and crimson.

**Mrs. Loyal**—The "Pansy Geranium."

## VAUGHAN'S SEED STORE

NEW YORK. All plants f.o.b. Western Springs. "Spring Book for Florists." Ask for it. CHICAGO.

# The Crego Aster

## THE BEST IN THE MARKET

With its enormous blossoms, long stems and vigorous, healthy plants, this Aster is becoming more valuable to the florist from year to year, and its remarkable success is due to the fact that it has had the benefit of twelve years of the most rigid and painstaking selection, every effort having been directed toward developing its commercial qualities—toward making it a money-maker for every florist who handles it. Growing no other seed of any kind, I am able to give this the closest possible attention.

This aster has proved itself to be exactly what every florist needs; an aster which finds instant favor with his customers, for which they are willing to pay the highest price, and which gives him the largest return for his time and labor. It costs the grower no more to produce flowers of that grade than to grow the common run of asters which sell for but little more than enough to pay express charges.

If you are interested in getting the highest possible returns from your aster crop next summer, I shall be pleased to hear from you at an early date.

I have plenty of white and shell pink, but the supply of rose pink is already very low. Orders for that shade should be sent at once.

Prices for this season: Trade pkt., \$1.00; half-oz., \$3.50; oz., \$6.00. A substantial reduction from last year.

**G. S. CREGO,** 562 East Alder St. Portland, Ore.

### Worcester, Mass.

There was a good attendance at the spring show of the Worcester County Horticultural Society in Horticultural Hall March 3. While it was not as large as other years the flowers and plants were of exceptionally good quality. H. F. A. Lange had a nice display of pot plants, acacias, genistas flowering plums, apples, rhododendrons and rambler roses. He took six firsts and two seconds. The awards were as follows: :

Cut Flowers.—H. F. A. Lange, first; L. C. Midgley, second.

Carnations.—L. C. Midgley, first; H. F. A. Lange, second.

Azalea Indica, one plant.—H. F. A. Lange, first; E. W. Breed, second.

Azalea Indica, three plants.—H. F. A. Lange, first; E. W. Breed, second.

Cineraria.—Allyne W. Hixon, first; L. C. Midgley, second; E. W. Breed, third.

Cyclamens, four plants.—H. F. A. Lange, first; E. W. Breed, second.

Cyclamen, one plant.—E. W. Breed, first; H. F. A. Lange, second.

Hyacinths.—H. F. A. Lange, first; E. W. Breed, second.

Primula Sinensis.—H. F. A. Lange, first; E. W. Breed, second; Allyne W. Hixon, third.

The Aitken flower store being closed

E. S. Bavier, the manager, is now with

H. F. A. Lange. Mr. Aitken, who

conducts a business in Springfield,

started this venture two years ago

but found it did not pay.

The H. F. A. Lange estate has

leased a large store in the heart of

the shopping district which they expect

to occupy about May 1. Mr.

Lange plans to have one of the finest

florist's stores in New England. R.

## A FEW GOOD THINGS YOU WANT.

**Rex Begonia**, 2-in. \$5.00 per 100.

**Asparagus Sprengeri**, 3-in. \$5.00 per 100

**Geraniums**, Nutt. Doyle, Perkins, Grant, La

Favorite, R. C. \$1.25; 2-in. pots. \$2.00; 3-in.,

\$4.00 per 100; Vaud, Castellane, Poitevine,

Jaulin, Ricard, Buchner, R. C. \$1.50; 2-in.

pots, \$2.50; 3-in., \$5.00 per 100; Mme. Sallerol,

2-in., \$3.00 per 100.

**Asparagus Plumosus**, 2-in., \$3.00 per 100; 3-in.,

\$5.00 per 100. Cut fronds 25c per bunch.

**Boston Ferns**, 5-in 25c each. **Whitman Ferns**,

4-in. 25c each.

**Cycas Palms**, 4 to 5 leaves, \$1.00, \$1.50 and \$2.00.

**Vincas Var.**, 2-in. \$2.00 per 100.

Cash with order. No C. O. D. All shipments

at risk of purchasers, after being delivered to the

express companies properly packed in good order

**GEO. M. EMMANS,** Newton, N. J.



## White Killarney, My Maryland, Pink Killarney.

Rooted cuttings and 2½-in. plants. Booking orders now for future deliveries. **The Right Place—The Right Goods—The Right Price—Come and See Them Grow.**

|                      | R.     | C.      | 2½-in. | 1000    |
|----------------------|--------|---------|--------|---------|
| White Killarney..... | \$6.50 | \$60.00 | \$8.50 | \$75.00 |
| Pink Killarney.....  | 4.00   | 35.00   | 6.00   | 55.00   |
| My Maryland.....     | 4.00   | 35.00   | 6.00   | 55.00   |
| Richmond.....        |        |         | 5.50   | 50.00   |
| Brides.....          |        |         | 5.00   | 45.00   |
| American Beauties..  | 4.00   | 35.00   | 7.00   | 65.00   |

3½-in. sizes will be offered, when ready, at 40% increase over 2½-in.

You cannot afford to buy poor stock at 50% less.

**CHRYSANTHEMUMS**, Rooted Cuttings and 2½-in. Good commercial varieties. Price lists will be mailed on request.

Poehlmann Bros. Co., Morton Grove, Ill.

## CANNAS Started Plants.

|                                                             |                |
|-------------------------------------------------------------|----------------|
| King Humbert, .....                                         | \$6.00 per 100 |
| Chas. Henderson and six other standard named varieties..... | \$2.00 per 100 |
| David Harum and Egandale.....                               | \$3.00 per 100 |

W. W. COLES, Kokomo, Ind.

Baltimore.

The promise of spring did not come to full fruition, for, quick as presto, another snowstorm, leaving four inches on the ground, changed the appearance and hopes of things vernal. This was followed by high winds, the very type of March violence and rawnip, unbearable to men, beasts and plants. There was some greater activity in the market last week and by night of Saturday there was a pretty thorough clearance of stock. Carnations are less in evidence, and prices hardened under increasing demands. Roses about supply calls. Violets were in heavy supply, and on one day the Florists' Exchange sold to one street vendor 16,000 at one clip. Bulbous stock is not much seen, efforts being made naturally to keep it back till next week. Callas are on hand by the thousand, with no outlet. The day of the calla seems over here. There is an extra call for white carnations, both for local trade and shipments, the suspicion being that they are to be dyed for St. Patrick's day, which this year is to be celebrated here with a revival of old-time energy and enthusiasm.

The Gardeners' Club has its annual meeting, election and banquet tonight. Eloquence and Wurtzberger will be on tap. Just whether the censorious critic of Philadelphia, who last year pointed out the incongruity of a gardeners' feast without flowers and decorations, will have cause for similar grumbling this year, remains to be seen. The officers elected for the next year cannot be ascertained in time for this week's notes.

The tree trimming in the parks will not down. Major Richard M. Venable, who was president of the park board himself for several years, and who is of great local repute as a lawyer, wit and after-dinner speaker, and a man of common sense as well as learning, has had something to say on the subject. It is pertinent to these columns. Speaking of the "eminent citizens," who were referred to in these notes last week as having petitioned the board against tree pruning, he says: "A careful reading of the list of petitioners, with some knowledge of their antecedents and training, leads me to the conclusion that they know about as much about tree trimming as I do—which is nothing." This is frankness and quite in contrast with the position of General Latrobe, now president of the board. Major Venable adds: "I have

**100,000,000,000 Red** Cut Flowers can be sold Christmas week 1910 at 500% net profit for the grower.

## Neff's 20th Century Red Christmas Novelty.

will supply the increasing demand for red flowers at this season of greatest demand for red. I have experimented seven years with this plant as a Christmas possibility; it is the true Christmas plant possessing every good quality as such as a moneymaking cut flower. It has Poinsettias beat 100 ways; as a pot plant for Christmas it has no equal.

Seeds sown in June I supply the seeds and furnish all information will produce the best **FREE** of cost with necessary instructions crop for Christmas. from month to month.

Wideawake grower don't miss this.

Send 25c in stamps for reply,

L. I. NEFF, Florist,

Bellevue, Penna.

# CONQUEST

LIGHT PINK,  
Overlaid with  
DEEP ROSE.

The most beautiful and attractive, as well as one of the most valuable Carnations in the market today. The blooms sell for 2 to 3 cents more than any other variety in the Chicago market. Why? Because everybody is deeply impressed with its beautiful large flowers on long strong stems the moment they see it, and will not leave your place without taking some of them along. Not only a novelty but a Carnation that can be used in most any way. The plants have an ideal habit, early, free and continuous, therefore you cannot make a mistake by growing Conquest, the best of them all.

Rooted cuttings, strong, well rooted, \$12.00 per 100; \$100.00 per 1000.

Chicago Carnation Co., A. T. PYFER, Joliet, Ill.  
Manager.

# Carnations

ROOTED  
CUTTINGS

|                                                 | Per 100 | Per 1000 |
|-------------------------------------------------|---------|----------|
| Mrs. C. W. Ward .....                           | \$12.00 | \$100.00 |
| Alma Ward .....                                 | 15.00   | 125.00   |
| Mrs. J. C. Vaughan, Bay State and Georgia ..... | 6.00    | 50.00    |
| Robert Craig, Afterglow and Harlowarden .....   | 3.50    | 30.00    |

New Crop Early Flowering Single Chrysanthemum Seed

and Gold Medal Pentstemons

at 25c and \$1.00 per package.

CHARLES H. TOTTY, Madison, N. J.

**JUANITA, (Wah-nee-ta)** A grand scarlet Carnation, with about a 3½-inch flower, well built up with a two foot stem.

**Its Strong Points Are:** Abundance of large, high grade flowers at all times; stem very stiff, with good habit in every way; keeping qualities are wonderful; burst blooms are rare. We have grown it 6 years and will still grow as many as we have now. We have never over propagated it, so its vitality is not impaired. Cuttings will be taken from flower stems which are the best. The color is so bright and rich it takes with every one. We have a very large stock. **Price:** Rooted cuttings \$3.00 per 100; \$60.00 per 1000. Special price in large lots. Unrooted stock half price. A discount of 5% for cash.

THE FILLow FLOWER COMPANY,

Westport, Conn.

learned one lesson as I have walked through the wilderness of this world, which they have not learned, and that is that in a matter of expert knowledge we must consult an expert."

S. B.

Greenville, Mich.

The Greenville Floral Co. is turning about 26,000 feet of glass that has been used for lettuce growing over to cut flower growing and this gives the company seven houses of roses, planted principally to Richmond, Killarney and Bride. Asparagus plumosus has one large house devoted to it; in five carnations are grown and there are three houses for chrysanthemum growing, followed by sweet peas. Bedding plant stock has considerable space devoted to it and when the rearrangement of the houses is complete there will be a fine up-to-date plant.

TRAVELER.

## Rooted Carnation Cuttings

For Immediate Delivery.

**ENCHANTRESS, PERFECTION, BEACON**, \$3.00 per 100; \$25.00 per 1000.

**ROSE PINK and WHITE ENCHANTRESS, WINSOR**, \$2.50 per 100; \$20.00 per 1000.

We can fill orders from 100 to 100,000 and guarantee the stock.

J. D. THOMPSON CARNATION CO., JOLIET, ILL.

TRENTON, Mo.—The Trenton Floral Co. is reported dissolved and L. A. Worder, the president, has gone to St. Louis. The firm's capital was reported at \$3,000.



# Florists' Mums

**T**HE most serviceable kinds for the Florist are those which produce perfect flowers from stock planted in June and July. We grow this kind in large quantity including the best Singles, Pompons and Anemones for sprays.

Size is the chief feature at the Exhibition but is not the prime factor for those who wish blooms that can be sold at a profit.

We also have a full quota of the Exhibition sorts. Write us stating how many of each color of the Early, Midseason and Late you desire.

Our experience is at your disposal. We can supply plants from pots or rooted cuttings.

Catalogue Free on Application.

**ELMER D. SMITH & CO.,**

**Adrian, Mich.**

## EASTER LILIES

### GIGANTEUMS

Fine, clean, well foliaged plants just right for Easter: 5 and 6 in. pots, 10c and 12c per bud.

Hyacinths, 4-in., 15c.

Hydrangeas. Prices on application.

Paper Whites, Von Sions, Tulips, 25c per 6-in. pot or pan.

Single Violets, cut flowers, \$7.50 per 1000.

**CRABB & HUNTER FLORAL CO.,**

**GRAND RAPIDS, MICH.**

Mention the American Florist when writing

## Pansies

Stocky little plants of our best strain, \$2.00 per 100; transplanted plants that will be in bloom for Easter, \$1.50 per 100; \$12.50 per 1000.

DAISIES (Bellis), \$2.00 per 100.

CINERARIAS and PRIMULA Obconica, 4-in. pots \$5.00 per 100.

**J. C. SCHMIDT**

**BRISTOL, PA.**

Mention the American Florist when writing

## Orchids..

We have changed our domicile from Secaucus, N. J., to Mamaroneck, N. Y. We are largest collectors and importers of Orchids and are now booking orders for all the commercial Cattleyas for delivery next spring

**CARRILLO & BALDWIN, Mamaroneck, N. Y.**

**New Orleans.**

Business for the past week, while not altogether dull, has been a little spasmodic, but not so much as might be expected on the eve of Easter. Society events are rather small and informal, but call for the best grade of stock. Orchids have been popular the last 10 days and the local supply has been good. The outlook for lilies is rather gloomy, they being either a week early or a week late. It is a hard matter to time them here, but it is easier to force them at the finish than retard them. A. Allost is one of the fortunate growers to have them in right shape. Business at the plant market is brisk and tree planting is not quite over.

B. M. Wichers, of Gretna has a novelty in water hyacinths. The leaves instead of the usual type, resemble very much the fronds of Pteris serrulata. It reproduces itself from tiny plants which form on the old leaves and then drop on the water. Not one out of many thousands has showed signs of going back to type.

## Orchids! Orchids!!

**Of all Kinds and for all Purposes.**

The following freshly imported orchids have arrived in good shape: **Cattleya Warnerii** and **C. labiata**. Due in a few days **C. Mossiae**, others to follow in rapid succession.

**Write For Prices.**

**LAGER & HURREL,**

**Summit, N. J.**

**True to Type**

**ORCHIDS** **Direct from Collectors.**

**April Importations.**

**Cattleya Trianae**, **Labiata**, **Gaskelliana**, **Schroederæ**, **Mossiae**, **Mendelii**, and **Aurea**; also **Miltonia**, **Vexillaria** and **Roezlii** and all **Denrobiums** and **Phalaenopsis**. **Received early** give good growths and flowers the first season.

**Write**

**G. L. FREEMAN CO., Fall River, Mass.**

**Successors to G. L. FREEMAN, Holyoke, Mass.**

## ORCHID PEAT, (Osmunda Fibre)

Finest quality, hand cleaned, free from sticks and dirt.

In chunks or handpicked ready for use.

Also **Rotted** and **Azalea Peats**, **Leaf Mold**, **Live** or **Baled Sphagnum Moss**.

Prices and samples on application.

**THE C. W. BROWNELL CO.,**

**WALDEN, N. Y.**

## ASPARAGUS, Robustus

|                                                      |                     |
|------------------------------------------------------|---------------------|
| 3-inch, strong, \$5.00 per 100.                      | Per 100             |
| <b>Asparagus</b> , Sprengeri, 3-inch strong.....     | \$5 00              |
| <b>Smilax</b> , 2½-in. strong .....                  | 3 00                |
| <b>Vinca</b> Var., 2½, 3, 4 in.....                  | \$3 00 \$5 00. 9 00 |
| <b>Geraniums</b> , Heteranthe and J. Doyle, 4 in.... | 7 00                |
| <b>Dormant Canna Roots</b> , Allemania, Pennsylv.    | 2 50                |
| King Humbert, New York.....                          | 5 00                |

**WEST END GREENHOUSES,**  
**Hans Schmalzl, Prop.** **Lincoln, Ill.**

Julius Roehrs, Sr., of Rutherford, N. J., was in town for a couple of days. Report has it that he invested in orchids.

J. A. Newsham is still receiving large shipments of orchids from Central America, which are generally in fine shape. X.

## FLOWERING LIST of Soft Wooded Plants.

Grown by

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Send in a list of your wants and ask for prices.

Ageratum, Althernantheras—Red and Yellow. Alyssum—Giant and Dwarf. Artillery Plants. Asters. Begonias. Cannas. Candytuft. Chrysanthemums. Carnations. Cinerarias. Centaurea. Coleus. Cuphea. Cyclamen. Daisies—Marguerites. Queen Alexandra. Yellow Anthemis. Shasta. Fuschias—Four to Six Varieties. Feverfew. Geraniums—red, white, pink and salmon. Heliotrope. Ivy German. Impatiens. Sultanis. Lantanas. Lobelia. Lemon Verbenas. Moonvines. Mignonette. Pansy Plants. Pelargoniums. Petunias. Phlox. Primulas. Pileas. Santolinas. Smilax. Salvia. Stocks. Verbenas. Vincas. Send Cash or Reference.



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## Gladiolus Bulbs in Mixture

First size, \$15.00 per 1000; second size \$10.00 per 1000; third size, \$8.00 per 1000. fourth size, (good planting stock) \$5.00 per 1000. This is one of the finest mixtures ever offered.

FRANK BANNING, Kinsman, Ohio.  
Originator of America and Niagara.

Yonkers, N. Y.

The first annual dinner of the Horticultural Society was held at Park Hill inn on Thursday evening, March 10, and was voted by all as the best ever. About 100 members and their friends from New York, Long Island and other places were present. The dining room was very tastefully decorated and much thanks is due W. H. Waite for the plants used in decorating, also W. Macdonald for arranging the same. All the speakers took occasion to warmly compliment the society on the excellent showing it has made since its start two months ago. They also expressed the hope that success will attend the society in its efforts to hold a show in the fall.

A. T. Boddington, the well known seedsman, presided as toastmaster and his remarks when introducing the speakers were both snappy and humorous. The first speaker was President Bennet, who responded to the toast "The Yonkers Horticultural Society." He gave a brief outline of the work accomplished since the society was formed in January and prophesied great things for the future; he said there was now a membership of 80. Mayor Lennon was the next speaker and congratulated the society on its excellent showing and, on behalf of the city, offered assistance at the show to be held in the fall.

The other speakers and their subjects were as follows: "Kindred Societies," H. A. Bunyard, "The Private Gardener," J. Mooney, "The Nurserymen," J. Scott, "The Visitors," Harry P. Turner, of Castle Gould, "The Seedsmen," Albert Rickards, New York, "The Florists," Louis Melliot, "The Ladies," J. A. Shaw, "The Horticultural Press," J. Pepper. The entertainment was furnished by The Rickards brothers' comic and sentimental songs, James Anderson's baritone solos, and W. H. Waite's tenor solos. The committee in charge of the dinner consisted of W. H. Waite, Hamilton Scott and Peter Macdonald, and much thanks is due them for the very successful way in which the dinner and entertainment was carried out.

L. W.

Lenox, Mass.

The regular meeting of The Horticultural Society was held March 5. President G. Foulsham in the chair, and was largely attended, being full of interest from start to finish. The following were unanimously elected active members of the society, Alfred H. Diprose, Rochester, N. Y.; Joseph Manda, West Orange, N. J.; and L. E. Stickles. The schedule for the year was adopted as read, and the following exhibitions will be held: Annuals and perennials, July 27; fall show, October 26-27; In addition to the society's money prizes for the later show, three silver cups have already

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| King Humbert and Tarrytown.....                                                                                                                                               | 8 00    |          |

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Separate colors—White, Pink, Scarlet, Crimson and Yellow.  
Single.....\$2 50 per 100 Double.....\$4 50 per 100

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Bulbs 6-9 in. circumference.....\$3 00 per 100 9-12 in .....\$6 00 per 100

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Young plants from 2½-inch pots, \$3.50 per dozen; \$25.00 per 100; \$200.00 per 1000. Cash with order.

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Assorted varieties, 2¼-in. pots, \$3.50 per 100;  
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been generously donated: Henry A. Dreer Co., for a group of miscellaneous plants arranged for effect on 100 square feet; Eustace Jaques for 18 varieties of vegetables, and W. B. O. Field for 12 varieties of vegetables, and it is safe to predict that the high standard of vegetable culture for which this city is so famous will be fully maintained this coming fall. E. Jenkins gave an interesting description of the recent Boston midwinter show, congratulating the society on its splendid exhibition, special praise being bestowed on W. Craig's collection of orchids. The annual dinner of the society will be held March 30; and is being looked forward to with much interest by the members and their friends, some excellent talent having been engaged for the occasion. Rose and carnation night will be held April 2, and competition in the various classes will be keen. George Breed will also read a paper on "The Neglected Orchards of The Berkshires."

G. H. I.

## G. Messeberg

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A fine assortment of

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Lilies, Genistas, Cinerarias and many other varieties of flowering plants.

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2¼-in ..... 5.00 per 100

MAGNIFICA (new), 2¼-in... 25.00 per 100

Boston Ferns 2¼-inch,  
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|                                | Per 100 | Per 1000 |
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| Enchantress .....              | \$2.00  | \$18.00  |
| Sarah Hill, white .....        | 4.00    | 35.00    |
| Lawson Enchantress, pink ..... | 2.50    | 20.00    |
| Lawson, pink .....             | 2.00    | 15.00    |
| W. H. Taft, red .....          | 4.50    | 40.00    |
| Beacon, red .....              | 3.00    | 25.00    |
| Victory, red .....             | 2.50    | 20.00    |
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**Helen Frick Chrysanthemum**

\$2.00 and \$3.00 per doz. Stock plants.

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\$5.00 per 100; \$45.00 per 1000; Delivery at once.

**HENRY EICHHOLZ,** Waynesboro, Pa.

Orange, N. J.

The regular monthly meeting of the New Jersey Floricultural Society was held March 11, at its rooms. The exhibition of flowers, the first in a series of contests for 12 silver cups, consisted largely of orchids. That of Lager & Hurrell of Summit, was staged with the taste and harmony now expected of this firm and was under the charge of George W. Strange. Of chief interest were *Cypripedium* *Orion*, *Phalaenopsis* *Stuartiana* and *Epiphronitis* *Veitchii*. Joseph A. Manda displayed *Cattleya speciosissima*, *intermedia*, *superba* and *amethystoglossa*, *Odontoglossum* *Rossi majus*, *Miltonia cuneata* and *Ansella lutea*, all specimen plants of large size and beauty. There were numerous contributions of the season's flowers from the nearby estates. The Rev. Lewis H. Lightipe read a paper upon "Our Native Orchids," illustrated by 50 mounted specimens from his own herbarium. He gave a list of these with description of their habitats. A spirited discussion took place upon the schedule offered for the season, particularly the orchid class. There are seven classes in the schedule.

J. B. D.

LA CROSSE, WIS.—At a meeting of the Florists' Association, March 8, the culture of the Easter lily, details of storing and other points, were discussed. President J. S. Medary presided and Messrs. Theo. Kienahs, Arthur Zoellner and C. E. Schaefer entered into the discussion.

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### GRAFTED ROSES

White Killarney, My Maryland, Pink Killarney, Richmond.

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Rose pots ..... \$15.00 per 100  
3½-inch pots ..... 18.00 per 100

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White Killarney, My Maryland, Richmond, Pink Killarney, American Beauty.

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|                                                       | 100     | 1000 |
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| <b>Asp. Sprengeri</b> seedlings.....                  | 1.00    | 7.00 |
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—Cash, No C. O. D.—

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|                     | Per 100 | Per 1000 |
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| Am. Beauty.....     | \$4.00  | \$35.00  |
| Pink Killarney..... | 2.50    | 20.00    |
| Richmond.....       | 1.50    | 12.00    |
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Alternantheras, red and yellow, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3 per 100. R. Vincent, Jr., & Sons, White Marsh, Md.

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Alyssum, dwarf and giant, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

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Alyssum, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

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Araucarias, D. U. Augspurger & Sons Co., Peoria, Ill.

Araucarias, Bobbink & Atkins, Rutherford, N. J.

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Asparagus Sprengerii, 2-in., 50c per doz.; \$3 per 100; 3-in., 75c per doz.; \$6 per 100; 4-in., \$1.50 per doz.; \$12 per 100. Plumosus, 2-in., 50c per doz.; \$3 per 100; 3-in., 75c per doz.; \$3 per 100; 4-in., \$1.50 per doz.; \$12 per 100. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Asparagus plumosus nanus, from 2½-in. pots, \$2.50 per 100; \$22.50 per 1,000. Cash with order. Floral Hill Gardens, G. F. Kneipp, Prop., Chatham, N. J.

**REPOT TO DOUBLE VALUE.**  
Fine 2-in. Sprengerii, \$2. Strong value to shift now. Plumosus, 2-in., \$2.50; 4-in., \$3. Gullett & Sons, Lincoln, Ill.

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Asparagus plumosus, 2½-in., 3c; 3-in., 6c. Sprengerii, 2½-in., 2c; 3-in., 5c; 4-in., 10c. Mosbaek Greenhouse Co., Onarga, Ill.

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Aspidistras, var., 5-in., \$1 each; 6-in., \$1.50; 7-in., \$2. Green, 5-in., 75c each; 6-in., \$1; 7-in., \$1.50. Vaughan's Seed Store, Chicago and New York.

Aspidistra lurida, variegated, 15c per leaf; green, 8c per leaf. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

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Aucuba Japonica, variegated, 18 ins. 55c each; \$5 per doz.; 24 to 30 ins., \$1.50 each; \$15 per doz.; Japonica type, 18 ins., \$1 each; \$10 per doz. Vaughan's Seed Store, Chicago and New York.

Aucuba Japonica, punctata, 4-ft., \$3 each. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

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Azaleas, Bernard Andreas Alba, Niobe, Helena Theilman, Empress of India, Apollo, De Schryveriana, Dr. Moore, Mme. Van der Cruyssen, Louis Van Houtte, Simon Mardner, Vervaeana, Deutsche Perle, \$1.25 to \$2.50 each. Smaller sizes, Van der Cruyssen, Mardner, Apollo, Niobe, Empress of India, D. Perle, De Schryveriana, Vervaeana, 50c to \$1.25. In bloom, Mme. Petrick, Mardner, D. Perle, Apollo, Vervaeana, 75c to \$1.50. G. Aschmann, 1012 W. Ontario St., Phila.

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Gladolus Alice Carey, the best white in cultivation, No. 1 bulbs, \$5 per 100; \$40 per 1,000. America, No. 1, \$4 per 100; \$30 per 1,000. Golden Nugget, best bright yellow, \$1.50 per doz.; \$10 per 100. Princeps, \$1.25 per doz.; \$8 per 100. List free. E. Y. Teas Co., Centerville, Ind.

Bulbs, tuberoses, 1st size, 4-6 ins., 90c per 100; \$7.50 per 1,000; \$35 per 5,000; medium, 3-4 ins., 60c per 100; \$4 per 1,000; \$17.50 per 5,000. Begonias, gloxinias, gladiolus. Vaughan's Seed Store, Chicago and N. Y.

Bulbs, Caladium esculentum, 11 ins. and up, \$8 per 100; 1st size, 9-11 ins., \$6; 2nd size, 7-9 ins., \$3.50. Weeber & Don, 114 Chambers St., New York.

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Bulbs, Gladioli, Brencleyensis, May, Ceres, Isaac Buchanan, Pactole, La March, yellow and orange, etc. Cinnamon vine, Maderia vines, lilies, iris, oxalis, etc. E. S. Miller, Wading River, N. Y.

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Bulbs, gladiolus, mixed, 1st size, \$15 per 1,000; 2nd, \$10; 3rd, \$8; 4th, \$5. Frank Banning, Kinsman, O.

Caladium esculentum, 3 to 5-in., circumference, \$1.50 per 100. Wagner Park Conservatories, Sidney, O.

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Cannas, Buttercup, B. de Poltevine, F. Vaughan, Pierson's Premier, Rohallion, Robt. Christie, Souv. d'A. Crozy, Pennsylvania, Crimson Bedder, F. Benary, \$3 per 100; \$25 per 1,000. Golden King, Mlle. Berat, L. Patry, Austria, Robusta, \$2 per 100; \$15 per 1,000. King Humbert and Tarrytown, \$8 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Cannas, Sec. Chabanne, Paul Marquart, Cinnabar, \$1.75 per 100. Pennsylvania, Robusta, Mlle. Berat, \$1.00. Beate Poltevine, Pres. Viger, \$3. Papa Nardy, \$5. Wagner Park Conservatories, Sidney, Ohio.

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Cannas, Allemania, Pennsylvania, Kate Gray, \$2.50 per 100. King Humbert, New York, \$5. West End Greenhouses, Lincoln, Ill.

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Cannas, good assortment of fine large lilies. Write for price list. Mosback Greenhouse Co., Onarga, Ill.

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Cannas, R. Vincent, Jr., & Sons Co., White Marsh, Md.

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Cacti. Over 100 varieties of cacti, from \$7 per 100 up. Write for free 28-page catalogue, and prices to the trade. Also Mexican Resurrection plants, The Francis E. Lester Company, Dept. L. S., Mesilla Park, N. M.

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Carnations, Conquest, Sangamo, Mary Tolman, \$12 per 100; \$100 per 1,000. White Perfection, Daybreak, Lawson, R. P. Enchantress, Winona, Winsor, Splendor, Aristocrat, Afterglow, Lawson—Enchantress, Victory, A. Carnegie, \$3 per 100; \$25 per 1,000. Enchantress, \$2.50 per 100; \$20 per 1,000. May Day, \$6 per 100; \$50 per 1,000. Alvina, \$5 per 100; \$45 per 1,000. O. P. Bassett, \$6 per 100; \$50 per 1,000. Gov. Deneen, \$5 per 100; \$45 per 1,000. Chicago Carnation Co., Joliet, Ill.

Carnations, Enchantress, \$2 per 100; \$13 per 1,000. Red Victory, Var. Lawson, \$2.50 per 100; \$20 per 1,000. White Sarah Hill, \$4 per 100; \$35 per 1,000. Pink Lawson—Enchantress, \$2.50 per 100; \$20 per 1,000. Pink Lawson, \$2 per 100; \$15 per 1,000. W. H. Taft, \$4.50 per 100; \$40 per 1,000. Beacon, \$3 per 100; \$25 per 1,000. Scheiden & Schoos, 517 Asbury Ave., Evanston, Ill.

Carnations, Mrs. C. W. Ward, \$12 per 100; \$100 per 1,000. Alma Ward, \$15 per 100; \$125 per 1,000. Mrs. Vaughan, Bay State, Georgia, \$6 per 100; \$50 per 1,000. Robert Craig, Afterglow, Harlowarden, \$3.50 per 100; \$30 per 1,000. Charles H. Totty, Madison, N. J.

Carnations, Winsor, White Perfection, Beacon, Pink Enchantress, \$2 per 100; \$17.50 per 1,000. Same vars., 2½-in., \$3 per 100; \$25 per 1,000. Boston market, \$10 per 1,000. The Florex Gardens, North Wales, Pa.

Carnations, well rooted cuttings ready now. Beacon, Winona, Afterglow, Red Nelson Fisher, \$3 per 100; \$25 per 1,000. Winsor, \$2 per 100; \$18 per 1,000. O. P. Bassett, \$6 per 100; \$50 per 1,000. A. C. Canfield, Springfield, Ill.

Carnations, Victory, \$1.50; Lawson—Enchantress, \$2; Bassett, \$3.50; Penn. \$1 per 100. W. Perfection, R. P. and Enchantress, \$1.50 per 100; Lawson and Winsor, \$1.25. A. M. Herr, Lancaster, Pa.

Carnation, Mrs. C. W. Ward, R. C., \$2 per 12; \$12 per 100; \$100 per 1,000; 2-in. pots, \$15 per 100. Cottage Gardens Co., Inc., Queens, L. I., N. Y.

Carnations, new seedlings, deep crimson and bright pink, \$8 per 100; \$75 per 1,000. Rose Pink Enchantress, \$5 per 100. Dingee & Conard Co., West Grove, Pa.

Carnations, Enchantress, Perfection, Beacon, \$3 per 100; \$25 per 1,000. Rose Pink Enchantress, Winsor, \$2.50 per 100; \$20 per 1,000. J. D. Thomson, Carna. Co., Joliet, Ill.

Carnation Juanita, \$8 per 100; \$60 per 1,000. The Fillow Flower Co., Westport, Conn.

Carnation Scarlet Glow, \$12 per 100; \$100 per 1,000. F. Dorner & Sons Co., Lafayette, Ind.

Carnations, Shasta, Sangamo, Scarlet Glow, Mary Tolman, Conquest, Admiration, \$12 per 100; \$100 per 1,000. Vaughan's Seed Store, Chicago and New York.

Carnations, Sangamo, Conquest, Mary Tolman, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., Joliet, Ill.

Carnations, Apple Blossom and Wanoka, strong rooted cuttings, delivery Jan. 1. Wanoka Greenhouses, Barneveld, N. Y.

Carnations. Wood Bros., Fishkill, N. Y.

Carnations. J. L. Dillon, Bloomsburg, Pa.

## CHRYSANTHEMUMS.

Chrysanthemums, Monrovia, \$3 per 100; \$25 per 1,000. Oct. Frost, \$3 per 100. Virginia Poehlmann, \$4 per 100; \$35 per 1,000. Edmond Albe, \$35 per 100. E. G. Hill Co., Richmond, Ind.

Chrysanthemums, snow white sport of Helen Frick, stock plants, \$3 per doz.; small plants, \$2 per doz. Henry Elchholz, Waynesboro, Pa.

Chrysanthemums, Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemum Mrs. Jane Cockburn, \$6 per 100; \$50 per 1,000. Samuel Cockburn & Sons, 233rd St. and Verlo Ave., New York.

Chrysanthemums, hardy pompons, \$2 per 100; \$18.50 per 1,000; one each of 100 vars., \$5. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Gloria, a large early Enchantress pink Mum, R. C., now ready, 25, \$1; 100, \$3.75, prepaid. Chas. Frost, Kenilworth, N. J.

Chrysanthemum novelties. Charles H. Totty, Madison, N. J.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

Chrysanthemums, 75 vars., \$15 per 1,000. Wm. J. Ehmann, Jr., Corfu, N. Y.

## CINERARIAS.

Cinerarias, 6-in., 25c to 35c each. G. Aschmann, 1012 W. Ontario St., Phila.

Cinerarias, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

## CLEMATIS.

Clematis, Bobbink & Atkins, Rutherford, N. J.

Clematis paniculata, field, 1-yr., 6c each; 2-yr., 10c. Dingee & Conard Co., West Grove, Pa.

## COLEUS.

Coleus, Golden Bedder and Verschaffelti, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Coleus, fine 2½-in. stock, 2c, 16 kinds. Mosback Greenhouse Co., Onarga, Ill.

Coleus, 10 kinds. Byer Bros., Chambersburg, Pa.

Coleus, 10 vars., 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus. J. L. Dillon, Bloomsburg, Pa.

## CROTONS.

Crotons, 3-in., 20c each; \$2 per doz.; 4-in., 35c each; \$3.50 per doz.; 5-in., 50c each; \$6 per doz.; 6-in., \$1 each; \$10 per doz. Vaughan's Seed Store, Chicago and N. Y.

Crotons, Fred Sander, 3-in., \$1 each; \$10 per doz.; 5-in., \$2 each; \$20 per doz. Julius Roehrs Co., Rutherford, N. J.

## CYCLAMEN.

Cyclamen, transplanted seedlings, from flats, strong, stocky plants, separate colors or mixed, 2½c. Snow Queen, large fringed crested white, 4c. J. L. Schiller, Toledo, O.

## DAHLIAS.

Dahlias, six novelties of special merit, Corona, Charles Clayton, W. K. Jewett, Manitou, Princess Yelive, The Baron, other novelties and the best standard varieties. The best is the cheapest. Prices reasonable and fair dealing guaranteed. Hollyhocks and other hardy plants. Catalogue. W. W. Wilmore, Box 382, Denver, Colo.

Dahlias, Black Beauty, Elegante, \$3 per 100; Arabella, Earl of Pembroke, \$4 per 100; field-grown, undivided roots. Order today. Wagner Park Conservatories, Sidney, Ohio.

Ohio dahlia, field roots, 75c each; \$8.50 per doz. J. M. McCullough's Sons Co., 316 Walnut St., Cincinnati, O.

Dahlias, R. Vincent, Jr., & Sons Co., White Marsh, Md.

Dahlias. Pape & Bergmann, Quedlinburg, Germany.

## DAISIES.

English daisies, dbl. 2½-in., extra heavy, \$3 per 100. Wagner Park Conservatories, Sidney, O.

Marguerite Queen Alexandra, 4-in., 25c each; \$2.50 per doz. Vaughan's Seed Store, Chicago and New York.

Daisies, \$2 per 1,000. J. C. Schmidt, Bristol, Pa.

## DRACENAS.

Dracena fragrans, 5-in., 35c each; \$4 per doz. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Dracaena indivisa, 4-in., 12c. Mosback Greenhouse Co., Onarga, Ill.

## EASTER STOCK.

Easter plants of all kinds. For varieties and prices see page advertisement in this issue. Robt. Craig Co., 49th and Market St., Philadelphia.

50,000 Easter lilies. Alfred H. Langjahr, 55 W. 28th St., New York.

In blooming plants for Easter we have Lilies running 2, 3, 4 and 5 buds, at 12½c to 15c per flower. These are packed in paper pots, so they will go through in good shape. Azaleas, at \$1, \$1.25 and \$1.50 each. Spireas, extra fine, 35c, 50c and 75c each. Cyclamen, 3-in., at 8c. Primula obconica, 3-in., 7½c; 4-in., 10c. Hyacinths, 4-in., assorted colors, 10c; 5-in., 15c; 5-in. pans of tulips, Von Slon, Paper Whites and Narcissus at 20c. Baby Rambler roses, 3-in., \$12.50; 4-in., \$25; 5-in., \$50 per 100. Other roses, such as Hermosa and Souperis, 3½-in., at \$12.50; 5-in. pots at 40c; and 6-in., at 50c. Cinerarias, 4-in., 15c, and 5-in., 25c. Hydrangeas, 4-in., 25c; 5-in., 50c; 5-in., 75c; 8-in., very large plants, 4 to 5 heads in bloom at present time, at \$1.50 to \$2 each. Let us hear from you promptly. Kindly give us shipping directions, what express company you want, etc. Send cash or reference. Geo. A. Kuhl, Pekin, Ill.

Easter plants: Azalea, 5½ to 8-in., 75c to \$5 each; larger, \$6 to \$10; pyramids, \$4 and \$5. Lilies, \$12 per 100 buds; \$120 per 1,000. Lilacs, white and blue, 8 and 9-in., \$1.50 to \$3 each. Spirea Gladstone, \$6 to \$12 per doz.; Queen Alexandra, 75c to \$1.25 each. Hyacinths, single, \$2 per doz.; miniature, 6, 7 and 8-in. pans, 35c to \$1 a pan. Trumpet narcissus, 35c to \$1 a pan. Lily of the valley, 5-in. pots, 35c each; 6-in., 50c; 7-in., 75c; 8-in., \$1. Dwarf roses, Baby Dorothy, Baby Rambler, \$6 to \$12 per doz.; Mme. Cutbush, 6½ and 7-in. \$12 to \$13 per doz.; large plants of Dorothy Perkins, \$1.50 to \$7 each; star-flowered Rambler, 6½-in., \$1.50 to \$2 each. Crimson Rambler, 6½ to 9-in., \$2 to \$3 each. Anton Schultheis, 316 19th St., College Point, N. Y.

Easter plants: Lilies, 12c to 15c. Azaleas, \$9 to \$60 per doz. Hydrangeas, 75c to \$5 each. Spirea, \$6 to \$12 per doz. Roses in pots, \$9 to \$12 per doz.; pans, \$2 to \$3 each. Baby Rambler, \$9 to \$18 per doz. Crimson Rambler, \$1.50 to \$2.50 each. D. Perkins, \$2 to \$15 each. Bottle brush plants, \$1.50 to \$2 each. H. C. Steinhoff, West Hoboken, N. J.

Easter lilies, \$12.50 and \$15 per 100. Pot plants per bud, \$16 per 100. Miami Floral Co., 24 North Main St., Dayton, O.

Easter lilies, roses, carnations, valley, violets, daffodils, freesias and smilax. Domoto Bros., 27 Lick Place, San Francisco.

## FERNS.

### FERNS FOR FERN DISHES.

Extra strong, healthy, bushy, full-grown 2½-in. stock, guaranteed to please; assortment of 12 best varieties, \$3 per 100; \$25 per 1,000; 250 at 1,000 rate. CIBOTIUM SCHIEDEI, king of ferns, the pride of every flower store. Orders booked now for young stock for growing on. Ready March, April and May. J. F. Anderson, Fern Specialist, Short Hills, N. J.

Ferns, Boston, baskets, 10-in., \$1 each; 3-in. pots, \$1 per doz.; \$3 per 100; 4-in., \$1.50 per doz., \$12 per 100; 5-in., \$3 per doz.; \$25 per 100; 6-in., \$5 per doz., \$40 per 100; 7-in., \$9 per doz., \$70 per 100; 8-in., \$12 per doz.; \$90 per 100; 9-in., \$15 per doz. Ferns for dishes, 2-in., 50c per doz., \$3.50 per 100. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Ferns, assorted for dishes, 10 of the best varieties, strong, healthy, full grown plants, from 2½-in. pots, \$3 per 100; \$25 per 1,000; 3-in., \$6 per 100. Asparagus plumosus, 3-in. pots, \$6 per 100; \$50 per 1,000. Cocos Weddelliana, 2½-in. pots, 8 to 10 ins. high, \$10 per 100; \$85 per 1,000. Frank N. Eskesen, Madison, N. J.

Ferns, Boston, 3-in., 15c each; \$1.25 per doz.; \$8 per 100; 4-in., 25c each; \$2.50 per doz.; \$20 per 100; 5-in., 40c each; \$4.50 per doz.; \$35 per 100; 6-in., 75c each; \$8 per doz.; \$60 per 100; 7-in., \$1 each; \$10 per doz.; \$75 per 100; 8-in., \$1.25 each; \$14 per doz.; \$100 per 100. Vaughan's Seed Store, Chicago and New York.

Ferns, Improved Elegantissima, 4-in., \$3 per doz.; 6-in., \$9 per doz.; 8-in., \$12 to \$18 per doz. Superbissima, 4-in., \$3 per doz.; 6-in., \$6 to \$9 per doz.; 8-in., \$12 to \$18 per doz. Boston, Pieroni, Whitman, Scotti, 6-in., \$6 per doz.; 8-in., \$12 per doz. F. R. Pierlon Co., Tarrytown, N. Y.

Pteris, extra strong, 3½-in., \$10 per 100, worth \$15. Cash with order. Samples on request. Fox Point Floral Co., 918 Bartlett Ave., Milwaukee, Wis.

Ferns, Boston, Pieroni, Barrowsi, Scotti and Elegantissima, 2-in., \$3 per 100; 4-in., \$15 per 100. Wagner Park Conservatories, Sidney, O.

Ferns of all kinds, Bostons, Whitman, Amerpohl, Pieroni and Scotti from 2½ to 10 inches. Send cash or reference. Write Geo. A. Kuhl, Pekin, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It



Ferns, Boston, Pieroni, Elegantissima, 5-in., 35c; 6-in., 50c. Whitmani, 4-in., 15c; 6-in., 25c; 6-in. 50c each. Cash. H. Madson, 395 New Bridge St., West Springfield, Mass.

Ferns, Neph. Todeaoides, 5½, 6 and 7-in., 35c to \$1 each. Pteris Victoria, 6-in. pans, 30c per pan. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Nephrolepis Whitmani, 4-in. pots, 8c each; 3-in. pots, 5c each; 2½-in. pots, 3c each; 2½-in. 2½c each; runners, 1c. Ley & Bro., Highland, N. Y.

Ferns, Boston, Pieroni, Elegantissima, Scottii, Amerpohli, D. U. Augspurger & Sons Co., Peoria, Ill.

Ferns for dishes, asst., 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

Fern Nephrolepis Giatrasii, 2½-in., \$3.50 per doz.; \$25 per 100; \$200 per 1,000. George Giatras, 463 Summit Ave., W. Hoboken, N. J.

FERNs, Boston, 2-in. pots, \$2.50 per 100. Pieroni, 2-in. pots, \$2.50 per 100. Cash. Chillicothe Floral Co., Chillicothe, O.

Ferns, Whitmani, 4-in., 10c; 2½-in., 3c; \$25 per 1,000. John A. Doyle, Springfield, O.

Ferns, Boston, 3-in., 25c each. Whitmani, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns, Scottii, 5-in., 20c; 6-in., 30c. W. W. Coles, Kokomo, Ind.

Ferns, Whitmani, 2½-in., \$5 per 100. Henry H. Barrows & Sons, Whitman, Mass.

Ferns, Boston, 4-in., \$1.50 per doz. W. W. Coles, Kokomo, Ind.

### FEVERFEW.

Feverfew, 2½-in., \$3 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

### FICUS.

Ficus elastica, 5-in., 35c each; \$4 per doz.; 6-in., 50c each; \$6 per doz. Pandurata, 6-in., \$2.50 each. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Ficus elastica, 22-24 ins., \$6 per doz.; \$50 per 100. Frank Oechslein, 4911 Quincy St., Chicago.

Rubber plants, 5 and 6-in., \$3 per doz. W. W. Coles, Kokomo, Ind.

### GENISTAS.

Genista racemosa, 4-in., 30c each; \$3.25 per doz.; 6-in., 75c each; \$8 per doz. Vaughan's Seed Store, Chicago and N. Y.

### GERANIUMS.

Geraniums, strong 2-in. stock, Heteranthe, Nutt, Jean Vlaud, La Favorite, L'Aube, Hill, \$2 per 100; \$18 per 1,000. Our selection, \$17 per 1,000. Pamela, \$4 per 100. Anastasie Lecadre, \$3 per 100. Red Wing, the best novelty of the season, 25c each; \$2.50 per doz. Write for geranium catalogue. F. H. De Witt & Co., Wooster, Ohio.

Geraniums, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Vlaud, Castellane, Poltevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$5 per 100. Mme. Sallerol, 2-in., \$3 per 100. G. M. Emmans, Newton, N. J.

Geraniums, standard vars., 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. Apple scented, 2-in., \$2 per 100; 3-in., \$3. Ivy leaved, 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr. & Sons, White Marsh, Md.

Geranium, Ricard, Nutt, Buchner, from 2 and 2½-in. pots, extra fine lot of strong, cool grown plants, \$2.25 per 100; \$20 per 1,000; mixed, \$2 per 100; \$18 per 1,000. Well packed. J. R. Brooks, Oxford Depot, N. Y.

Geraniums, Heteranthe, Doyle, 4-in., \$7 per 100. West End Greenhouses, Lincoln, Ill.

Geraniums, 8 vars., 2½-in., \$3 per 100; \$25 per 1,000. Jos. H. Cunningham, Delaware, O.

Geraniums, fine 3-in., \$5 per 100; \$50 per 1,000; 4-in., 10c each. Mosbaek Greenhouse Co., Onarga, Ill.

Geraniums, Mme. Sallerol, 3-in., \$2.50 per 100. Wagner Park Conservatories, Sidney, O.

Geraniums, dbl. Grant, Castellane, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Geraniums, leading vars., 3-in., \$3.50 per 100. F. C. Riehe, Webster, Mass.

Geraniums, Nutt, \$10 per 1,000; Poltevine and Ricard, \$12.50. A. M. Herr, Lancaster, Pa.

### GREENS.

Greens, cut palmetto and cycas leaves, galax, leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St. New York.

Greens, fancy and dagger ferns, \$1.75 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large Bales, \$1.25; Leucothoe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch, 60 lbs., \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, dagger and fancy ferns, \$1.50 per 1,000. Bronze and green galax, \$1 per 1,000; \$8.50 per 10,000. Leucothoe Sprays, \$1 per 1,000; \$7.50 per 10,000. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, hardy ferns, \$1.25 per 1,000. Baled spruce for cemetery use. L. B. Brague & Son, Hinsdale, Mass.

Greens, southern wild smilax, Log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cottonas & Co., 33 W. 28th St., New York.

Greens, bronze and green galax. T. J. Ray & Co., Elk Park, N. C.

Wild Smilax, 50-lb. case, \$2. Dagger ferns. D. S. Crum, Pine Apple, Ala.

### HARDY PLANTS.

Dreer's special offer of hardy perennial phloxes. See page advertisement in this issue for prices and varieties. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Hardy perennial plants. For varieties and prices, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Perennials. All of the most desirable varieties. Let us know your wants. Wagner Park Conservatories, Sidney, O.

Hardy plants. Special prices on field stock to close out. Write if interested. Mosbaek Greenhouse Co., Onarga, Ill.

### HELIOTROPES.

Heliotrope, Miss Bernice, 2½-in., \$8 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Heliotrope, rooted cuttings, 75c per 100, prepaid. A. W. Higgins, Westfield, Mass.

Heliotrope, \$1 per 100; \$3 per 1,000. S. D. Brant, Clay Center, Kans.

### HYDRANGEAS.

Hydrangea Arborescens Grandiflora Alba. The true large flowering forcing variety, warranted true, 2½-in. pots, \$3 per 100; 1-year field-grown, strong, 12 to 18 inches, \$5 per 100; \$55 per 1,000. New trade list ready. Write for it today. The Good & Reese Co., The Largest Rose Growers in the World, Springfield, O.

Hydrangea Arborescens Grandiflora. We have the largest stock of strong 2-year plants in America. Plants 2 to 3 feet, \$2.50 per doz.; \$15 per 100; \$140 per 1,000. Good plants, 15 to 20 inches, \$10 per 100. List free. E. Y. Teas, Centerville, Ind.

Hydrangea Arborescens Grandiflora Alba (grown from stock obtained from The E. G. Hill Co.). Field grown 15 to 20 ins., \$7 per 100; \$65 per 1,000; a smaller size, \$5 per 100; 2½-in., \$3 per 100; \$25 per 1,000. John A. Doyle, Springfield, O.

Hydrangeas, R. C., \$1.50 per 100; 2-in., 50c per dozen; \$4 per 100; 3-in., \$1 per doz.; \$8 per 100. D. U. Augspurger & Sons Co., Box 778, Peoria, Ill.

Hydrangea Hortensis, heavy plants in 8-in. pots, \$12 per 100; 10-in., extra heavy, \$15. Wagner Park Conservatories, Sidney, Ohio.

Hydrangea paniculata, grandl. 18 to 24 ins., 6c; 2 to 3 ft. 9c. Dingee & Conard Co., West Grove, Pa.

### IVY.

Ivy, English, pot-grown plants, 4-in. pots, 3-ft. long, 3 to 5 branches, \$12 to \$15 per 100. A. L. Miller, Jamaica Opp. Schenck Ave., Brooklyn, N. Y.

Ivy, German and parlor, 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

### LANTANAS.

Lantanas, 5 vars., 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

### LILACS.

Lilacs. Jacs Smits, Naarden, Holland.

### LILY OF THE VALLEY.

To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden Holland.

Lily of the valley, London Market, \$1.75 per 100; \$14 per 1,000. Premium, \$1.50 per 100; \$12 per 1,000. International, \$1.25 per 100; \$10 per 1,000. Vaughan's Seed Store, Chicago and New York.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

### From Storage.

Lily of the valley, cold storage, 250, \$3.50; per 1,000, \$13. W. C. Beckert, Northside, Pittsburg, Pa.

Lily of the valley. H. N. Bruns, 3040 W. Madison St., Chicago.

### LOBELIA.

Lobelia Kathleen Mallard, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

### MOSS.

Select Sphagnum for window dressing, long and clean; guaranteed first-class (2) 10 bbl. bales, \$5.50; (2) 5 bbl. bales, \$3.50. W. H. Stackhouse, Mgr., Waretown, N. J.

### MYOSOTIS.

Myosotis, extra strong seedling stock, 3-in. pots, 3c. Mosbaek Greenhouse Co., Onarga, Ill.

### MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

Mushroom Spawn. Sure Crop, \$8 per 100 lbs. Weeber & Don, 114 Chambers St., N. Y.

### NURSERY STOCK.

Nursery stock, Norway maples, 14 to 18 ft. Rhododendron hybrids, 1-3 ft.; Maximum, 3-6 ft. Koster blue spruce, 4-5 ft. and 5-6 ft. Cal. privet, 2-3 ft., 3-4 ft. Fruit, shade and ornamental trees and shrubs. Morris Nursery Co., 1 Madison Ave., New York.

Viburnum plicatum, 2 to 3 ft. 12c; 3 to 3½ ft., 15c each. Dingee & Conard Co., West Grove, Pa.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, Clematis, ampelopsis, tree hydrangeas, lilacs, shrubs, vines and perennials. Jackson & Perkins, Newark, N. Y.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock arbor vitae (Thuja occidentalis), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Rasberries, transplanted and good strong tips. Parks & Schaufelberger, Penfield, N. Y.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

### ORCHIDS.

Orchids importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchid peat, rotted azalea peat, leaf mold, live or baked sphagnum moss. C. W. Brownell Co., Walden, N. Y.

Orchids. Largest stock in the country. Ask for prices. Julius Roehrs Co., Rutherford, N. J.

Orchids, all commercial, cattleyas and novelties, Carillo & Baldwin, Seacausus, N. J.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids, G. L. Freeman, 388 Appleton St., Holyoke, Mass.

### PALMS.

Palms, Kentia Bel, 6-in., 20 to 24 ins., \$1; 7-in., 24 to 26 ins., \$1.50; 7-in., 26 to 28 ins., \$2; 8-in., 32 to 34 ins., \$2.50; 8-in., 34 to 38 ins., \$3.50. Kentia Fors., 6-in., 34 to 36 ins., \$1.50; 7-in., 36 to 40 ins., \$2.50; 8-in., 40 to 44 ins., \$3.50; 8-in., 44 to 48 ins., \$4.50; 10-in., 5½ ft., \$8. Made-up Fors., 3 plants in tub, 7-in., 40 to 44 ins., \$4; 8-in., 44 to 48 ins., \$5; 10-in., 44 to 48 ins., \$6; 10-in., 48 to 52 ins., \$7; 10-in., 50 to 54 ins., \$8; Phoenix Roebelenii, 5-in., \$1 each; \$10 per doz. Storrs & Harrison Co., Painesville, O.

Palms, Kentia Fors., 35 to 50 ins., \$1.50 to \$3 each; 4-in., 20c. Belmoreans, 4-in., 25c; 3-in., 10c. Cocos Wedd., 3-in., 15c. Lantania Torb., 4-in., 20c. Areca lutescens, 5-in., 35c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Kentias, in 2½-in. pots, \$8 per 100; \$75 per 1,000. Jackson & Perkins Co., Newark, N. Y.

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Palms, *Areca lutescens*, made-up, 3-in., 10 to 12 in., \$2 per doz.; 4-in., 16 to 18 ins., 25c each; \$3 per doz.; 7-in., 30 to 32 ins., \$2 each; \$24 per doz.; 8-in., 32 to 36 ins., \$3 each; \$36 per doz. *Cocos Wedd.*, 2-in., \$1.50 per doz.; 3-in., \$2.50 per doz. *Latania Borb.*, 3-in., 10 to 12 ins., \$1.50 per doz.; \$10 per 100; 4-in., 12 to 15 ins., 25c each; \$3 per doz.; \$25 per 100; 5-in., 15 ins., 40c each; \$4.50 per doz.; \$35 per 100; 6-in., 18-ins., 50c each; \$6 per doz.; \$50 per 100; 7-in., 20 to 24 ins., 75c each; \$9 per doz. *Kentia Bel.*, 2½-in., 8 to 10 ins., \$1.50 per doz.; \$10 per 100; 3-in., 12 ins., \$2 per doz.; \$15 per 100; 4-in., 14 to 16 ins., 50c each; \$4.50 per doz.; \$35 per 100; 6-in., 26 to 28 ins., \$1.50 each; \$18 per doz.; 7-in., 28 ins., \$1.75 each; \$21 per doz.; 7-in., 28 to 30 ins., \$2.50 each; \$30 per doz.; 8-in., 34 to 36 ins., \$4 each; 8-in., 30 to 36 ins., \$3.50 each; 9-in., 36 to 42 ins., \$6 each. *Kentia Fors.*, 2-in., 6 to 7 ins., \$1.50 per doz.; 3-in., 10 to 15 ins., \$2; 4-in., 16 to 18 ins., \$4.50; 5-in., 24 to 28 ins., 75c each; 6-in., 28 to 30 ins., \$1; 6-in., 30 ins., \$1.25; 7-in., 32 to 34 ins., \$1.50; 7-in., 37 to 40 ins., \$2.50; 7-in., 42 to 44 ins., \$3.50; 8-in., 48 to 54 ins., \$5; 9-in., 60 to 62 ins., \$7; made-up, 7-in. tubs, 30 to 34 ins., \$3 each; 8-in., 42 to 46 ins., \$5; 9-in., 48 to 50 ins., \$6; 10-in., 54 to 60 ins., \$10. *Phoenix Can.*, 8-in. tubs, 36 to 40 ins., \$2.50 each; \$30 per doz.; *Roebelenii*, 3-in., 25c each; \$3 per doz.; 4-in., 50c each. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Palms, *Kentias*, *Latanias*, *Phoenix*. D. U. Augspurger & Sons Co., Peoria, Ill.

Palms, *Kentias*. Joseph Heacock Co., Wyncote, Pa.

Palms, Bobbink & Atkins, Rutherford, N.J.

## PANDANUS.

*Pandanus utilis*, 3-in., 10 to 12 ins., \$2 per doz.; 4-in., 12 to 14 ins., 25c each; \$3 per doz.; 5-in., 16 to 18 ins., 50c; \$5 per doz.; 6-in., 18 to 20 ins., 75c each; \$9 per doz. *Veitchii*, 4-in., 50c each; \$6 per doz.; 5-in., 75c each; \$9 per doz.; 6-in., \$1 each; \$12 per doz.; 6-in., \$1.50 each; \$18 per doz.; 8-in., \$2.50 each; \$30 per doz. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

## PANSIES.

Pansy plants, large, extra strong, fall sown, from cold frames, in bud, German strain, \$2.50 per 100; \$18 per 1,000. H. S. Keicher & Sons, Webster Grove, Mo.

Pansy plants, 50c per 100; \$2.50 per 1,000; large plants, \$2.50 per 100. Jos. H. Cunningham, Delaware, O.

Pansies, German strain, \$2.50 per 1,000. F. C. Riebe, Webster, Mass.

Pansies, fine strong plants, \$5 per 1,000. Mosbaek Greenhouse Co., Onarga, Ill.

Pansies, \$2 per 1,000. J. C. Schmidt, Bristol, Pa.

## PELARGONIUMS.

*Pelargoniums*, novelties, 2½-in., 25c each; \$2.50 per doz. *Emanuel Lias*, King Haakon, King of Spain, *Ladas*, *Lady Churchill*, *Prince Olaf*. Standard sorts, 2½-in., \$1.50 per doz.; \$10 per 100; 3-in., \$2 per doz.; \$12 per doz. Countess, *Dorothy*, *Goldmine*, *Mme. Thibaut*, *Mme. Vibert*, *Mrs. R. Sandiford*, *Marie Mallet*, *Princess May*, *Sandiford's Best*, *Sandiford's Wonder*, *Surprise*, *Tommy Dodd*, *Mrs. Loyal*. *Vaughan's Seed Store*, Chicago and New York.

*Pelargoniums*, *Mme. Vibert*, *Sandiford's Surprise*, *Linda*, *Dorothy*, *Mme. Thibaut*, strong, 2-in., \$6 per 100. F. H. DeWitt & Co., Wooster, Ohio.

## PEONIES.

PEONIES, *Edulus Rosea*, fine pink, \$4 per 100; *Hamlet*, red, \$5; *Ivory*, white, \$6; prices of other varieties on application. *Wagner Park Conservatories*, Sidney, O.

Peonies all vars., *Jacs Smits*, Ltd., Naarden, Holland.

Peonies, leading vars., W. & T. Smith Co., Geneva, N. Y.

Peonies only by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

Peonies, sixteen acres. Write for prices. *Gilbert H. Wild*, *Sarcocle*, Mo.

Peonies, a superb collection. *Jackson & Perkins Co.*, Newark, N. Y.

## PETUNIAS.

*Petunias*, *Drser's Single Superb* and dbl. mixed, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. *R. Vincent, Jr. & Sons Co.*, White, Marsh, Md.

*Petunias*, unrooted cuttings, 40c per 100; \$3 per 1,000; rooted, \$1 per 100; \$7.50 per 1,000. J. Lietzan, Geneva, Ill.

*Petunias*, dbl., \$3 per 100. *Joseph H. Cunningham*, Delaware, O.

*Petunias*, dbl., 2-in., \$2 per 100. *Byer Bros.*, Chambersburg, Pa.

## PRIMULAS.

*Primulas*, Chinese and obconica, 3-in., \$4 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

*Primula obconica*, in fine bloom, \$5 to \$8 per 100. *Mosbaek Greenhouse Co.*, Onarga, Ill.

*Primula obconica* in bloom, \$12 to \$50 per 100. *Wm. J. Ehmann, Jr.*, Corfu, N. Y.

*Primula obconica*, 2½-in., \$2 per 100; 300 for \$5. *J. C. Schmidt*, Bristol, Pa.

## PRIVET.

50,000 California privet and *Ampelopsis Veitchii*, field-grown. *Benj. Connell*, Merchantville, N. J.

California privet, 10 to 15 inches, branched, \$10 per 1,000. Larger sizes at low rates. *E. Y. Teas*, Centerville, Ind.

## RHODODENDRONS.

*Rhododendrons*, 18 ins., 8 to 12 buds, \$9 per doz.; 24 ins., 12 to 15 buds, \$12. *Storrs & Harrison Co.*, Painesville, O.

*Rhododendrons*, \$6, \$9, \$12, \$15, \$18 per doz. *Bobbink & Atkins*, Rutherford, N. J.

*Rhododendrons*. *Jacs Smits*, Ltd., Naarden, Holland.

## RESURRECTION PLANTS.

Resurrection Plants.—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. *The Francis E. Lester Company*, Dept. L. S., Mesilla Park, N. M.

## ROOTED CUTTINGS.

Rooted Cuttings; *Coleus*, 10 varieties, 60c per 100; \$5 per 1,000. *Salvias*, 90c per 100; \$7.50 per 1,000. *Double Petunias*, \$1 per 100; \$9 per 1,000. *Heliotrope*, \$1 per 100; \$9 per 1,000. *Ageratum*, 50c per 100; \$4 per 1,000. *Begonias* (*Gracilis*), \$1 per 100; \$9 per 1,000. *Birmingham Landscape and Nursery Co.*, P. O. Box 663, Birmingham, Ala.

Rooted cuttings, prepaid per 100; *Heliotrope*, \$1; *Fuchsias*, 8 kinds, \$1; *Paris daisies*, yel. and white, \$1; *Cuphea*, 75c; *Vinca Var.*, 90c; *Coleus*, 10 kinds, 60c; *Alternantheras*, 3 kinds, 50c; *Ageratum*, 3 kinds, 60c; *Swainsona alba*, \$1; *Dbl. petunias*, 10 kinds, \$1. *Byer Bros.*, Chambersburg, Pa.

Rooted cuttings: *Verbenas*, 70c per 100; \$6 per 1,000. *Mums*, \$1.25 per 100; \$10 per 1,000. *Daisies*, white and yellow, \$1 per 100; \$8 per 1,000. *Alyssum*, 80c per 100; \$7 per 1,000. *Feverfew*, \$1.25 per 100, \$10 per 1,000. *Mme. Sallerol*, \$1.25 per 100; \$10 per 1,000. *C. Humfeld*, Clay Center, Kans.

## ROSES.

Roses, *White Killarney*, R. C., \$6.50 per 100; \$60 per 1,000; 2½-in., \$8.50 per 100; \$75 per 1,000. *Pink Killarney*, R. C., \$4 per 100; \$35 per 1,000; 2½-in., \$6 per 100; \$55 per 1,000. *My Maryland*, R. C., \$4 per 100; \$35 per 1,000; 2½-in., \$6 per 100; \$55 per 1,000. *Richmond*, 2½-in., \$5.50 per 100; \$50 per 1,000. *Brides*, 3½-in., \$5 per 100; \$45 per 1,000. *Am. Beauties*, R. C., \$4 per 100; \$35 per 1,000; 2½-in., \$7 per 100; \$65 per 1,000. *Poehlmann Bros. Co.*, Morton Grove, Ill.

## ROSE PLANTS, 2½-INCH POTS.

|                 | 100 | 1000 |
|-----------------|-----|------|
| American Beauty | \$5 | \$45 |
| Kaiserin        | 4   | 35   |
| Mrs. Jardine    | 5   | 45   |
| Killarney       | 5   | 45   |
| Bride           | 3   | 25   |
| Bridesmaid      | 3   | 25   |
| Richmond        | 3   | 25   |

## WIETOR BROS.

Chicago.  
Roses, grafted *White Killarney*, *My Maryland*, *Pink Killarney*, *Richmond*, rose pots, \$15 per 100; 3½-in., \$18. *Brides*, *Malds*, *G. Gate*, *La France*, *Kaiserin*, rose pots, \$10 per 100; 3½-in., \$15. Own root: *W. Killarney*, *My Maryland*, *Richmond*, *Pink Killarney*, *Am. Beauty*, 3-in., \$9 per 100; 4-in., \$12. *Brides*, *Malds*, *Perles*, *Sunrise*, *G. Gates*, *Chatenay*, *Kaiserin*, 3-in., \$7 per 100; 4-in., \$10. *J. L. Dillon*, *Bloomingsburg*, Pa.

Roses, young rose stock ready for shift. Write for list. Send cash or reference. *Geo. A. Kuhl*, *Pekin*, Ill.

Roses, *Dingee & Conard Co.*, West Grove, Pa.

ROSES, field-grown, extra heavy. *Vick's Caprice*, *Gen. Jacq.*, *Magna Charta*, \$10 per 100. *Cheshunt Hybrid*, *Jubilee*, *Ulrich Brunner*, *L. H. Stewart*, *M. of Lorne*, \$8 per 100. *Mme. Plantier*, *Co. des Blanches*, *M. P. Wilder*, *Chas. Lefevre*, *Jules Margottin*, *L. van Houtte*, \$7 per 100. *Crimson Rambler*, *Phila. Rambler*, \$10 per 100. *Dorothy Perkins*, *M. Triumph*, *Jersey Beauty*, *Yellow Rambler*, *White Rambler*, *Seven Sisters*, *B. Belle*, *Queen Alexandria*, \$5 per 100. *Wagner Park Conservatories*, *Sidney*, O.

AMERICAN BEAUTIES, 2-year old bench plants, \$7 per 100. Strongly rooted *Brides*, *Malds*, *Golden Gates*, select 2 and 3-eye cuttings, \$1.50 per 100. *GULLETT & SONS*, *Lincoln*, Ill.

Roses, rooted cuttings, *Am. Beauty*, \$4 per 100; \$35 per 1,000. *Pink Killarney*, \$2.50 per 100; \$20 per 1,000. *Richmond*, *Bride*, \$1.50 per 100; \$12 per 1,000. *Geo. Reinberg*, 51 Wabash Ave., Chicago.

Roses, grafted and own root. *Killarney*, *Richmond*, *My Maryland*, *White Killarney*, *Kaiserin*, *Bride* and *Bridesmaid*. *W. H. Elliott*, *Brighton*, Mass.

Rose, *Flower of Fairfield*, 3 to 6 shoots, \$11 per 100; \$100 per 1,000; 5 or more shoots, \$15 per 100. *Schulthies Bros.*, *Bad Nauheim*, Germany.

Roses of all kinds. For varieties and prices, see page advertisement in this issue. *Arthur T. Boddington*, 342 West 14th St., New York.

Roses, on own roots, budded, bedding, *H. Ps.*, hybrids and teas. *W. & T. Smith Co.*, *Geneva*, N. Y.

Taft rose, 2½-in., \$15 per 100. *J. M. McCullough's Sons Co.*, 316 Walnut St., Cincinnati, O.

Beauty roses, 2½-in., \$5 per 100. *Perle*, 2½-in., \$3 per 100. *J. F. Ammann*, *Edwardsville*, Ill.

Roses, *Bride*, *Maid*, *Golden Gate*, 3-in., \$5 per 100. *Geo. M. Emmans*, *Newton*, N. J.

Roses, *Newport Fairy*, 50c each; \$20 per 100. *Julius Roehrs Co.*, *Rutherford*, N. J.

Roses, leading varieties. *Leedle Floral Co.*, *Springfield*, Ohio.

Rose *Dorothy Perkins*. *Ellwanger & Barry*, *Rochester*, N. Y.

Roses, 3-in., *Wood Bros.*, *Fishkill*, N. Y.

## SALVIAS.

*Salvias*, named varieties, 2½-in., very strong, 2½c. *Mosbaek Greenhouses*, *Onarga*, Ill.

## SEEDS.

Seeds, *Alyssum Carpet Queen*, \$5 per oz.; tr. pkt., 25c. *Phlox Dwarf Fireball*, oz., \$2.50; tr. pkt., 35c; *Roseball*, oz., \$2; tr. pkt., 30c; *Snowball*, oz., \$3; tr. pkt., 40c; *Cicely*, oz., \$2.50; tr. pkt., 35c; *Salvia Fireball*, oz., \$4; tr. pkt., 50c; *King of Scarlets*, oz., \$10; tr. pkt., 50c; *Zurich*, oz., \$3; tr. pkt., 50c. *O. V. Zangen*, *Hoboken*, N. J.

Seeds, *Aster New Rose King*, 25c per pkt. *Mikado Pink Rochester*, 1-64 oz., 20c; 1-32 oz., 35c; 1-16 oz., 50c; ¼ oz., 85c; ½ oz., \$1.50; ¾ oz., \$2.75; oz., \$5. *James Vick's Sons*, *Rochester*, N. Y.

Seeds, *The Crego aster*, trade packet, \$1; ½ oz., \$3.50; oz., \$6. *G. S. Crego*, 562 E. Alder St., *Portland*, Ore.

Seeds, *Smith's Peerless aster*, per oz., \$8; ¼ oz., \$2.50; 1-16 oz., 75c; trade packet, 50c. *Elmer D. Smith & Co.*, *Adrian*, Mich.

Seeds, onion, lettuce, radish, sweet peas, etc. *Pieters-Wheeler Seed Co.*, *Hollister*, Calif.

Seeds, *Vaughan's sweet peas*. For varieties and prices see large advertisement in this issue. *Vaughan's Seed Store*, *Chicago* and *New York*.

ONION SETS. Choice, very sound, unsprouted sets, yellow, \$1.50; red, \$1.60 per bu. of 32 lbs. *Sluis Seed Store*, 544 W. 63rd St., *Chicago*.

Onion sets, *White Bottom*, *Yellow Bottom*, *Red Bottom*. *Winterson's Seed Store*, 45 Wabash Ave., *Chicago*.

Seeds, onion, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish salsify. *C. C. Morse & Co.*, 48-56 *Jackson St.*, *San Francisco*, Calif.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. *The Everett B. Clark Seed Co.*, *Milford*, Conn.; *East Jordan*, Mich.; *Sister Bay*, Wis.

Seeds, *Phoenix Roebelenii*. *Sander*, *Bruges*, Belgium.

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Seeds, Cauliflower and cabbage. Hjalmar Hartman & Co., 31 Barclay St., New York, and 12 Stormgade, Copenhagen.

Seeds, Phoenix Roebeleni. Sander, T. Mellstrom, Representative, 235 Broadway, New York.

Seeds, specialties: Stocks, pansies, cyclamens, etc. Pape & Bergemann, Quedlinburg, Germany.

Seed, perennial rye grass, lb., 6c; 100 lbs., \$5.50. The Avenue Floral Co., 3442 St. Charles Ave., New Orleans, La.

Seeds. Send for seed book for 1910. Wm. Henry Maule, 1762 Filbert St., Philadelphia.

Seed, pansy, 1,000 seeds, 25c; 1 oz., \$2.25. H. Wrede, Luneburg, Germany.

Seeds, sweet peas, Christmas Pink and Denzer, \$2 lb. Chas. H. Totty, Madison, N. J.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds. Landreth Seed Establishment, Bloomsdale Farms, Bristol, Pa.

Seeds, Vick's Quality, James Vick's Sons, Rochester, N. Y.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Vegetable seeds, plants, sold direct. Catalogue free. Glick Seed Farms, Lancaster, Pa.

Seed, asters. Vick & Hill, Box 4613, Rochester, N. Y.

Seeds garden, field and flower. S. D. Woodruff & Sons, 82-84 Dey St., New York.

#### Contract Growers.

Seeds, peas, beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, field, garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbena. Waldo Rohmert, Gilroy, Calif.

Seeds, sweet peas. Anton Zvolanek, Boundbrook, N. J.

Seeds, growers for the wholesale trade only. Braslan Seed Growers' Co., San Jose, Calif.

California seed contracts. Kimberlin Seed Co., Santa Clara, Calif.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

#### SMILAX.

Smilax plants, 2½-in., \$1.50 per 100; \$12 per 1,000. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia, Pa.

Smilax, 2½-in., \$3 per 100; \$20 per 1,000. Vaughan's Seed Store, Chicago and N. Y.

Smilax, 2½-in., \$3 per 100. West End Greenhouses, Lincoln, Ill.

Smilax, 2-in., \$1.25 per 100. Byer Bros., Chambersburg, Pa.

Smilax. Wood Bros., Fishkill, N. Y.

#### SPIREAS.

Spirea Japonica, 6-in., 25c each; \$2.50 per doz. Vaughan's Seed Store, Chicago and N. Y.

Spireas. J. Smits, Ltd., Naarden, Holland.

#### TRITOMAS.

Tritoma Pfizeri, red hot poker plant, 6c each. Mosbaek Greenhouse Co., Onarga, Ill.

#### VEGETABLE PLANTS.

Vegetable plants. Cabbage, Wakefield and Succession, \$1.50 per 1,000; Parsley, 25c per 100; \$1.25 per 1,000. Lettuce, Big Boston, Boston Market, Grand Rapids, \$1 per 1,000. Beets, \$1.25 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Vegetable plants, all kinds in seedlings and transplanted. Send list of wants. Mosbaek Greenhouse Co., Onarga, Ill.

#### VERBENAS.

Verbenas, 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lemon Verbenas, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Verbenas, R. C., 70c per 100; \$6 per 1,000. S. D. Brant, Clay Center, Kans.

Verbenas. J. L. Dillon, Bloomsburg, Pa.

#### VINCAS.

Vinca minor, the hardy vinca for cemetery planting and under trees, where grass will not grow; well rooted layers, \$1.50 per 100; \$10 per 1,000. E. Y. Teas, Centerville, Ind.

Vinca, 2½, 3 and 4-in., \$3, \$5 and \$7 per 100. West End Greenhouses, Lincoln, Ill.

Vinca variegated, 2½-in., 2½c each. Mosbaek Greenhouse Co., Onarga, Ill.

Vinca variegated, field, \$4 per 100. F. C. Riebe, Webster, Mass.

#### VIOLETS.

VIOLETS, Baronne A. de Rothschild is making good everywhere, as the most free and most fragrant single in cultivation. Size and stem equal to Princess, color a shade darker. Rooted runners or divisions, ready in April. Book your order now, at \$6 per 100; \$50 per 1,000. F. W. Fletcher Co., Auburndale, Mass.

Rooted Violet divisions, Boston, \$10 per 1,000. Wales, \$6 per 1,000. Baronne Rothschild, 2½-in., \$5 per 100, A1 stock. George Corbett Violet Grower, College Hill, Station K, Cincinnati, O.

Violets, Princess of Wales, \$5 per 100. F. C. Riebe, Webster, Mass.

Violets. Wood Bros., Fishkill, N. Y.

#### WISTARIA.

WISTARIA SINENSIS. Nice thrifty plants, \$2.50 per 100; \$20 per 1,000. Wagner Park Conservatories, Sidney, O.

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Allen, J. K., 106 W. 28th St., New York.

Amling, E. C., 32-36 Randolph St., Chicago.

Bonnet & Blake, 130 Livingston St., New York.

Berning, H. G., 1402 Pine St., St. Louis.

Deamud, J. B. Co., 51 Wabash Ave., Chicago.

Denver Wholesale Florist Co., 1433-35 California St., Denver, Colo.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., N. Y.

Fruit Auction Co., 200 Franklin St., New York.

Guttman, Alex J., 34 W. 28th St., N. Y.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros. Co., 48-50 Wabash, Chicago.

Kessler Bros., 50 W. 28th St., New York.

Keuhn, C. A., 1122 Pine St., St. Louis, Mo.

Kruchten, John, 51 Wabash Ave., Chicago.

Kyle & Foerster, 51 Wabash Ave., Chicago.

Langjahr, Alfred H., 55 W. 28th St., N. Y.

Manhattan Flower Market, 46 W. 28th St., New York.

McCallum Co., 937 Liberty Ave., Pittsburg.

McCullough's Sons Co., J. M., 316 Walnut St., Cincinnati, O.

McKellar, Chas. W., 51 Wabash, Chicago.

McKissick, W. E. & Bros., 1619-21 Ranstead St., Philadelphia.

Messeberg, G. Lenox Rd. and E. 39th St., Brooklyn, N. Y.

Moore, Hentz & Nash, 55-57 W. 26th St., New York.

Michigan Cut Flower Exchange, 30-40 Broadway, Detroit, Mich.

Millang, Aug., 41 W. 28th St., New York.

Millang, Chas., 444 6th Ave., cor. 27th St., New York.

Murphy, William, 311 Main St., Cincinnati.

Niessen Co., Leo, 1208 Arch St., Phila.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Pittsburg Cut Flower Co., 222 Oliver Ave., Pittsburg.

Pittsburg Florists' Exchange, 217-233 Diamond St., Pittsburg, Pa.

Pollworth, C. C. Co., Milwaukee, Wis.

Randall, A. L. Co., 19 Randolph St., Chicago.

Rice Bros., 128 N. 6th St., Minneapolis.

Raynor, John I., 49th and W. 28th St., New York.

Sheridan, Walter F., 39 W. 28th St., N. Y.

Slinn, B. S., 55-57 W. 26th St., New York.

Smith & Co., W. C., 1316 Pine St., St. Louis.

Traendly & Schenck, 44 W. 28th St., N. Y.

Vaughan & Sperry, 52-54 Wabash, Chicago.

Welch Bros., 226 Devonshire St., Boston.

Winterson, E. F. Co., 45-49 Wabash, Chicago.

Young, A. L. & Co., 54 W. 28th St., New York.

Young C. & Sons, 1406 Olive St., St. Louis.

Young & Nugent, 42 W. 28th St., New York.

Zech & Mann., 51 Wabash Ave., Chicago.

#### Growers.

Bassett & Washburn, 76-78 Wabash Ave., Chicago.

Bruns, H. N., 1049-11 W. Madison, Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Dayton Floral Co., Dayton, O.

Elliott, W. H., Brighton, Mass.

Gasser, The J. M. Co., 1035 Prospect Ave., Cleveland, O.

Hill, The E. G. Co., Richmond, Ind.

Krueger Bros., Toledo, O.

Poehlmann Bros., 35-37 Randolph, Chicago.

Reinberg, Peter, 35 Randolph St., Chicago.

Reinberg, Geo., 51 Wabash Ave., Chicago.

Weiland & Olinger, 128 E. 3d St., Cincinnati, O.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wittbold, Geo. Co., 1657 Buckingham Pl., Chicago.

Miscellaneous.

Meyer green silkaline. \$1.25 per lb., 8 spoons to lb. Meyer violet thread for violets, \$1.25 per doz. spoons of 500 yards each. John C. Meyer Co., 1449 Middlesex St., Lowell, Mass.

Ammoniated lawn lime. Wholesale prices on request. Superior Chemical Co., Louisville, Ky.

Special Printing for Florists. Best work, lowest prices. Samples for stamp. O. A. Fink, Pottstown, Pa.

Rocking grate bar, saves 10 to 25 per cent coal. U. S. Rocking Grate Bar Co., 77 Jackson Blvd., Chicago.

Lithographed seed hangers, 10 colors. Brett Lithographing Co., 605 W. 129th St., New York.

The Mastin Automatic Whitewash and Spraying Machine. J. G. Mastin & Co., 3124 W. Lake St., Chicago.

Gold fish, globes, etc. The Auburndale Goldfish Co., 920 W. Randolph St., Chicago.

Baskets. The Raedleln Basket Co., 713 Milwaukee Ave., Chicago.

Cemetery vases. The National Vase Co., 130 S. High St., Columbus, O.

Hammond's Slug Shot. B. Hammond, Fishkill-on-Hudson, N. Y.

The Florist Friend nicotine insecticide. Florist Friend Co., Owensboro, Ky.

Iron reservoir vases and lawn settees. McDonald Bros., Columbus, O.

Pulverized Sheep Manure, Sheep's Head Brand. Natural Guano Co., Aurora, Ill.

Pillsbury's Carnation Staple, 50c per 1,000 postpaid. I. L. Pillsbury, Galesburg, Ill.

#### PHOTOGRAPHS.

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

#### POTS, PANS, ETC.

"NUFF SED." Best red pots are made by Geo. E. Feustel, Fairport, Iowa.

The Red Pot. C. C. Pollworth Co., All roads connect with Milwaukee.

Pots, florist red. Peters & Reed Pottery Co., Zanesville, O.

Pots. Syracuse red. Syracuse Pottery Co., Syracuse, N. Y.

#### STAKES.

Cane Stakes. Standard grade 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000.

Pipe stems about 6 feet, per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

#### WIRE DESIGNS.

Headquarters for wire work. Send for list. F. W. Ball, 31 E. 3rd St., Cincinnati, O.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It



Has stood the test of over a Quarter of a Century.

## THOMSON'S Vine, Plant and Vegetable MANURE

UNRIVALLED  
FOR

Vines,  
Tomatoes,  
Cucumbers  
all Flowering,  
Foliage and  
Fruit bearing  
Plants,  
Vegetables,  
Lawns, etc.



The result of  
many years  
practical  
experience.

PERFECT  
PLANT FOODS

Sold by  
Leading  
American  
Seedsmen.

— ALSO —

Thomson's Special Chrysanthemum  
and Topdressing Manure.

Freight paid on quantities. Write for our  
special offer to the American trade, pamphlets,  
agents' circulars, etc., to sole makers,

WM. THOMSON & SONS, Ltd.,  
Tweed Vineyard, Clovenfords, Scotland

**MASTICA**  
FOR Greenhouse Glazing  
**USE IT NOW.**  
F. O. PIERCE CO.  
12 W. BROADWAY  
NEW YORK

MASTICA is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass, as occurs with putty. LASTS LONGER THAN PUTTY. Easy to apply.

## Our New Baskets

For Spring Have Arrived.

Catalogue in preparation.

Send for it NOW.

The RAEDLEIN BASKET CO.

713 Milwaukee Ave., CHICAGO.

*green Flies and  
Black ones too*  
are easy to kill with  
The Fumigating Kind Tobacco Powder  
\$3.00 per bag 100 lbs.  
Satisfaction guaranteed or money back;  
why try cheap substitutes that makers do  
not dare to guarantee?  
THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

Kalamazoo, Mich.

At the greenhouses of G. Van Bochove & Bro. everything is well on time for Easter and a heavy trade is reported. Messrs. Van Bochove say, in substance, that the past year has been the best in the history of the firm. The houses devoted to carnations and roses are in especially good order while all the popular Easter pot plants are good, well flowered and timed to the minute. Four new houses, each 27 x 300 feet, are to be built this year, making a total of 150,000 square feet in all. This increase has been decided on owing to the ex-

## Ammoniated Lawn Lime

Kills Weeds.

Makes Grass Grow.

Applied as a light top dressing to lawns it kills all flat leaved weeds such as Dandelion, Daisy, Plantain, Sorrel, Chickweed, Moss, etc., in 48 hours and without other fertilizer produces a wonderful, luxuriant, rich, green growth of lawn grass—which is distinctly noticeable 50 feet away.

The use of Ammoniated Lawn Lime supersedes hand weeding of lawns, putting greens, etc. It saves the grass from being pulled up and in many cases ruined. Grasses take a new vigorous growth, avoiding probable trouble in the future.

Quantities:

If very weedy 1-lb. to 40 square feet, 25-lbs to 1000 square feet, (20x50). Half to one-quarter amount if moderately weedy.

ABSOLUTELY GUARANTEED.

Money refunded if not satisfactory.

We want Seedsmen or Florists as agents and distributors in every important city and town.

Retail Prices:

2-lb. cans, 25c, 50 cans per case. 5-lb. cans 50c, 20 cans per case. Bags, 25-lbs. \$2.00; 50-lbs. \$3.50; 100-lbs. \$6.00; 1000-lbs. and over 5c per lb.

Descriptive Circular and Wholesale Prices on Request.

**SUPERIOR CHEMICAL CO.,**

(Incorporated.)

Louisville.

Kentucky.

DEPARTMENT OF PARKS,

City of New York,

Boroughs of Brooklyn and Queens.

Borough of Brooklyn, March 7, 1910

To the Aphine Manufacturing Co.,

Madison, New Jersey.

Dear Sirs:—

Having received your sample of Aphine, I at once made a test for mealy bug on coleus and crotons and the effect was marvelous; the mealy bug dried up without any damage to the plants. Have since purchased four gallons of Aphine and used the same according to directions, with spray, on green and white fly, also scale on palms, with the same success. I am more than pleased at the results of your insecticide, and will continue its use, as it is safe, sure and reliable, and can honestly recommend it to all my brother craftsmen.

Very respectfully yours,

EDWARD J. WALTERS,

Head Gardener, Forest Park Greenhouse and Nursery.

See Pages 402 and 422 for other Aphine endorsements.

## The "Meyer Green Silkaline"



is the only Green Thread that should be used by florists and growers. It is guaranteed full weight and full measure.

Also Violet Thread for tying up Violets. Price of both, \$1.25 per lb. express or freight paid in good sized orders.

JOHN C. MEYER & CO., 1449 Middlesex St., Lowell, Mass.

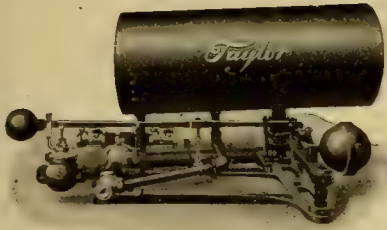
cellent trade enjoyed the last four years. Among the pot plants we noted as especially good were cinerarias, pot lilies, primulas and all the popular tulips and other bulb stock.

TRAVELER.

JOLIET, ILL.—Albert C. Rott is again superintendent of the floricultural portion of the Will County agricultural show and is working hard among local florists to make his end of it a success.



# Does Your Heating System Operate As It Should? ~~



A good steam trap saves its cost in a short time and it saves you worry and trouble.

## Why not put It in Shape?

Send for our new 100 page Catalog—It tells all about it.

**John C. Moninger Co.,**  
906 Blackhawk St. Chicago.



THE HONEYWELL HEAT GENERATOR

This makes the old style hot water system act like a low pressure steam job. It takes away your troubles.



A good reducing valve on your high pressure boiler will save coal.

## Greenhouse Material --- Hotbed Sash

Louisiana Cypress,

Wash. Red Cedar,

Greenhouse Hardware,

Galvanized and Copper Nails.



The Dietsch Patent Short Roof Construction.

Patent V and U Gutters.

Ice Clearing Eave Plates.

**Bright and Light. Strong and Durable.**  
Such is Our Construction.

Have you used our "BEST" Hotbed Sash? None like them.

**A. DIETSCH CO., 2642 Sheffield Ave., CHICAGO**

ITHACA, N. Y.—According to the Buffalo Express, W. F. Kasting said that florists throughout the state are back of the bill introduced by Assemblyman Wilkie, appropriating \$50,000 to build greenhouses at Cornell university for the teaching of floriculture. The subject was discussed at the last meeting of the Buffalo Florists' Club.

**DAYLITE**  
**Glass Cleaner**  
Will not injure paint or putty



ANDERSEN SPECIALTY CO., 4648 Calumet Ave.,

**Quick, == Powerful.**  
Leaves no Greasy Surface.

|                       |          |
|-----------------------|----------|
|                       | Per gal. |
| 25 to 50 gallons..... | \$0 70   |
| 5 to 25 gallons.....  | 80       |
| Less .....            | 1 00     |

Phone Oakland 845.

CHICAGO.



**WILKS'****Hot Water Boilers**

ARE THE MOST ECONOMICAL

**Boiler for Greenhouses**No Night Fireman Required  
with our**SELF-FEEDING HOT WATER BOILERS.**

Send for Catalog and Prices.

**S. WILKS MFG. CO.,**

2503 Shields Ave.

CHICAGO.

**Garman's Antipest**

INSECTICIDE AND FUNGICIDE

For the Garden, Orchard and Greenhouse

Non-poisonous and harmless  
to vegetation.Kills Green Fly, Aphides, Bark Lice,  
Thrips Mealy Bug, Red Spider,  
Scale, Wire Worms, Ants  
and Slugs.This is the grower's Friend Handy to  
use, cheap and effective, mixes readily in  
water. Destroys all insect pests and  
keeps down filth. Circulars on applica-  
tion. \$1.50 per gallon. Also in  
quarts, half gallons and in bulk.**PERFECTION CHEMICAL CO.,**  
FLUSHING, N. Y.**THE BEST****Bug Killer and  
Bloom Saver**

For PROOF

Write to

**P. R. PALETHORPE  
COMPANY,**

Owensboro, Ky

**Steel Return Tubular Boilers**The Most Economical Type of Boiler  
for Greenhouse Heating. Highly  
recommended by well-known florists.**JOHNSTON HEATING CO.,** 138 E 31st St.,  
NEW YORK.**Holds Glass  
Firmly**

See the Point &amp;

**PEERLESS**

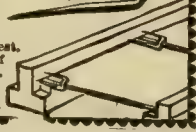
Glazing Points are the best.

No rights or lefts. Box of

1,000 points 75 cts. postpaid.

**HENRY A. DREER,**

714 Chestnut St., Phila., Pa.

**FULL SIZE  
N° 2****SIEBERT'S ZINC**

Never Rust

**GLAZING POINTS**

Last forever. Over

30,000 pounds now in use. A sure preventative of

glass slipping. Effective on large or small glass.

Easy to drive. Easy to extract. Two sizes  $\frac{3}{4}$  and $\frac{1}{2}$ . 40c per lb., by mail 16c extra; 7 lbs. for \$2.50

15 lbs. for \$5.00. by express. For sale by the trade.

**RANDOLPH & McCLEMENTS, Successors to****Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.**

DAYTON, O.—Matthews supplied the

flowers and decorations for the annual

banquet of the chamber of com-

merce, March 14.

**Attention!! Glass Buyers!!****GREENHOUSE GLASS.**

You will save money if you obtain our prices before you buy.

Quality A. No. 1. Prompt shipments.

**Hooker's Greenhouse White Paint**

The most durable white paint for this purpose.

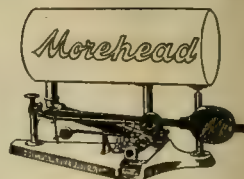
Half barrels, (25 gallons), per gal. \$1.35. 5 gal. pails, per gal. \$1.40

**H. M. HOOKER COMPANY,**

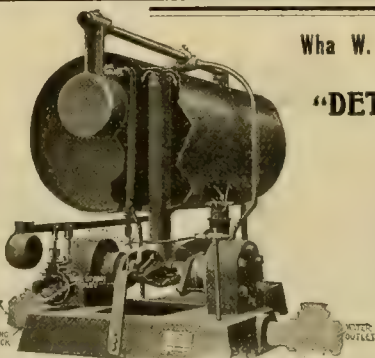
WHOLESALE GLASS AND PAINTS,

Long Distance Phone  
Monroe 4994.

651-659 Washington Boulevard, CHICAGO.

**Among Florists****It is "THE MOREHEAD"****WHY?****BECAUSE** it is giving them service they thought could not be bought  
for money.With an installation of a Morehead Return Steam Trap there begins a  
better growth of flowers, a more even temperature in your greenhouses,  
a decided decrease in your fuel bill and an infinite period of satisfaction.Let us put your name on our list of "satisfied users." Our "Trap  
Book" sent on request.**MOREHEAD M'F'G. CO.,**

Dept. N, Detroit, Mich.

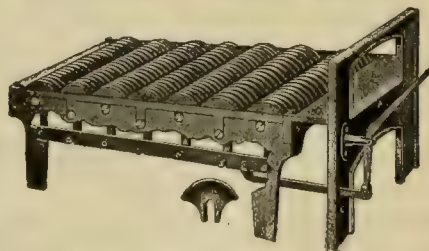


Wha W. J. Palmer &amp; Son, Lancaster and Buffalo, New York

HAVE TO SAY OF

**"DETROIT" AUTOMATIC RETURN  
STEAM TRAPS.**"We have been using two of your 'Detroit'  
Traps the past winter on a Gravity System and  
find they keep the pipe clear of condensation,  
therefore making the return do as much as the  
flow. We are able to heat with less number of  
pipe than formerly and keep the houses far more  
even in temperature."**"DETROIT" Traps will do the same for you.**  
Catalog No. 266 on Steam Traps.**AMERICAN BLOWER COMPANY**DETROIT, MICH.  
U. S. A.**The Grate Does It!**Saves 10 to 25% of the  
coal your boiler is using.

Positive guarantee given

Send for circular "N"  
and our famous Lecture  
on Combustion.**U. S. ROCKING GRATE BAR CO.,**

77 Jackson Boulevard,

CHICAGO.

**For RELIABLE STOCK From RELIABLE DEALERS****Keep Tab on Advt's. in THE FLORIST**



# **NOW READY**

—The American Florist Company's—

## **Trade Directory** **For 1910**

Contains 570 Pages.

Price \$3.00 Postpaid.

**T**HE AMERICAN FLORIST COMPANY'S Trade Directory for 1910, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 570 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States, Canada, Central and South America arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms Which Issue Catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, Seed Growers, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

### **American Florist Co.**

**324 Dearborn St., Chicago.**





## Model Extension Carnation Support

Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market.

Pat. July 27, '97, May 17, '98

**GALVANIZED WIRE ROSE STAKES.**

Write for prices before ordering elsewhere.

Prompt shipment guaranteed

**IGOE BROS.,**

266 North 9th St.,  
BROOKLYN, N.Y.

*Mention the American Florist when writing*

## THE ART OF

## Floral... Arrangement.

The first special newspaper in the world for floral arrangement.

400 Partially Colored Illustrations Annually.

Specimen number free.

Subscription, \$2.90 yearly.

**BINDEKUNST-VERLAG,**

J. Oibertz, ERFURT, GERMANY.

## Now is the Time

To Subscribe to the

## Horticultural Trade Journal

Published weekly. The Largest Brightest and Best British Trade Publication. Also

## THE INTERNATIONAL EDITION

Published quarterly. Annual subscription for weekly and quarterly numbers, One Dollar. (International money order). Subscribe today and keep in touch with European markets and topics.

The Horticultural Printing Company,  
BURNLEY, ENGLAND.



## Standard Flower Pots

Porosity and Strength Unsurpassed.

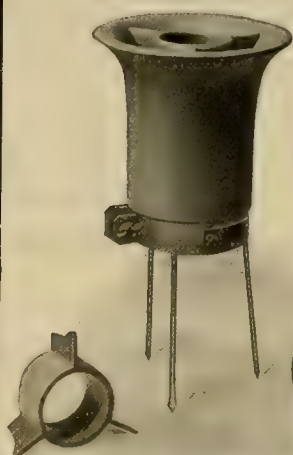
Write for prices.

**A. F. KOHR**

2934-36-38 Leavitt St., CHICAGO

POMFRET CENTER, CONN.—Robert Rust is building an addition to his establishment.

BATAVIA, N. Y.—Merton L. Dennis has begun a supreme court action to foreclose two mortgages aggregating about \$6,000 on the Liebsch greenhouse property at West and Union streets.



## Cemetery Vases

FOR CUT FLOWERS

26 States  
Shipped in 1909,  
the  
Introductory  
Year

Florists pronounce them  
great sellers.

Send for CV catalogue and prices.

**THE NATIONAL VASE COMPANY**  
130-132 S. High St., COLUMBUS, OHIO, U. S. A.



*Mention the American Florist when writing*

## Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

**McCray Refrigerator Co**

960 Mill Street,

KENDALLVILLE, IND

*Mention the American Florist when writing*

## Wired Toothpicks

10 000, \$1.75; 50 000, \$7.50. Manufactured by

**W J. COWEE, BERLIN, N. Y.**

Sample free.

For sale by dealers.

## Plant Bed Cloth

For Florists, Gardeners, Truck Farmers, etc. Protects from frost. Best shade in summer. Sold by leading seedsmen.

Waterproof Sheetting, Hay Caps, Etc.

HENRY DERBY, 123 F Chambers St., New York.

## Kramer's Pot Hangers

For sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, \$1.00 per dozen by express. Sample dozen by mail, \$1.25.

I. N. KRAMER & SON, Cedar Rapids, Iowa

## EAGLE WIRE WORKS

—Manufacturers of—

Wire Floral Designs and Specialties.  
Catalogue Free.

3238 Ontario St., CLEVELAND, O.

*Mention the American Florist when writing*

Lock the door before the horse is stolen,  
and insure your glass before it is broken.

For particulars concerning  
Fire Insurance, address

**JOHN G. ESLER, Secretary**

*Mention the American Florist when writing*

## REED & KELLER,

122 W. 25th St., NEW YORK.

**FLORIST'S SUPPLIES.**

We Manufacture all Our

Metal Designs, Baskets, Wire Work, and Novelties, and are dealers in Glassware, Pottery, Decorative Greens and all Florists' Requisites.

## A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

—Send For Prices—

404-412 East 34th St., NEW YORK.

## H. BAYERSDORFER & CO.,



**Florists' Supplies.**

1129 Arch Street, PHILADELPHIA, PA  
Send for our new catalogue.

The Florists' Market Place,  
Our Ready Reference Ad. Dept



# FOR "POT LUCK" TRY US..

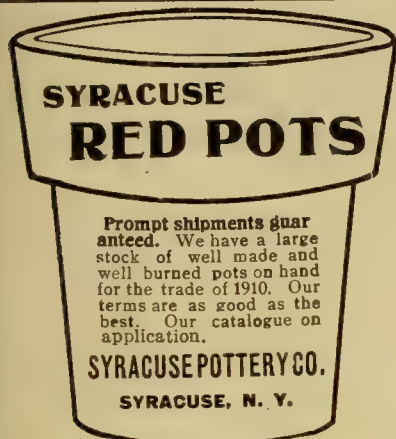
## HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLDS LARGEST MANUFACTURERS

WRITE FOR CATALOG AND DISCOUNTS.

A. H. HEWS &amp; CO.

Established 1765.  
CAMBRIDGE, MASS.452-460 No. Branch St.,  
CHICAGO ILL.Pearson Street,  
LONG ISLAND CITY, N.Y.

## All The Clay FOR OUR Florists' Red Pots

Is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We ship over five lines of railroad by river or interurban. Write for catalogue showing all the articles we make for florists' use.

THE PETERS &amp; REED POTTERY CO.

ZANESVILLE, OHIO.

## Standard Flower Pots!

Packed in small crates, easy to handle

| Price per crate              | Price per crate             |  |
|------------------------------|-----------------------------|--|
| 1500 2-in., in crate, \$4.88 | 144 6-in., in crate, \$3.16 |  |
| 1500 2¼ " " 5.25             | 120 7 " " 4.20              |  |
| 1500 2½ " " 6.00             | 60 8 " " 3.00               |  |
| 1000 3 " " 5.00              | HAND MADE                   |  |
| 800 3½ " " 5.80              | 48 9-in., in crate, \$3.60  |  |
| 500 4 " " 4.50               | 48 10 " " 4.80              |  |
| 456 4½ " " 5.24              | 24 11 " " 3.60              |  |
| 320 5 " " 4.51               | 24 12 " " 4.80              |  |
| 210 5½ " " 3.78              | 12 14 " " 4.80              |  |
|                              | 6 16 " " 4.50               |  |

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address

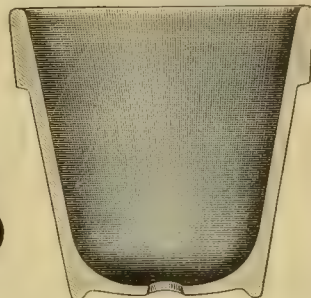
HILFINGER BROS. POTTERY: Fort Edward, N.Y.

or AUGUST ROLKER & SONS, New York Agents  
31 Barclay Street, New York City.GEO. KELLER & SON,  
Manufacturers of**Red Pots**Before buying write for prices.  
2614-2622 Herndon St.,  
CHICAGO.

LENOX, MASS.—Robert MacConnachie and Miss Margaret Williams were married March 4.

LISBON, O.—The Harris Greenhouse Co. has incorporated, the capital stock being \$5,000. More greenhouses are to be erected.

# THOSE RED POTS



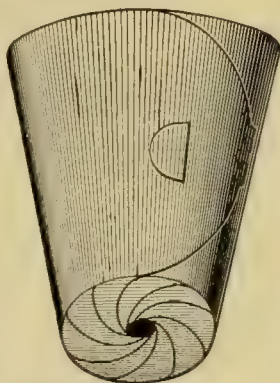
"STANDARDS"

Full Size and Wide Bottoms, Bulb Pans and Azalea Pots.

## Detroit Flower Pot M'f'y

490 Howard St, Detroit, Mich.

HARRY BALSLEY, Rep.



## NEPONSET PAPER POTS.

VAUGHAN'S SEED STORE,

AGENTS

Waterproof,  
Don't Break,  
Cost Little. Chicago and New York.

Use our patent  
Iron Bench  
Fittings and  
Roof Supports.

THE JENNINGS<sup>IMPROVED</sup>  
IRON GUTTER.

IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY &amp; KEEN,

S. W. Corner Sixth and Berk Streets

PHILADELPHIA.

VENTILATING  
APPARATUS.



## Iron Reservoir Vases



AND  
Lawn Settees

Manufactured by  
**McDONALD BROS.,**

COLUMBUS, O.  
The largest manufacturers of these goods in America  
Send for catalogue

Mention the American Florist when writing

Superior Quality.

Hand Made.

## Greenhouse Glass

Why not buy the best. Write us for discounts.

We can save money for you.

**BAUR WINDOW GLASS CO.**

Eaton, Indiana.

Mention the American Florist when writing

## SPLIT CARNATIONS



Quickly and easily  
Mended.  
No tools required.

"They are all that is  
claimed for them."  
GEO. E. LASHER, Florist

Pillsbury Carnation Staple  
2000 for \$1.00 postpaid.

**I. L. PILLSBURY,**

Winsor, Ont.

Galesburg, Ill.

Mention the American Florist when writing



**Superior**  
Crimped Invisible **Carnation Staple**

(PATENT APPLIED FOR.)

For repairing split carnations. 1000 for 50 cents  
Postpaid.

**L. J. WAITE, 293 Main St., Springfield, Mass.**

Mention the American Florist when writing

## The Regan Printing House

LARGE RUNS OF

## CATALOGUES

—OUR SPECIALTY—

WRITE FOR FIGURES.

91 Plymouth Place, CHICAGO

## Gorham & Chapline

Printery Inc. CATALOGUES  
PRICE LISTS.

HALFTONES, ENGRAVINGS and  
PRINTING FOR FLORISTS.

358 Dearborn Street, CHICAGO.

SALT LAKE CITY, UTAH.—A new industry known as the new Miller Floral Co., has been organized by Robert Miller and Louis L. Barton. The company will build a modern range of greenhouses and will begin business with a capital stock of \$15,000 to \$20,000.

## Sold by Seed Dealers all over America

Used 25 Years.



KILLS THE

Currant Worm,  
Potato Bug,  
Cabbage Worm,  
Slug on Roses,  
Caterpillars,  
Aphis on Roses,  
Bugs on Melons,  
Cut Worms,  
Sow Bugs,  
Lice on Fowls,  
Curculio on Plums,  
Tobacco Worms, &c.

For pamphlets on Bugs and Blight, write to

**B. HAMMOND, Fishkill-on-Hudson, N. Y.**

### STRATTON'S GREENHOUSE,

C. D. Stratton, Prop.

Lancaster, Wis., Feb. 28, 1910.

Aphine Mfg. Co., Madison, N. J.

Gentlemen:—

The "Aphine" purchased through your agents, of Chicago, is certainly O. K. I have had success with it both as a spray and as a dip. Have dipped plants in full bloom, such as primulas, cinerarias, roses, etc., with no apparent ill effects on the plants or blooms, but with death to the bugs.

Would like to ask if you would consider it safe to use on edible vegetables such as cabbage, cauliflower, lettuce, etc.?

There ought to be a large sale of "Aphine" when the people become acquainted with it and can be sure of obtaining the results claimed.

Yours very truly,

C. D. STRATTON.

See Pages 402 and 416 for other Aphine endorsements.

**Send Advs. Early for Best Service.**



# Have You Tried The Evergreen Brand Flower Fertilizer.

If not read what Poehlmann Bros. Co., the well known  
Chicago Cut Flower Growers, say:

JOHN W. POEHLMANN, PRES.  
A. H. POEHLMANN, V. PRES.  
AUG. F. POEHLMANN, SECY & TREAS.

1,500,000 Sq. Feet of Glass

PHONES--  
GREENHOUSE: MORTON GROVE 201-202  
RESIDENCE: " " 1 AND 282

## Poehlmann Bros. Company

GROWERS AND WHOLESALERS

Specialties

Roses, Carnations and Chrysanthemums

Store: 33-35-37 Randolph St.  
Chicago

Mail all Plant Orders direct to  
Morton Grove

Morton Grove, Ill., Oct. 6th, 1909.

Mr. D. D. Johnson

Dear Sir:-

We have used the 6 cans of Evergreen  
Brand Flower Fertilize shipped us Sept. 6th and  
noted remarkable results.

You may increase our second order of  
500 to 2000 lbs. and ship soon as possible.

Yours truly,

Poehlmann Bros. Company.

*Aug Poehlmann*

Put up in 12 pound cans, Price, \$2.00  
each, F. O. B. Chicago, New York or Denver.

For Sale By Leading Jobbers.

For Further Information Address

**D. D. JOHNSON COMPANY** MANUFACTURERS,  
64 Wabash Ave., CHICAGO.

briskly as some 500,000 are  
needed annually, and these take quite  
a little looking up. Many are al-  
ready potted with very large batches  
now in the sand. August Poehlmann  
speaks very highly of the Evergreen  
Brand Flower Fertilizer for carna-  
tions.

In addition to these some 500,000  
chrysanthemum cuttings are pro-  
duced annually and some of  
the varieties are al-

Ar

From The American Florist  
March 12, 1910.



## A Model Rose House

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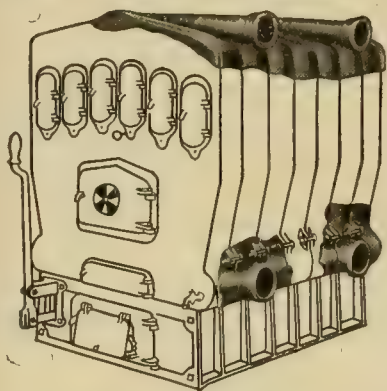
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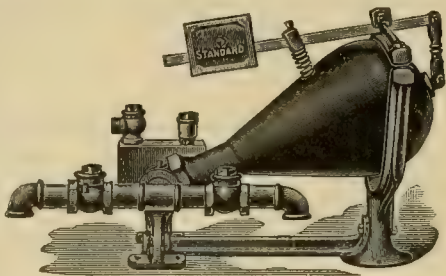
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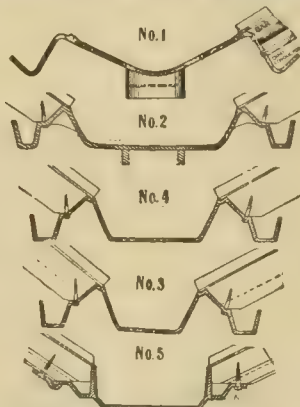
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# THE AMERICAN FLORIST



*America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."*

Vol. XXXIV.

CHICAGO AND NEW YORK, MARCH 26, 1910.

No. 1138

## THE AMERICAN FLORIST

TWENTY-FIFTH YEAR.

Copyright, 1910, by American Florist Company.  
Entered as Second-Class Matter Nov. 11, 1891,  
at the Post Office at Chicago, Illinois,  
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

**AMERICAN FLORIST COMPANY,**

324 Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Eastern Office: 1133 Broadway, New York.

Philadelphia, Pa.: Robt. Klft, 1725 Chestnut St.

Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a year; Canada, \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from the trade. Volumes half yearly from August, 1901.

Address all correspondence, subscriptions, etc., American Florist Co., 324 Dearborn St., Chicago.

### SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—F. R. PIERSON, Tarrytown, N. Y., Pres.; FRED W. VICK, Rochester, N. Y., Vice-Pres.; H. B. DORNER, Urbana, Ill., Sec'y; WM. F. KASTING, Buffalo, N. Y., Treas. Next meeting at Rochester, N. Y., August, 1910.  
Second National Flower Show, Boston, Mass., March, 1911.

### THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at Boston, Mass., March 1911. FRED. BURKI, Pittsburg, Pa., President; A. F. J. BAUR, Thirty-eighth St. and Senate Ave., Indianapolis, Ind., Secretary.

### AMERICAN ROSE SOCIETY.

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### AMERICAN PEONY SOCIETY.

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**See Page 463.**

## TALKS TO THE CUSTOMERS

W. N. Rudd has written a series of seasonable articles for the National Council of Horticulture press service, which are so full of practical suggestion for those numerous florists, seedsmen and nurserymen who have to deal personally with many of their customers at this season of the year that we print them in full herewith, so that none of our readers may miss them. Employers will find this excellent material for their assistants and clerks. Every employee who comes in contact with customers should be familiar with the facts here set forth.

### Placing Shrubs and Flowers in the Yard.

Many people study the nursery, seed and florist catalogues long and faithfully, make a careful selection of what seems to them good, but fail to consider where these beautiful things are to go. The shrubs arrive, the seeds are ready and the florist comes with the plants. They must be got into the ground quickly, nothing has been thought out, no plans made, and the result is that half the beauty of the results is lost for lack of a little study. Where to plant is just as important as what to plant—often more so. And yet we study the "what" carefully and forget all about the "where." Never plant shrubs, flowers or anything else in the center of the lawn. Plant them anywhere else, but never there. It dwarfs the place and spoils all artistic effect.

The place where the house foundation meets the lawn is a harsh, ugly line. We must plant something around the house close to the foundation. The view under the front porch is not pleasing, so we must plant something to hide it. The weekly wash and other things seen in the back yard do not fill the soul with esthetic joy. Therefore, we must plant a screen from the back of the house to the fence on each side. The division fences are ugly, so we must plant something along them to, at least partially, hide them. Square corners are not pleasing, so we must plant in the corners to round them off. Plants are dead during seven months of the year; shrubs partially conceal and have pleasing forms even in winter, so we must use shrubs for this planting. If there is anything ugly or unsightly which cannot be got rid of, plant it out with shrubs.

Now about flowers—we must have flowers. Plant all you can afford to

pay for if you are prepared to take care of them. If you do not wish the trouble of caring for them, don't plant them. Starved, sick and discontented flowers cry out for help to every passerby. Cruelty to flowers should be made a criminal offense. It is almost as bad to abuse a beautiful flowering plant as to beat a horse. Don't plant in round beds. Plant in long beds in front of the shrubbery where the flowers can have the background of green foliage. Plant the big tall fellows and the brilliant colored ones at the back, the cannas, the hollyhocks and the like. Take that big ugly canna bed out of the lawn and string the cannas out, two or three plants deep, in the front of the tall shrubbery way back in the yard. Plant the smaller and more delicate ones near the front. Plant some sweet scented ones near the porch and near the windows of the living room. Plant little triangular beds in the sharp corners of the walks unless rose bushes are already planted there. In short, know just where you are going to plant each thing before you get it; and above all, don't put clashing colors together.

### Plants and the Soil They Like.

There is almost no soil so poor that it cannot be made to grow flowers, vegetables, shrubs and trees well, if properly treated. Successful cultivation demands two things—a good mechanical condition of the soil, and richness. The first is equally as important, or more so, than the last, and is more difficult to secure. Given a soil in good mechanical condition, it is simply necessary to work in the proper amount of well-decayed manure at planting time.

Never dig fresh manure into the ground, just before planting. If there is none which is well rotted at com-



mand, then spread the fresh article thinly on top of the ground, between the rows and between the plants, and allow the rains to wash it in gradually. If the soil has been cultivated before and has plenty of decayed vegetable matter in it, excellent results may be had with artificial fertilizer bought from the florist or seedsman. Bone is good, but is not a complete fertilizer. Wood ashes should be used with caution, as the large amount of lime they contain may do mischief. The best is what is called a complete fertilizer. Ask the man you buy of how to use it, and never use more than he advises. A very light sprinkling over the soil after spading or ploughing and then raked in, is best. Such things are very strong and will injure or kill plants if used in excess.

Well rotted manure is best and safest. Every garden should have its compost heap, where the material is piled up to decay. Turn it over occasionally. If it smokes or steams, turn it over at once, and wet it, when turning, with the hose. Slow decay is what is wanted, not hot fermentation. A good compost heap is the gardeners' most precious possession. If the soil is a heavy, stiff clay or hard pan, then patience and perseverance are needed. Break it up two spades deep if your back is strong, if not, subsidize a laborer who has a strong back and who knows how. Work into the ground at the same time all the fresh horse manure you can. Leave the ground rough and let the manure rot. The rotting of the manure, both mechanically and chemically, helps break up and fine the soil. After the manure has rotted spade it over again and, if in reasonably fine condition, planting may be done. If not, repeat the process. In some very obstinate soils it may be necessary, in addition, to let the ground lie rough over winter for the frost to work on. Frost is a great pulverizer of clay soils when they are spaded or ploughed up roughly. Never work a clay soil when wet or sticky.

Some plants, like Golden Glow rudbeckia and nasturtiums do best in a light soil without any manure. Roses like a clay soil, and it is hardly possible to give them too much manure, provided it is not too close to the roots when first planted. One can hardly grow most kinds of roses successfully in a light, sandy soil. Geraniums will grow in any soil, but must have only a moderate amount of manure, and not too much water. Pansies like the richest kind of a light, loamy soil. Most shrubs like a moderately rich soil with yearly applications of manure on top of the ground over the roots. Cannas like the richest possible kind of soil with abundance of water after they start to grow.

Many plants will not do well two years in succession in the same place, but we do not know exactly why. This is especially true of sweet peas and asters. It is more or less true of all plants. This is why the farmer "rotates his crops," and why we should, if we can avoid it, never plant the same variety in the same place oftener than once in three years. With the best of soil, properly fertilized, and in the best mechanical condition, we must still see that the plants are properly and firmly set in the ground and are

properly and regularly cultivated. Remember that we cultivate, not so much to kill weeds, though that is essential, as to keep the upper layer of soil loose. Don't water too much, and always hoe the next day after watering. Most amateurs water too much, and hoe too little. The hoe is better than the hose.

#### **Danger in Planting the Garden too Early.**

When the birds come, the grass turns green and the first few days arrive in which the amateur gardener can go coatless, the lust for digging and planting comes to us all. The digging is all right; dig as much and as deeply as can be done, provided the ground is not wet and soggy. Dig in the manure, lots of it, but be sure it is well rotted; raw green manure is poison to plants. If the spring fever is still in the bones, if the fingers still tingle for the feel of the garden tools, dig it all over again. No garden ever was dug too often or too deep. No garden soil was ever too finely pulverized by the spade of its owner. Digging makes the garden glad and a glad garden gives fine crops later on.

But beware of planting too early. When in doubt dig, don't plant. It is a mistake to plant seeds or set out plants in a wet, cold soil. With few exceptions they won't grow. They will at best lie dormant; more often the cold and the wet kill the tender germs and the seed and the labor of planting it is lost, while the crop is delayed waiting for the growth which never comes. No seed should be planted until the ground

is reasonably dry, that is, not wet and sticky. When this condition prevails put in the first sowing of the hardy seeds, radishes, lettuce, onions, spinach, early round smooth peas (if one must have them—the wrinkled ones are a world better) and the like in vegetables, pansies, daisies, sweet peas and nasturtiums among the flowers, although pansies should have been started some weeks earlier in the house, or, better still, good plants should be bought from the florist and set out at once. It is to be noted that the little pansy plants are the best. They will grow better and bloom better and longer than the big fat ones which have been carried over from last fall.

A week or 10 days later, if the weather holds good, the wrinkled peas, beets and other seeds may be planted. Again, a week later, a planting of early sweet corn (Golden Bantam is the best) may be tried, although it is a little risky, still. By May 20 most seeds can be planted and most bedding plants can be set out. Corn, melons, cucumbers, geraniums, asters, lobelia and all except the most tender things are reasonably safe. Coleus and very tender plants should not be set out until early June, and while bush beans may be planted in late May, the limas should not be put in the ground until June 1. For the extreme northern states those dates are too early while as the Ohio river line is approached the dates are late.



BASKET OF EASTER LILIES AND WHITE HYACINTHS.

By Andrew McAdams, Chicago.





EASTER BASKET BY ANDREW McADAMS, CHICAGO.

Hyacinths, Crotons and Ferns.

### Where Roses Will Grow Well.

Success with roses depends on three things—climate, soil and location in the yard. The last two we can control more or less, but the question of climate can only be met by selecting such varieties as will succeed, and making up one's mind to do without the many beautiful varieties which will grow well only in favored localities.

As one approaches and goes south of the Ohio river line, nearly all roses do well, and even the tender tea roses will winter with slight protection. Farther north, in northern Illinois, Iowa, Wisconsin, northern New York and similar latitudes, we have the hot burning sun of summer, long droughts in midsummer, severe cold in winter with little snow, and sudden and severe changes of temperature at all times. These conditions, of course, are modified by the lake influence on the east shore of Lake Michigan and south of Lake Erie and Ontario, but in general they prevail, and are very unfavorable to the growth of all but the hardier roses. Of course, careful protection will winter over many kinds which would otherwise be killed outright; but, unless one is an enthusiast and willing to assume much extra work, the uncertain varieties are best left alone. Some of the smaller varieties can also be made to do very nicely if florist plants are obtained from the florist and set out annually and treated as one treats geraniums and other summer bedding plants. There is little use in trying to dig them up in the fall and keep them through the winter indoors. New plants should be bought each year. For permanent

planting the tea roses will not do, and most of the hybrid perpetuals, while listed in the catalogues as hardy, are not to be relied on.

The rose of roses for outdoor planting in the north is the Japanese rose (*Rosa rugosa*) and its hybrids. We are getting new varieties every year and will soon have a list of these which in color, form and variety, will supply our wants. The original form and several of the hybrids are as hardy as an oak tree. The Rambler roses, such as Crimson Rambler, Dorothy Perkins and the like, are desirable, although occasionally killing back in severe winters. The polyantha roses like Clothilde Soupert, and the baby ramblers are very hardy, as are some of the moss roses and the old-fashioned climbing and garden roses.

In soil, the rose prefers a clay or heavy loam. In fact it is almost useless to try to grow roses in a very sandy or gravelly soil unless mixed with clay. The rose is a gross feeder and requires a rich soil. This can be given if well rotted manure is at hand, or, if the manure is not rotted, it can be used on top of the ground. Never dig fresh manure into the ground where roses are to be planted.

One of the great causes of failure with roses is planting them in the wrong place in the yard. Roses must have full exposure to the sun or failure is sure. They must not be overshadowed by the branches of trees or shrubs, and must not be robbed of nourishment and moisture by tree or shrub roots. Trees, especially willows, box elders and poplars, will send their roots a long way to get into the rich, moist soil of a rose bed. Roses will

do well on the south side of a house and even on the east and west sides, but the rubbish from the building generally buried near the foundation makes it necessary to dig deeply when planting, while the building often prevents their getting a proper amount of water from the rains so that it is necessary to watch and water thoroughly at times.

READING, PA.—John Nolan gave a lecture at the Academy of music, March 14 on the bareness and ugliness of the town, urging more parks, boulevards and home planting. He was accorded a very enthusiastic reception.

CHARLOTTE, N. C.—The Chadwick-Hoskins Co. recently placed an order with the Misses Boyd for 1,700 chrysanthemum plants which will be given to the operatives in the various mill settlements of the company to beautify the yards and flower gardens.

DUNKIRK, N. Y.—Alfred Lindberg, employed as a salesman by the Lake Shore Seed Co., fell into an elevator shaft March 14, to the basement of the building 30 feet below. His worst injury was a long, deep gash over the eye which required five stitches to close.

WASHINGTON, D. C.—Fire destroyed a heating plant and burned away the ends of three greenhouses belonging to Michael J. McCabe, Walker road, March 14. The loss is estimated at between \$2,000 and \$3,000, and is not covered by insurance. It is believed the blaze was caused by the heating plant becoming overheated and setting fire to the woodwork.



## THE RETAIL TRADE

### Another St. Patrick's Day Window.

The scene of the picture herewith, a window display put up by the Idle Hour Nurseries, Macon, Ga., is laid around Killarney lakes. A mirror, is used for the lake, the yacht is made from one flat piece of wood for the bottom with one upright piece in center and one for the top, shaped exactly like a boat. Then the frame is mossed inside the wood work. Green carnations are used for the body of the yacht, and sails made out of linen with the word "Shamrock" in green letters. The boat is then filled with Irish potatoes, a card displays the words, "A cargo from the ould country." There is a rugged road twining itself around the lake, gravel is used for this, and real rocks are used everywhere in the landscape, as also is cork bark, and green wood moss employed for the pasture; in the distance is seen an Irish home with an old well and moss-covered bucket, and the usual wooden bench is seen on the left. Miniature lights are used for the lighting effect at night. On the right is noticed St. Patrick's church, with steps leading from the road up to the church, and the church is lit by green electric lights. Snakes are just creeping out of the crevices of the rocks and also on the lake shore, being driven out by St. Patrick. Rocks and sand placed around the edge of the lake with a few small sticks to represent logs add a great deal to the scene.

All along the road side are green stakes with electric lights to represent street lamps; at the side is a break in the roads, one goes at the back of the rocks and the other crosses and goes at the back of the church, and twines past the cottage, where you see two hogs are feeding in the pasture. The background is a large map of Ireland made on stiff paper and outlined with green paint, the towns are also written in green with the Irish sea on the right of the map. It is a typical Irish scene worthy of comment. Shamrock plants were used in the landscape. The yacht was sent to the Robert Emmet club after the window display.

### Suggestions for Easter Decoration.

For altar decoration a trellis made of green ribbon, at the intersections of which small bunches of lily of the valley should be tied with baby ribbon giving the effect of a flat shower, is satisfactory. Intermingled, there should be garlands of dainty asparagus at the lower edge of each trellis and at the end of each ribbon forming this flower mantel should be tied a loose arrangement of stephanotis or stevia intermingled with lily of the valley.

This same trellis arrangement can be used where an elaborate buffet dinner decoration is desired, using it as a scarf extending over the corners of the table, or as an extended centerpiece continuing to the corners. The centerpiece and flowers for the center table decoration give opportunity for rich and delicate color effects and novelty in arrangement. A handsome

silver plate as the central base for a silver loving cup or for a vase or bowl filled with roses, a silver or porcelain jardiniere filled with growing ferns, a pewter bowl of field daisies or four slender crystal vases of graceful carnations are the conventional decoration for the home.

The delicate beauty of a spray of roses in a small gray green Wedgewood vase, of china pink carnations in a grey blue Wedgewood pitcher, of a spray of cyclamen and maidenhair fern in a green and white stem-like vase or the effect of putting orchids and stevia together in contrast with a flaming mass of scarlet geraniums in a copper bowl, are all artistic possibilities. Foliage, fruits and flowers make an artistic and harmonious whole, and rustic simplicity is artistically obtained by Asparagus plumosus rising from a birch bark cylinder. Flowers which have a heavy tropical fragrance should be avoided; the best material is roses, pinks, and violets. Lilacs are always suitable and delightfully effective and lend to many color combinations.

A pretty Easter table decoration consists of a low centerpiece of pale pink hyacinths arranged on a bed of asparagus and, for a table of six or more, full single strings of asparagus should divide the guests, the fronds extending over the edge of the table, where a small loose bunch of pink hyacinths should be attached in various places to the extending garland. Mignonette can be used to good advantage in connection with the underlying decoration of this centerpiece.

Candelabra at each end of the table should have violet shades and, attached to the base of the candelabra, should be the souvenirs for the guests, viz.: bunches of violets arranged in a loose artistic manner tied with wide green gauze ribbon so arranged as to form a background for the violets—or to fall on the cloth in a circle around the base of the candelabra. A fine green finishes the centerpiece, the whole making an effective and inexpensive table decoration. At each plate should be a card with the name of the guest on it in a frame made of the African violet.

A. E. KLUNDER.

### March Flowers in the New York Stores.

Roses and carnations are now at their best. While we may yet see much good stock, a few weeks of mild weather with warm nights may be expected to deteriorate the quality of carnations. Special American Beauties are more plentiful than they were two weeks ago but there is no surplus of good blooms. The supply is increasing and by Easter we may expect an abundant supply. There is an abundance of the short stock but it is not generally handled by the retailers.

Killarney, White Killarney, Chateaufort, Richmond, Bride and Bridesmaid are all good. There are also good blooms of My Maryland to be seen. We venture to state that the above mentioned varieties include 99 per cent of all the rose stock that is



ANOTHER ST. PATRICK'S DAY WINDOW.

By H. G. Evans, of the Idle Hour Nurseries, Macon, Ga.

A suitable decoration for the March luncheon is the modest African violet. The centerpiece should be an oblong flat basket filled with African violets arranged in the following manner: Take a stout wire and, at the end, cluster (loosely) say a dozen violets; encircle these with asparagus vine forming in other words a little individual bouquet—fill the centerpiece with this arrangement. Lily of the valley will lend a pretty variation where contrast is desired.

handled in this city. Sunrise may frequently be seen, as a novelty, but it is not and never will be a staple stock. Its stems are too short and it does not appeal to the flower-buying public for general use.

We have recently had a rose show in this city and a matter-of-fact retailer has delivered himself in an original way regarding shows. He said: "These shows are a nuisance. They are free and the public flocks to them, then they come into our





LILIES AT POEHLMANN BROS. CO.'S, MORTON GROVE, ILL., TEN DAYS BEFORE EASTER.

stores and expect to find the same kind of stock that they saw at the show." While this incident is not mentioned to in any way disparage the exhibitions, which undoubtedly go far toward popularizing flowers, it shows the viewpoint of men who are merely after the dollars and cents and who see no beauty in anything that does not carry a percentage of profit.

Killarney rose is far in the lead. Getting at the facts, this is not so much on account of its popularity with the public. It is largely due to the growers, who find it more profitable than Bride and Bridesmaid. Many of the buyers in retail stores do not know the difference between Killarney and Bridesmaid or between Bride and White Killarney. They simply ask for pink or white roses. As a sidelight, a leading retailer recently said: "We must always have on hand some Brides and Bridesmaids, because there are a few people who ask for them and know them when they see them." As a red rose, Richmond has practically eliminated all the others.

The carnations Alma Ward and Mrs. C. W. Ward are very fine and popular, and so is Enchantress and its sports. While, as Adolph Farenwald puts it, the rose may be the brightest of flowers, there is now and

always will be, a great demand for carnations. They are decidedly the flowers for the plain people of whom Lincoln said, "God must have loved, because he made so many of them." While there is an abundant supply of double violets, many of them are of a miserably poor quality and as it is now the fashion to use orchids, gardenias, lily of the valley and sweet peas in corsage bouquets of violets it goes far toward pushing them. The single violets are increasing in popularity and we warn the growers that, as between a poor double and a good single violet, the choice is quickly made in favor of the latter. There is a steady demand for orchids, and many fine blooms, largely of cattleyas, may be seen. Unlike roses and carnations, there is from year to year, little improvement in the quality of these flowers, but their beauty and utility is always appreciated and they are here to stay.

◆ There is a constant increase in the popularity of good gardenias. Flowers with stems a foot long are no longer novelties and such blooms are in constant demand. Some of us can remember a time when Easter lilies were seldom seen except at Easter. We now have them all the year. Though there has been some talk of a scarcity of good pot plants, there is now an abundance of cut stock

on the market and considering the wide area from which this city draws its supply there is little likelihood of a dearth. Lily of the valley is plentiful and, considering past conditions, it is cheap, but that is inevitable. We have never taken much stock in the artificial flower scare but, considering the great increase in the supply of natural flowers, it would seem that the days of high prices for all stocks will soon be in the dim past. There is an abundance of what may be termed the minor stocks, including sweet peas, daisies, snapdragons and cut primroses, and they are found in the stores. The forsythias, flowering cherries, almonds and other spring stocks are seen in profusion and as decorative features they fill a large space. Of what is generally termed bulb stock, omitting lilies, the tulips seem to be the most popular. By some of the leading retailers, narcissus has come to be considered more of a nuisance than otherwise. In the years when other stocks were scarce it was useful but its popularity is waning and many growers can save time and money by noting this fact. While the Easter stocks of plants are not yet in, many fine plants are to found in the retail stores. These include azaleas, rhododendrons and different varieties of pot roses. Hyacinths, lily of the



valley and other small stocks may also be seen, attractively arranged in pans and baskets.

#### NOTES.

Chas. Thorley, who has original ideas, had recently a great display in his show windows of wicker hamper. Each hamper showed a fine bouquet. Some were of Killarney, White Killarney and Sunrise and moss roses, all being tied with ribbon of appropriate shade. Corsage bouquets displayed in glass boxes were other novelties. In the store, the leading feature was a large combination of fine pot roses and other flowering plants. Mr. Thorley predicts good Easter business.

At Geo. M. Stumpp's preparations are being made for a heavy trade in Easter plants. A feature at this store is a large plant of yellow jasmine which has for the past month been showing an abundance of bloom. In a city as large as this where there are so many skilful men in the business, it is impossible to mention all the good things that are to be seen in the retail stores. Each and all of the dealers, to the best of their ability, display the stock that appeals to their particular line of customers.

#### Easter Preparations in Chicago.

If Chicago retailers do not do a record-breaking business at Easter it will not be for want of preparation, for all the principal stores are well decorated and fine stock in all varieties is well displayed. With regard to novelties there is nothing much new to chronicle though there are new shapes in baskets and fine ribbons in all imaginable shades to "dress" the excellent pot stock that is coming to the market. Plants include the usual Easter offerings. Hydrangeas are not very plentiful or as forward as usual, the date being too early for these plants. Azaleas are at their brightest and best, the few bright days having brought them out but not overdone them. Cyclamens are unusually good for Easter and primulas are in fine shape, while there are the usual small flowering and foliage plants in plenty for baskets.

The George Wittbold Co. has a fine stock of baskets in many novel shades and we specially noted the ivory and green colored ones which are remarkably good. Some Pompeian ware here too is excellent. It is imported from Italy and other European countries and is an exact reproduction of the genuine article. It is high priced but very fine. Other fine things are the willow and gold braid baskets. The plant and cut flower stock is very showy and good here and advance orders for the festival are heavy. Canger & Gormley are preparing fine baskets and other receptacles for their trade. Some of the light green and yellow ones are very beautiful and when well filled make a most artistic and beautiful Easter gift. Bulbous stock, azaleas, Easter lilies and other plants are shown in great variety, suitably decorated.

Harry Rowe, as usual, has some very tasty baskets and his plants are exceptionally good. Cyclamens are far better than usually seen at

Easter while his *Primula obconica*, azaleas, hydrangeas, Easter lilies, rambler roses and others are in fine order. We noted a very good thing here in the way of a jardiniere and pot combined, the pot slipping in closely in the jardiniere case. These are easy to handle, as they can be filled and slipped in when ready without soiling the jardiniere. Grass baskets in pretty light colors were also noted. August Lange reports that his trade at Easter runs along about the same lines as at other times though the bulk of it, of course, is greatly increased.

John Mangel's store is extremely attractive. He has large plants of azaleas in the Monroe street windows, some big specimens of Apollo being especially good and profusely flowered. We also noted some of the most magnificent Keizerskroon tulips we have ever seen, great massive flowers of remarkably good color and substance. The pot stock of Easter lilies is good here and there are also fine foliage plants. Outside in Wabash avenue is a dwarf box hedge and he is also showing fine *Aucuba Japonica*, both the male and female forms. The Bohannon Floral Co. is showing extremely artistic baskets of bulb stock and other flowers and the taste and skill with which they are arranged are very creditable to this rapidly rising firm. Circular letters sent out to customers advising them that ordinary prices would be charged on all goods ordered by a certain date proved to be good business get-

be beautifully fresh when delivered to the customer and, not being disturbed, will last as long as it is possible for them to. Straw Easter hats trimmed with violets and violet covered chiffon are being shown in the windows on Jackson boulevard. Plant stock is excellent here and, as usual, only the choicest of cut flowers will be handled.

## THE CARNATION.

#### Worms in Carnation Soil.

ED. AMERICAN FLORIST:—

I am sending you by this mail several specimens of a worm with which my carnation soil is infested. I have not noticed any harm from it yet. Will you kindly tell me what it is and if it is injurious to plants?

C. W. C.

There was nothing in the box on arrival but a little soil, dust dry, and the insects, if any were put in, had either escaped or were dried up.

#### Carnations Carried Over.

ED. AMERICAN FLORIST:—

In one of your recent issues one of your correspondents ask a question about carrying carnations over the second year. Here it has been a most satisfactory experiment. Some two years ago we happened to try one bench some 80 feet long; this year, or last fall we left two benches, mostly



AMERICAN BEAUTY AT THE METAIRIE RIDGE NURSERY CO., NEW ORLEANS, LA

Harry Papworth, Jr., in Walk.

ters and the advance orders have been heavy. Azaleas, lily of the valley, primulas and hydrangeas are among the finest plants here.

The Fleischman Floral Co., as usual, is making great preparations for Easter and has many elaborate baskets and other devices under way for this holiday. An excellent plan to be followed with some of the baskets is to place tins with lily of the valley, already grown, in them. These tins are numbered to correspond with the baskets and thus there is no risk of their not fitting. The flowers will thus

Enchantress. They look now just as well as those newly planted. The fall crop came in early and produced more flowers. They are now off crop somewhat, but are in the pink of condition. As regards a crop about Easter up 'till next July 1, our mode of treatment is to keep our carnations cool as possible by shade and water during the summer so that they do not get exhausted. In the fall we give them a partial rest by keeping rather dry; then all the dead and weak wood is cut out, the wire and strings are repaired, the weeds cleaned out, top



dressed with good hotbed manure and loam equal parts with a little bone meal or flour. One good watering is given and no more for a few days until the growth begins and more water by degrees is given. About October or November they ought to produce a pretty good crop, quite as many as the newly planted ones. Such has been our experience; we cannot answer for others in a different climate, as circumstances or a more southerly climate might alter the case. I would say experiment yourself with a piece; there is nothing like your own experience.

J. B.

Frederickton, N. B.

a self-evident fact that the experiment was a success, considering the fact that here in the west the same price is paid for carnations practically all the time—summer and winter. Taken as a whole there is nothing specially to favor the average beds of carnations being carried over the second season but where one has a good healthy lot of plants in the spring and a good demand throughout the summer and fall, with care and plenty of ventilation, good handling and management and a crop of tomatoes to follow early the next spring, we would consider it a wise thing to carry the plants over. How-

be of great benefit in aiding the plants to resist the hot bright weather.

Wherever possible, the ground should be put in condition for planting out the young stock. In the extreme south the time to plant is now. Further north a month later will be all right. The ground selected for planting should have ample natural drainage, and when the ridge and furrow style of planting is adopted, the same can be easily irrigated during periods of drought. Where the ground is limited in extent the plants can be set out in beds in close rows and worked with a hand cultivator, but where there is plenty of room the ridge and furrow system is preferable. The grass is easily kept in subjection, the drainage is more perfect and working with the plow conserves the moisture to the utmost in times of drought.

WM. LEAR.

### Horticultural Society of New York.

#### AWARDS AT SPRING SHOW.

The following are the awards at the spring flower show of the Horticultural Society of New York, held in connection with the convention and exhibition of the American Rose Society as reported in our last issue:

Kentia Belmoreana specimen—Siebrecht & Son, New Rochelle, first.

Kentia Forsteriana, specimen—Siebrecht & Son, first.

Vase of Stocks, Queen Alexandria—Chas. Hathaway, East Orange, N. J., (gardener Max Schneider), special mention.

Daisies—A. L. Miller, Brooklyn, special mention.

Bunch of Snapdragons—Francis X. Gully, Ramsey, N. J., special mention.

Three plants of stocks—Francis X. Gully, Ramsey, N. J., first.

New Carnation Wodenethe, Winthrop Sargent, Fishkill-on-Hudson, N. Y., (Frank Whitney, gardener), certificate of merit.

New Carnation Pierson's Pink No. 40—F. R. Pierson Co., Tarrytown, certificate of merit.

Cytisus praecox—Samuel Untermeyer, Yonkers (W. H. Waite, gardener), first.

Hippeastrum (Amaryllis) hybrids—Samuel Untermeyer, Yonkers, first.

Phoenix rupicola—Siebrecht & Son, first.

Chamaerops humilis—Siebrecht & Son, first.

Encephalartos Altensteinii—Siebrecht & Son, first.

Adiantum Farleyense and Lily of the valley—A. N. Pierson, Cromwell, Conn., special mention.

Violet Marie Louise—Thos. De Voy's Son, Poughkeepsie, certificate of merit.

Calla Elliottiana—John Lewis Childs, special mention.

Carnation Mrs. C. W. Ward—The Cottage Gardens Co., Queens, certificate of merit.

Carnation Alma Ward—The Cottage Gardens Co., certificate of merit.

Artistic decorations of hat, parasol and fan, trimmed with violets and orchids—Rosary Flower Co., special mention.



NEW YORK HORTICULTURAL SOCIETY.

Cyclamens Exhibited by J. Stuart, Gardener to Mrs. F. A. Constable, Mamaroneck, N. Y.

In a recent issue of the FLORIST I noticed an inquiry from "G. T.," Virginia, and I would like to mention some carnations that were carried over at the establishment of H. W. Manike of Tacoma, Wash. They were Lawson and Enchantress and the way they were handled may be said to have proved a profitable experiment when we consider total of time and space occupied and the financial returns. The plants were not very large when benched after a season's growth outside and not early planted, consequently in the early part of the first season no great number of blooms were cut. A fine cut of choice flowers came on in early spring and continued through the summer and the plants were neglected somewhat until the demand began in fall when they received more attention and a cleaning up, picking over, mulching and watering. They were quite promising in the fall and supplied a goodly cut of very nice flowers. They greatly outdid the newly planted stock until after the holidays, in number and quality of flowers.

As the next spring came on they began to fail and it was decided to plant the space to early tomatoes. The space was planted to them, and carnations left in for a while until they interfered, then taken out and the space given to tomatoes altogether. A fine crop of tomatoes soon grew and the crop finished in just the right time to fill the space with a crop of carnations for the next year. No exact record was kept of either crop of carnations, or tomatoes, but it was

ever there is a lot depending on the man who has the handling of them.

TACOMA.

### Carnations in the South.

The month of March with its warm weather marks the beginning of the end of indoor culture generally all over the south. Not that fair carnations cannot be produced for a couple of months, but the blooms begin to get smaller and lose much of their keeping quality. All the points in good culture should be strictly observed, giving the plants the limit in fertilizers. A good shade on the houses will



NEW YORK HORTICULTURAL SOCIETY.

Lager & Hurrell's First Prize Orchid Display.



### Echoes of the Rose Show.

A feature of interest was the classified exhibit of various types of roses by Dr. E. B. Southwick. It showed the painstaking work of a skilled rosarian and botanist. It was not an exhibit of flowers but a classification of varieties and a commendable feature.

Cornell University should be credited with two good men whose interest in horticulture is untiring. These are Prof. John Craig and L. B. Judson of its department of horticulture.

The exhibit of A. N. Pierson Inc., Cromwell, Conn., was very fine but was not entered for competition. In addition to the very fine roses there was a beautiful display of *Adiantum Farleyense* and lily of the valley.

The Cottage Gardens Co., Queens, N. Y., staged a fine exhibit of its carnations—Alma Ward and Mrs. C. W. Ward.

Pierson's Pink, a seedling carnation by F. R. Pierson, looked well and attracted attention.

The prize winning exhibits of Richmond and Killarney by A. Farewell were truly magnificent.

A feature deserving high praise was the orchid exhibit of Lager & Hurrell. Not only was the stock very fine but the arrangement and staging was perfect.

We must say a word for Joseph A. Manda, manager of the show. He filled the bill. He was always on the job and while not obtrusive or fussy he knows how to do the right thing at the right time.

The chancicleer hat and floral muff, made of violets and *dendrobium's* exhibited by the Rosary Flower Co. were very pretty features.

### THE BANQUET.

The St. Patrick's night banquet at the Fifth avenue restaurant was very interesting and enjoyable about 300 being present. Patrick O'Mara was toastmaster and he is well known to be an expert in that line. There was an excellent musical programme, and the different speakers said many good things. A large number of the visiting rosarians were present with their lady friends and the affair was an unquestioned success. Chairman Sheridan and his committee are to be congratulated. In his address of welcome to the American Rose Society President Miller, of the New York Florists' Club, spoke in part as follows:

Mr. Toastmaster, Mr. President and members of the American Rose Soci-

ety:—Ladies and gentlemen, I have been given a task. If I could express my feelings I would say a good many kind words of praise to you but, however, I will endeavor to do the best I can. Little did I think several months ago that I would have the honor to welcome your society and to make you feel at home.

It is needless for me to say that the New York Florists' Club extends a hearty welcome to all. Gentlemen, you are always welcome and the more often we meet our brother florists from other sections of the country and talk matters over—let it be the rose, carnation, sweet pea or any other society connected with our business—let us be neighborly and friendly and our work will be a great deal lighter. Of course we must not forget the S. A. F., the foundation of all our societies, and hope that we will all meet at Rochester in August next. I told President Frank Pierson that one of the largest locomotives in New York city would not be strong enough to carry the members of the New York Florists' Club to the convention city.

Now, ladies and gentlemen, when I was elected president of the club I promised to do all the work that was piled upon me, but would have to be excused on the talking end; as I look over the lengthy programme and see such distinguished orators who certainly can talk and who I know you will enjoy I must give way to those gentlemen. I trust that we will have in the near future the pleasure of entertaining you again, and with a rising toast we drink to the health, prosperity and long life of the American Rose Society.

### PROFESSOR CRAIG'S ADDRESS.

Speaking of the "Relation Between the Florists and the Experiment Station," Prof. Craig drew attention to the significant fact that the entire state led all others in the extent and variety of its horticultural products. She stood first in the annual output of deciduous fruits, first in the value of nursery products, first in the output of vegetable crops, first in the extent of land covered by glass for the forcing of vegetable and flower crops and first in the value of her floricultural products. She occupied a proud and enviable position in the horticultural world.

He then commented upon the peculiar fact that while most of the agricultural industries were well cared for by the state through its experiment station activities, floriculture was but weakly represented. In look-

ing for the reason it appeared that the responsibility of this condition rested primarily upon the florist himself, for the manner in which the other industries was represented was due in large measure to the aggressiveness of the men in the field. That the greenhouse equipment for the experiment station research was painfully inadequate in the state which claimed floriculture supremacy was a reflection upon the progressiveness of the men in the work. The speaker cited the conditions existing in Illinois where the state association had not only secured a fine range of commercial houses for the agricultural experiment station but also a grant of \$10,000 to be used in conducting experiments in floriculture. This illustrated a splendid type of co-operation between florists and research officers.

The germ of a similar movement had been started in New York by the recent action of the Florists' Club of Buffalo which had resulted in the introduction of a bill in the New York legislature providing for an appropriation to cover the cost of erecting greenhouses to be used in solving problems in commercial floriculture. These houses are to be located at the New York State College of Agriculture at Ithaca where the glass structures already in use are now devoted to laboratory and educational work. The movement had already received the endorsement of the Rochester Florists' Club and the support of the executive committee of the national society. He raised the question as to the position and attitude of the New York florists in promoting such a movement. The work was theirs and should be promoted or discouraged according to their own views and desires.

### ADDITIONAL AWARDS.

W. G. Badgley, Chatham, N. J., won the prize of \$25 for the best vase of 50 Killarney roses offered by A. J. Guttman. The Dorrance challenge prize, which has been offered by Benjamin Dorrance, Dorranceton, Pa., for a number of years but never won, was awarded to Mr. Dorrance this year by the judges. In Division B, Class 121, the United States Cut Flower Co., Elmira, N. Y., took first for 25 Ivory.

### ADDITIONAL VISITORS.

P. J. Donahoe, Boston, Mass.; John A. Evans, Richmond, Ind.; P. H. Barnes, Harrisburg, Pa.; Richard Vincent, Jr., White Marsh, Md.; S. S. Skidelsky, Philadelphia, Pa.; J. A.



MASSACHUSETTS AGRICULTURAL COLLEGE.

Short Course Students in Agriculture and Horticulture, Winter Season, 1910.





TRI-CITY FLORISTS' CLUB BANQUET, MARCH 17, 1910

Valentine, Denver, Colo.; E. G. Hill, Richmond, Ind.; Francis G. Marchan, Dorrenceton, Pa.; Anna Dorrence, Dorrenceton, Pa.; A. J. Loveless, Lenox, Mass.; Fred Burki, Pittsburg, Pa.; Chas. Schwenke, New York; C. C. Taylor, Louisville, Ky.; James Campbell, Ardsley, N. Y.

#### Massachusetts Agricultural College.

##### SHORT COURSE IN FLORICULTURE.

The short course in floriculture closed March 11. It is to be regretted that so few took advantage of the excellent opportunities to avail themselves of practical and theoretical information along floricultural lines, and it is hoped the course may be more largely attended next year. The registration for this course included: Albert C. Bradstreet, Topsfield, Mass.; Lydia A. Bowser, Cohasset, Mass.; George A. Gray, Beverly, Mass.; Edward I. McCarroll, Waban, Mass.; Albert Lewis, Rockaway, Long Island, N. Y.; L. E. Torrey, Southbridge, Mass.; John L. Killam, Boxford, Mass.; Willard M. Pease, Monson, Mass.; William Seace, Pittsfield, Mass.; Edwin G. Scott, Garfield, Wash.; Edwin R. Selkregg, North East, Pa. While it is difficult to arrange a course which will meet the needs of all classes of students, the aim is to give the beginner as much elementary information as possible without neglecting those who are more advanced, and at the same time to make the work sufficiently scientific to satisfy the needs of those who have been longer in the business.

The talks by the various practical men who have generously assisted in the course have again proved most valuable. Aside from the general lectures of the course the following spoke on some special feature of greenhouse

work. F. J. Elder, heating expert, Lord & Burnham Co., Irvington-on-Hudson, N. Y., on "Heating"; Eber Holmes, Montrose, and W. H. Elliott, of Brighton, on "Rose Culture"; Peter Fisher, Ellis, Mass., on the "Development of the Carnation"; M. A. Patten, Tewksbury, on "Cultural Methods for the Carnation." E. O. Orpet, of South Lancaster, gave a very fine talk on orchid growing and exhibited a large number of varieties in bloom. E. J. Canning, of Northampton, spoke on the work of the private gardener. Aside from these speakers, C. H. Totty, of Madison, N. J., gave an excellent talk on chrysanthemums. J. K. Shaw, of the horticultural division of the experiment station, spoke on the principles of plant breeding, and H. D. Haskins, of the chemical division of the experiment station, gave an instructive talk on fertilizers for the greenhouse crops. Edward MacMullin, of Boston, was scheduled to speak on the retail trade, but was prevented from doing so because of sickness.

The Saturday observation trips proved especially profitable. The following are among the ranges visited: H. W. Field's, Northampton; A. N. Pierson's, Cromwell, Conn. The Montgomery Co.'s, Hadley; Smith College conservatories, Northampton; Mt. Holyoke College conservatories, South Hadley; Waban Rose Conservatories, Natick; Wm. Nicholson's and S. J. Goddard's, Framingham; Butterworth's, South Framingham; Peter Fisher's, Ellis; Geo. Sinclair's, Holyoke, and Wm. Sim's, Cliftondale. Full notes on each of these trips were required. The Massachusetts Agricultural College stands ready to assist the state florists in every way possible; the mission of the floricultural department is to be of service to the practical growers and retail men.

#### Tri-City Florists' Club.

Probably the prettiest and most elaborate decorations ever seen in Davenport, Ia., were unfolded at the fourth annual banquet of the Tri-City Florists' Club, which was held at the outing club on the evening of St. Patrick's day when some 16 couples who had been invited sat down to a sumptuous banquet. The tables were placed in the form of a horseshoe and were profuse with cut flowers donated by the members of the club. A bar for the shoe was formed by an orchid vase which defies description, being exquisite in its very conception. At the banquet last year it was thought that the decorations had reached the height of the decorators' art, but it was left for Harry Bills, John Temple, E. O. Boehm and Theodore Ewoldt to reach the mark of perfection.

Theodore Ewoldt acted as toastmaster and speeches and humorous talks were made by various members. Harry Bills, chairman of the committee, did himself proud by his remarks in introducing the toastmaster of the evening, and R. C. Rohlf's sang a song that created no little merriment. Wm. Knees won the applause of all the ladies in his speech on behalf of the fairer sex. Supt. Boehm, John Temple and Ludwig Stapp all received their share of the applause for their talks along humorous lines. After the banquet everyone took part in the ball, and made merry till the wee hours of the morn, all voting the banquet and ball the most enjoyable affair ever held by the club. The committee takes this means of thanking one and all who donated flowers and by their presence made the success that attended the fourth annual banquet.



# THE AMERICAN FLORIST

1885 TWENTY-FIFTH YEAR 1910

Subscription, United States and Mexico \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

Eastern Representatives:

A. F. FAULKNER, 1133 Broadway, New York.  
KOBEL, 1725 Chestnut St., Philadelphia, Pa.

**THE AMERICAN FLORIST,**  
324 Dearborn St., CHICAGO.

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MEMORIAL DAY stock now claims attention.

WE shall be pleased to have Easter trade reports from all our readers.

CUSTOMERS will remember that pickled stock and perhaps buy artificial flowers next time.

### Society of American Florists.

#### DEPARTMENT OF REGISTRATION.

As no objections have been filed, public notice is hereby given that the registration of the rose, Wm. R. Smith, by The Conard & Jones Co., West Grove, Pa., becomes complete.

H. B. DORNER, Sec'y.

March 17, 1910.

THE fourth annual rose festival will be held at Portland, Ore., June 6-11. The round trip fare from Missouri river points is \$50, tickets good for 90 days.

PLAN now for the National Flower Show which will be held at Boston next March. The preliminary premium list appeared in our issue of March 5.

IN our telegraphic report of the awards at the exhibition of the American Rose Society last week, Adolph Farenwald was not credited with the first prizes which he was awarded in classes for 50 blooms of Killarney and 50 blooms of Richmond, the premiums being offered by Henshaw & Fenrich and H. Froment, respectively.

THE Boston Orchid Show occurs this year, May 26-30, 1910—don't forget that. Bunker Hill monument still stands and part of the Common remains. The old lady with the spectacles is usually very charming at that time of year, with a very reliable east wind for hot days and beans for breakfast every Sunday morning. "I want to know."

### The Grapes of New York.

#### IMPORTANT CONTRIBUTION TO POMOLOGY.

The publication of "The Grapes of New York" in the Report of the New York State Experiment Station, Part 2, for the year 1909, by Professor U. P. Hedrick, horticulturist at the station, is a highly meritorious contribution to an important field of American pomology. It might be inferred from the title of the work that it is only of local value, but such is far from the case as it is in reality of high importance to viticulturists throughout North America, as inferences and deductions can be readily drawn, applicable to the eastern section of the country where grape growing is possible. The scope of the work is clearly stated in the preface as follows: "Brief historical narratives of old world and new world grapes; an account of the grape regions and grape growing in New York state, with statistics relating to the grapes, wine and grape juice industries in this state; a discussion of the species of American grapes, and synonymy, bibliography, economic status, and full description of all the important varieties of American grapes. In the footnotes will be found brief biographical sketches of those persons who have contributed most to the evolution of the grape and to grape-growing in America, and some historical and descriptive notices of certain things pertaining to the grape which do not belong in the text and yet serve to give a better understanding of it, or otherwise add to the completeness of the book. Color plates are shown of varieties which from various standpoints are considered most important."

In Chapter IV the author deals clearly and comprehensively with the species of American grapes, and follows L. H. Bailey in his specific interpretation of North American vitis and credits 23 species to North America. We, however, are strongly of the opinion that when the genus is critically examined throughout North America in the same way that rubus, crataegus and some other genera have been lately, that a number of new species will be dis-

covered, and admitted; and as the tendency seems to be with some of our most painstaking botanists to multiply species, when scientific facts point clearly in that direction, it is therefore quite likely that the wild grapes will be further investigated in the near future, and the species increased.

The author calls attention to an important specific status amongst grapes, first observed by Professor Millardet of Bordeaux, namely, the value of the diaphragm as a means of distinguishing species. Any horticulturist familiar with the wood of the grape has observed that grape canes contain a central pith, and this pith is interrupted at the joints by a woody tissue known as the diaphragm. In different species this diaphragm varies, and is constant in all the individuals that represent the species. In some species it is quite thick, in others medium, in some quite thin and, in one, entirely absent. There is an excellent color plate showing the canes of 10 species, with the position of the diaphragms plainly shown. It is highly important that all viticulturists who are aiming at the improvement of the grape, should be familiar with the specific attributes of the various species from which our cultivated grapes have been evolved, because, as the author says, "The great problem of plant breeding in the future will be to correlate the characters known to exist in the plant being improved," and whilst in the case of the grape, the main factor is the highest quality of the fruit, there is a physical correlation in every part of the plant that is being improved, commensurate with, or corresponding to, its development.

For example, take the northern Fox grape (*Vitis labrusca*): The blood of this species is strongly prevalent in the large majority of the best and most popular American grapes today, and the correlation of its physical qualities in its hybrid offspring can easily be detected, such as the brown pubescence of the leaves underneath; more or less musky aroma in the fruit, which is so pleasing to Americans; and other qualities. It is not probable, judging by past and present experiences, that an all-round first-class variety of grape can be evolved, satisfactory and popular with the American public, in which the blood and physical properties of the northern Fox grape will not be markedly present. This should be borne in mind by hybridizers, and in our judgment, a great deal of wasted effort may be averted in trying to produce something which may not be adapted to many exacting conditions. Prof. Hedrick devotes considerable space recounting the many determined efforts made by Englishmen, Frenchmen, and others, towards establishing the European grape and its varieties, many years since, in eastern America, but which after large expenditure of money and time ended in complete failures. The western section of the continental divide, particularly in California, is the only part of this continent where it will flourish.

The color plates, in the work, illustrating 92 varieties of important American grapes, are superb reproductions. We do not think that human



ingenuity could devise anything better. Certainly nothing comparable exists on the same subject. In the body of the work all the leading varieties are technically described with numerous historical and other notes. A chapter is devoted to briefly describing or noting "the minor varieties of American grapes;" that is, every variety of American grape that has ever been recorded or brought to light, no matter if it turned out to be worthless. The amount of work involved in the experimentation, investigation, bibliographical references and compilation, in this record of American grapes was enormous. The Geneva Experiment Station, the gentlemen who assisted in this work, and Prof. Hedrick are to be congratulated in placing before the world a work which will take its place in the front rank of American pomology.

JOHN DUNBAR.

### Meetings Next Week.

Baltimore, Md., March 28, 8 p. m.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.

Cleveland, O., March 28, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit street.

Lake Forest, Ill., March 30, 8 p. m.—Horticultural Society of Lake Forest, Council Chamber, City hall.

Lake Geneva, Wis., April 2, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.

Pasadena, Calif., April 1, 8 p. m.—Pasadena Gardeners' Association, Board of Trade rooms, West Colorado street.

San Francisco, Calif., April 2.—Pacific Coast Horticultural Society.

## Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

**Situation Wanted**—By young man with twelve years' experience in seed business, both retail and wholesale; can furnish reference. Address  
Key 475, care American Florist.

**Situation Wanted**—As second gardener or single handed place; understands greenhouses, lawns and vegetables; best references; English; single. Address  
BURTON,  
13 Dixwell Ave., New Haven, Conn.

**Situation Wanted**—As gardener; private; 25 years' experience; married; no children; ready for engagement April 1; best of references. Address  
MAX STERDLER,  
Oconomowoc, Wis.

**Situation Wanted**—By A No. 1 grower of cut flowers and potted plants; good propagator; German, 36 years of age; able to take full charge; have always made a success of it. Address  
EMERT FRIGGE,  
316 Capitol Avenue, North Lansing, Mich.

**Situation Wanted**—By practical grower of cut flowers and pot plants in general; 20 years' experience in England, 3 years in Canada; private or commercial; married; middle aged; total abstainer. Address  
HENRY TUCKER,  
815 Queen St., Chatham, Ont., Canada.

**Situation Wanted**—By competent grower of cut flowers and potted plants in general; willing to take charge; or as foreman in an up-to-date commercial place; 26 years in the trade; middle age; single, sober. Address  
Key 461, care American Florist.

**Situation Wanted**—On commercial or private place by life experienced grower of roses, carnations, mums and pot plants in general; capable of taking full charge; age 33; single; best of references please state wages and particulars in first letter. Address  
CHAS. KLEINSORG,  
44 S. Oak st., Kansas City, Mo.

**Help Wanted**—Man for carnations and general greenhouse work; good potter.  
G. VAN BOCHOVE & BRO.,  
Kalamazoo, Mich.

**Help Wanted**—A man who is handy with garden and outside flowers; work on shares or salary; state age experience and nationality.  
ALPHA FLORAL CO., Kansas City, Mo.

**Help Wanted**—Man for general greenhouse work at once; state wages and experience in first letter. Address  
A. BOMMERSBACH,  
Decatur, Ill.

**Help Wanted**—Four rose section men to do potting, shifting, planting and help in different sections cutting roses, disbudding, etc.; salary \$50.00 per month until section is open.  
POEHLMANN BROS. Co., Morton Grove Ill.

**Help Wanted**—At once—working foreman, to take charge of extensive trial gardens of a large Eastern seed house; must thoroughly understand testing and growing seeds, bulbs, etc., of all kinds, both under glass and outside reference required; give experience and wages wanted. Address  
Key 471, care American Florist.

**Help Wanted**—A working practical gardener, bright, active, energetic, rigidly temperate, familiar with steam-heated greenhouses flower gardens and decorative work; a married man, English-speaking; wages to begin, \$75; excellent house, fuel and light. Apply, giving full particulars and references, to  
SUPT. ALLEGHENY CEMETERY,  
Pittsburg, Pa.

**For Sale**—Only greenhouses in Hendricks Co. Address  
MRS. B. F. HOWELL, Danville, Ind.

**For Sale**—5000 feet of glass with dwelling; no competition; a rapid growing trade; a rare opportunity for a florist of small means.  
DWIGHT GREENHOUSES, Dwight, Ill.

**For Sale**—Four greenhouses and 1 acre or more of land; also house and lot next to same in one of best cities of Northern Ohio; one of firm retiring reason for selling. Address  
Key 455, care American Florist.

**For Sale**—One brickset Furman boiler in good shape; 1 model No. 30-5 good as new, used two winters, very cheap if taken at once; will install larger one in place of the two.  
Key 468, care American Florist.

**For Sale**—10,000 ft. glass in city of 1,800, in the middle west, established retail business of 25 years; close to four large cities; one of the best locations in the country to build up wholesale business; owners are engaged in other line of business and cannot give greenhouse personal attention; present owners can handle entire output of purchaser; a splendid opportunity for live energetic man. Address  
Key 463, care American Florist.

**For Sale or Rent**—40,000 square feet of glass, in good location; needs partial rebuilding; rent accordingly, or will sell at reasonable price.  
Key 460, care American Florist.

**Wanted to Buy or Lease**—with privilege of buying, small greenhouse establishment, in June; have \$1000 for first payment; Ind., Ill., Iowa, Ky., or Mo. preferred; give full particulars in first letter. Address  
Key 467, care American Florist.

**Wanted**—Catalogues of Nursery stock.  
C. F. SCHNEIDER,  
2927 Walnut St., Milwaukee Wis.

**For Sale**—Established florist business 6000 feet of glass in good condition, stocked for spring trade; ground 100x125 feet in one the best residence districts, town of 35,000; no opposition in this part of town, 7-room house and a bargain at \$4,500.  
THE CARNES GREENHOUSES,  
Muncie, Ind.

## WANTED AT ONCE

A sober, industrious man for general greenhouse work. Wages \$14.00. Address

Key 454, care American Florist.

## Working Gardener

Wanted—April 1—for city in Iowa; place within three blocks of main electric car line; man who can grow vegetables and flowers and assume entire responsibility for the general work on the place. Address

Key 472, care American Florist.

## Foreman.

Situation wanted by all-around grower as foreman; All references.

Key 451, care American Florist.

## FOR SALE.

26,000 sq. ft. of glass, stocked with carnation plants. Also five acres of land to sell or lease.

AUGUST ERICKSON,  
3437 Foster Ave., Chicago.

## For Sale

Five acres of land and 10,000 feet of glass, seven room dwelling house, city water, two street car lines. Houses in good condition. Good reasons for selling. Price reasonable. Seven miles from Cleveland.

Key 456, care American Florist.

NOW READY.

New 1910 Edition

# The Trade Directory

FLORISTS, SEEDSMEN AND NURSERYMEN

— OF THE —

United States and Canada

Price: \$3.00, postpaid

AMERICAN FLORIST CO.  
324 Dearborn St., CHICAGO.



# OUR BEAUTIES

are away ahead of any others now in this market.

## ROSES

All from grafted plants, making stronger stems and larger buds.

## Fancy Carnations

Our Bassetts are the best red in this or any other market.

**Tulips, Valley, Daffodils, Easter Lilies, Asparagus Strings and Sprays, Smilax,**  
and the best **Common Ferns** in this market.

### BUY DIRECT OF THE GROWER

#### Price List

| American Beauties                   |       | Per doz.          |
|-------------------------------------|-------|-------------------|
| Extra long                          | ..... | \$3 00            |
| 24 to 30-inch                       | ..... | 2 50              |
| 20-inch                             | ..... | 2 00              |
| 15-inch                             | ..... | 1 50              |
| 12 inch                             | ..... | 1 00              |
| Pink and White Killarney and Brides |       |                   |
| Extra long and select, per 100      | ..... | \$8 00 to \$10 00 |
| Good lengths, per 100               | ..... | 6 00              |
| Medium lengths, per 100             | ..... | 5 00              |
| Short lengths                       | ..... | 3 00              |

| Richmonds, Maids and Perles    |       |                 |
|--------------------------------|-------|-----------------|
| Extra long and select, per 100 | ..... | \$8 00          |
| Good lengths, per 100          | ..... | 6 00            |
| Medium lengths, per 100        | ..... | \$ 4 00 to 5 00 |
| Short lengths, per 100         | ..... | 3 00            |

| Carnations                         |       | Per 100 |
|------------------------------------|-------|---------|
| Fancy extra long red O. P. Bassett | ..... | \$3 00  |
| Fancy white, good stock            | ..... | 4 00    |
| Fancy pink, good stock             | ..... | 3 00    |

|                                 |            |       |                |
|---------------------------------|------------|-------|----------------|
| Lily of the Valley              | per 100    | ..... | \$3 00         |
| Single Tulips, white and yellow | .....      |       | 3 00           |
| Sweet Peas                      | per 100    | ..... | \$0 75 to 1 00 |
| Asparagus Sprays                | per 1000   | ..... | 3 00 to 4 00   |
| Asparagus Strings               | per string | ..... | 50             |
| Sprengeri                       | per 100    | ..... | 2 00 to 3 00   |
| Smilax                          | per doz    | ..... | 2 00           |
| Adiantum                        | per 100    | ..... | 1 00           |
| Galax, bronze                   | per 1000   | ..... | 1 00           |
| Galax, green                    | per 1000   | ..... | 1 00           |
| Ferns                           | per 1000   | ..... | 2 50           |

#### Rooted Cuttings:

|                           | Per 100 | 1000    |                        | Per 1000 |
|---------------------------|---------|---------|------------------------|----------|
| CARNATIONS, O. P. Bassett | \$6 00  | \$50 00 | ROSES, White Killarney | \$50 00  |
| Winsor                    | 3 00    | 25 00   |                        |          |

# Bassett & Washburn

Store and Office: 76 Wabash Ave.,

CHICAGO

Greenhouses: HINSDALE, ILL

#### Chicago.

#### EASTER PROSPECTS GOOD.

The condition of the market the past week has been very difficult to describe. One day wholesalers were running around picking up stock to fill orders, the next their growers were loading them up with stock that had evidently been cut several days and held. Some growers, apparently, will never learn the happy medium between holding a day's cut in hand and holding a week's, putting the commission men to all kinds of inconvenience to look for stock and then dumping old open roses and stale carnations in quantities that can not be handled. As regards the supply of flowers it will be much as we anticipated in these columns. Roses are in good cut, plentiful and of excellent quality as we supposed they would be, but carnations, and especially white, are on the short side, several growers who have been in full crop reporting a scarcity. We may, of course, look for this kind of report before any holiday but, as outlined some time ago, the roses had a good rest while the carnations were flowering and just now it is the turn of the roses. The number of short and undeveloped lilies seen around the market indicates if not a shortage, at least no glut, and there will be few good lilies left to sell on Saturday night. Bulbous stock is very plentiful, the price of the forced article having been forced down by the large amount of outdoor narcissus coming in from Virginia, southern Illinois and other points. While the quality of this is not, of course, so good as that of the forced stock it is fairly good and answers many purposes, consequently customers will take it rather than pay the higher price for forced stock. As to the East-

ter prospects, they certainly never looked better. City retailers have bought forward with more spirit than usual as their customers have done the same to them and sheaves of orders from out-of-town points have come in to the wholesalers in advance. Although the weather is of a kind to soften the stock, one hopes for its continuance as it will certainly increase the volume of transient trade. Outside the leading lines of stock there is a great variety of small flowers that are always useful at this time. Sweet peas are very variable in quality. There are some good ones, but a far larger number are short and poor. White daisies are superb, fine, pure flowers of excellent substance. Marigolds, mignonette, fuchsias, forget-me-nots, pansies and a host of others are in full supply and mostly of good quality. Boxwood is plentiful but all the better kinds of green, such as smilax, Asparagus plumosus and Sprengeri are scarce. Ferns are high and not of the best quality in all cases. Violets are about equal to the demand but soft in many cases, while gardenias and orchids meet with no very spirited demand. American Beauty roses of high grade are scarce, but there is plenty of the small and medium lengths.

#### NOTES.

At Peter Reinberg's we noticed some of the finest Beauties on the market, long stems with good foliage and excellent flowers. There is also plenty of medium and short grades. Roses of all kinds are here in large quantities and good, such varieties as Uncle John, Ivory and Sunrise, which are not available everywhere, being well represented here by fine stock of magnificent size and substance. Carnations are good and plentiful, indeed all stock is in first class condition.

## Wietor Bros.,

Wholesale Growers of

..CUT FLOWERS..

51 Wabash Avenue,

CHICAGO.

### Price List

| American Beauties,      |       | Per doz            |
|-------------------------|-------|--------------------|
| Extra long              | ..... | \$ 5 00            |
| 36-inch stems           | ..... | 4 00               |
| 30-inch stems           | ..... | 3 00               |
| 24-inch stems           | ..... | 2 50               |
| 20-inch stems           | ..... | 2 00               |
| 15-inch stems           | ..... | 1 50               |
| 12 inch stems           | ..... | 1 25               |
| Short                   | ..... | 1 00               |
|                         |       | Per 100            |
| Killarney, extra        | ..... | \$ 8 00 to \$10 00 |
| " medium                | ..... | 5 00 to 6 00       |
| " good                  | ..... | 5 00 to 6 00       |
| Richmond, extra         | ..... | 10 00              |
| " fancy                 | ..... | 8 00               |
| " good                  | ..... | 5 00 to 6 00       |
| Mrs. Jardine, extra     | ..... | 10 00 to 12 00     |
| " fancy                 | ..... | 8 00               |
| " good                  | ..... | 6 00               |
| White Killarney, fancy  | ..... | 10 00 to 12 00     |
| Brides and Maids, fancy | ..... | 6 00 to 8 00       |
| " good                  | ..... | 4 00 to 5 00       |
| Uncle John, fancy       | ..... | 8 00 to 10 00      |
| " good                  | ..... | 5 00 to 6 00       |
| Perle, fancy            | ..... | 10 cents           |

**ROSES, our selection..... \$4 00**

|                          |                 |              |
|--------------------------|-----------------|--------------|
| Carnations, extra fancy  | .....           | 3 00 to 5 00 |
| Easter Lilies, short     | \$2 00 per doz. |              |
| Valley                   | .....           | 3 00 to 4 00 |
| Asparagus Plumosus,      |                 |              |
| extra quality, per bunch | .....           | 75c          |
| Fancy Ferns, per 1000    | .....           | \$2 00       |

All other stock at lowest market rates.

Prices subject to change without notice.  
No charge for packing.



# Easter Prices

We have never been so well prepared for what we believe will be the **Busiest Easter on Record**. The whole of our vast greenhouse plant is in splendid condition and crops will be at their best for Easter.

## CARNATIONS

Our immense new carnation range is producing magnificent stock in great abundance. The flowers were never so good or plentiful and we can truthfully say there are **no carnations in the world to beat ours**.

## AM. BEAUTIES

Our Beauty crop is at its height and we shall have large supplies in all grades for **Easter**.

## ROSES

**Not a few but all the best varieties.** The crops are large, the quality absolutely perfect. There are no better flowers coming to this or any other market.

Send Us Your Orders and they Will be Taken Care of.

### AMERICAN BEAUTIES

|                       | Per doz.           |
|-----------------------|--------------------|
| Extra long stems..... | \$5 00             |
| 30 inch stems.....    | 4 00               |
| 24 inch stems.....    | 3 00               |
| 20 inch stems.....    | 2 50               |
| 15 inch stems.....    | 2 00               |
| 12 inch stems.....    | 1 50               |
| Short stems.....      | 1 00               |
|                       | Per 100            |
| Richmond,.....        | \$ 5 00 to \$12 00 |
| Killarney,.....       | 5 00 to 12 00      |
| My Maryland.....      | 5 00 to 12 00      |
| Chatenay.....         | 5 00 to 10 00      |
| Mrs. Field,.....      | 5 00 to 10 00      |

|                           |                    |
|---------------------------|--------------------|
| Uncle John,.....          | \$ 5 00 to \$10 00 |
| Bride,.....               | 5 00 to 10 00      |
| Bridesmaid,.....          | 5 00 to 10 00      |
| Ivory,.....               | 5 00 to 10 00      |
| Sunrise,.....             | 5 00 to 8 00       |
| Perle.....                | 5 00 to 8 00       |
| Roses, our selection..... | 4 00               |
| Carnations.....           | 3 00 to 4 00       |
| Fancy.....                | 5 00               |
| Harrisli.....             | 12 50 to 15 00     |
| Valley.....               | 3 00 to 4 00       |
| Violets.....              | 75 to 1 00         |
| Adiantum.....             | 1 00               |
| Asparagus, per bunch..... | 75                 |
| Ferns, per 1000.....      | 2 50               |

2,000,000 FEET OF MODERN GLASS.

# Peter Reinberg

35 Randolph St., CHICAGO.

Harry Rowe had the decorations at the wedding of Miss Wilkowski, daughter of a high official in the First National bank, to Mr. Pick of the Albert Pick Co., March 21. The ceremony took place under a canopy of wild smilax, palms and Easter lilies. The bridal bouquet was a shower of valley and white roses while the bridesmaids carried baskets of pink sweet peas. The tables in the banquet hall were arranged to seat 150 guests and were done in Killarney roses. The ballroom was in palms and southern smilax. Mr. Rowe reports business as improving right along and Easter prospects good.

A Chicago corporation, under the name of Lord & Burnham Co., has been formed with Geo. F. Sykes, F. S. Munro and Geo. Sykes as incorporators. The company is, of course, con-

nected with the New York firm of the same name but has been incorporated to obtain a local legal standing and for other conveniences. The capital stock is \$50,000 and the company is formed to deal in greenhouses, fixtures, horticultural implements, etc. Ground has been secured at Des-plaines for a model factory, particulars of which are given in our "Allied Trades" department, page 468.

Kyle & Foerster are showing large quantities of excellent Easter lilies both in pots and cut, while ferns in pots are a leading line. This go-ahead firm is certainly handling the goods.

At Winterson's Seed Store counter trade in seeds, bulbs and plants is being helped considerably by the fine weather and a busy week is recorded.

E. F. Winterson has been showing a very fine line of Easter plants, such as rambler roses, azaleas, lilies, li-

lacs, hydrangeas and others all week and a big business is reported.

Vaughan & Sperry are handling southern bulb stock but the quality can not compare with the forced daffodils they are showing. These are certainly fine in every way, so good that they clean up regularly despite the lower price at which they are offering the outdoor stock. Good sweet peas, roses in all the principal varieties and Easter plants are among the showings here this week. Advance orders for Easter foreshadow a record breaking holiday.

The Easter show of flowering plants is now open at the Garfield park conservatory and will continue until April 1. The large house is looking well and the annexes devoted to various flowering and foliage plants are also in the best of order and gay with color. There are many orchids in



# Plenty of Stock for All Occasions

## ROSES No Better Stock in the West.

Specially strong on Jardine, Maryland, Killarney, Maids, Richmond, Fields, Brides, Kaiserin.

**Violets** Home grown, single. **Greens** Of all kinds.

## Choice Carnations

Our strong point. We lead them all. Fancy Red, White and Pink.

**Bulb Stock** All kinds in large supply.

**We Satisfy Others. We Can Satisfy You.**

*Special attention given to out-of-town orders.*

# J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations  
A Specialty....

WHOLESALE  
GROWER of

# CUT FLOWERS

bloom and the fernery is a pleasant retreat. Gardener John Sells is certainly to be congratulated on having such a fine show with all the difficulties he has had to meet.

Edward Ladiges, who was up till a short time ago employed in John Mangel's store and since the opening of Thos. J. McNally's store has been employed there, died on Saturday at the County hospital after a very brief illness from pneumonia. Ed. was a good decorator and designer and much liked. His funeral work was marked by strong individuality and was always striking and good. The body was taken to his home in New York for interment.

Poehlmann Bros. Co. is strong on all classes of roses, the quality of the stock now being sent in by Adolph Poehlmann from Plant B at Morton Grove being remarkably fine. The immense stock of Easter lilies is going down but there will be plenty for all comers and the quality is excellent. John Poehlmann prides himself, and with just cause, on being able to fill any kind of order of any size.

The sweet peas H. C. Blewitt is showing in the Flower Growers' Market are among the best coming to the city. Mr. Blewitt is going to build a new greenhouse as an addition to his plant at Desplaines. It is to be 27x150 feet and Geo. Garland's newest improved truss construction will be used. Probably this will be the first greenhouse of the new style.

Geo. Sykes, of the Lord & Burnham Co., will address the Lake Forest Horticultural Society, March 24, on greenhouse construction, especially in regard to aspects for various purposes and for securing the full benefit of the rays of the sun. Mr. Sykes' talk will be illustrated by explanatory diagrams prepared by himself and should prove most interesting and instructive.

At the J. A. Budlong store roses of excellent quality have been arriving all the week and carnations are in sufficient quantity to meet all demands, white being the shortest. Out-of-town trade has been good during the week, also local business and the advance orders for Easter are indicative of a good demand.

As an instance of how quickly good fresh stock cleans up the tables at Wietor Bros.' store may be mentioned. There is great activity when the stock arrives but later in the day

## "The Busiest House in Chicago"

**W**IRE us for what you want and we will take care of you.

# J. B. DEAMUD CO.

CHICAGO.

ice boxes and tables look bare and the amount of stock moved is remarkable.

Mrs. Alice Hastings, mother of Mrs. Edwin A. Kanst, died March 23 at Minneapolis. Mrs. Hastings was well known in Chicago, where she often visited, and had a large circle of friends by whom she will be sincerely mourned.

Beauties, fine roses of all kinds and Easter lilies are coming in quantity to the store of Bassett & Washburn. This noted firm has once more hit the Easter market just right and a very big shipping trade to all points is assured.

August Lange, after long and careful deliberation, says the horse is behind the auto in every way and has accordingly ordered two new electric machines of the latest model, one for the store and the other for home use.

J. B. Deamud Co. is receiving New York sweet peas of good quality and they arrive in fine condition. The white carnations that this house is receiving from Hunt Bros. are also especially good.

E. C. Amling had a magnificent stock of all lines for Easter. Mr. Amling does not care to prophesy but we think he will be disappointed with anything less than a record breaker this Easter.

A fire occurred March 21 in the Flower Growers' Market building on the fifth floor, but beyond a little damage by water no harm was done to the stall holders.

Wm. A. Engbrecht, of West Twenty-first street, will build a new store and greenhouse, one story and basement,

on Twenty-first place in the near future.

C. W. McKellar is handling large quantities of southern bulb stock such as Princeps, Golden Spur and other daffodils, 75,000 flowers arriving one day.

A meeting of the Horticultural Society executive committee will be held at the Union restaurant Thursday, March 24, at 6 p. m., for the furtherance of fall flower show plans.

Vaughan's Nurseries have leased 80 acres additional at Western Springs, adjoining the present property, giving a total nursery area of 150 acres.

A. J. Simmons of Sixty-third street and Yale avenue has opened a fine new store and conservatory, just in time for Easter.

Zech & Mann's leaders this week are excellent Bride, White Killarney and Richmond roses, callas and elegant narcissi.

John Kruchten reports a busy week. His rose and carnation stock is excellent and boxwood is still a leading line.

Sinner Bros.' roses are in excellent shape now. Carnations are not quite so plentiful but the quality is first rate.

C. A. Schnell, late of the Donaldson store in Minneapolis, has returned to his old position with John Mangel.

Hoerber Bros. commence work on their new addition to the greenhouse plant at Desplaines this week.

H. N. Bruns is investigating automobiles.

Visitors: R. A. Smythe, Benton Harbor, Mich.; W. H. Troyer, Elkhart, Ind.



# Poehlmann Bros. Co.

Office and Salesroom, 33-35-37 Randolph St.

Long Distance Phone  
Randolph 35.

CHICAGO, ILL.

## EASTER

Make up your orders and send them to us. We will send you good fresh flowers and not dissappoint you. If you run short the last days, wire us. Night letter telegram of 50 words at former night rate price of 10 words.

### Easter Lilies in Large Quaatity---Cut or in Pots,

|                       |                                         |         |
|-----------------------|-----------------------------------------|---------|
| <b>Easter Lilies,</b> | Pot plants, per 100 blooms.....         | \$15 00 |
|                       | Cut, our selection, per 100 blooms..... | 12 50   |
|                       | Cut, selected, per 100 blooms.....      | 15 00   |

### EASTER PRICE LIST

Subject to change without notice.

|                                                |                                 |
|------------------------------------------------|---------------------------------|
| <b>American Beauties,</b>                      | Per doz.                        |
| Extra long .....                               | \$6 00                          |
| 30 inch .....                                  | 4 00                            |
| 24-inch .....                                  | 3 00                            |
| 20-inch .....                                  | 2 50                            |
| 18-inch .....                                  | 2 00                            |
| 15-inch .....                                  | 1 50                            |
| Short.....                                     | per 100, \$4 00, \$6 00, \$8 00 |
| <b>Richmond, My Maryland, White Killarney,</b> |                                 |
| <b>Killarney,</b>                              | Per 100                         |
| Fancy.....                                     | \$12 00                         |
| Long .....                                     | 10 00                           |
| Medium .....                                   | \$5 00 to 8 00                  |
| Short.....                                     | 4 00                            |
| <b>Maid and Bride select, long</b>             | 10 00                           |
| Medium.....                                    | 6 00 to 8 00                    |

|                                          |                |       |
|------------------------------------------|----------------|-------|
| Short.....                               | Per 100        | 4 00  |
| <b>Perle, select, long.....</b>          |                | 8 00  |
| Medium .....                             |                | 6 00  |
| Short Roses, our selection, per 1000     |                | 40 00 |
| Extra Special Roses charged accordingly. |                |       |
| <b>Carnations,</b>                       | Per 100        |       |
| Fancy Victory, Perfection                |                | 6 00  |
| and Enchantress.....                     |                |       |
| Lawson, Winsor, Enchantress              |                |       |
| and May Variegated Red.....              | \$4 00 to 5 00 |       |
| Split, assorted colors .....             |                | 3 00  |
| <b>Valley,</b>                           | 3 00 to 4 00   |       |
| <b>Violets,</b>                          | 75 to 1 00     |       |
| <b>Jonquils and Daffodils,</b>           | 3 00 to 4 00   |       |
| <b>Tulips,</b>                           | 3 00 to 4 00   |       |
| <b>Plumosus Sprays &amp; Sprengeri.</b>  | 3 00 to 5 00   |       |

|                            |                       |            |       |
|----------------------------|-----------------------|------------|-------|
| <b>Smilax,</b>             | per doz., \$2 00      | Per 100    | 15 00 |
| <b>Galax,</b>              | per 1000, 1 25        |            |       |
| <b>Ferns,</b>              | per 1000, 2 00        |            |       |
| <b>Adiantum,</b>           |                       | 1 00       |       |
| <b>Adiantum Croweanum,</b> |                       | 1 50       |       |
| <b>Sweet Peas,</b>         |                       | 75 to 1 00 |       |
| <b>Easter Lilies,</b>      | per doz., \$2 00      |            |       |
| <b>Callas,</b>             |                       | 15 00      |       |
| <b>Orchids, Cattleyas,</b> | per doz. 4 00 to 6 00 |            |       |
| <b>Boxwood,</b>            | per bunch             | 25         |       |
|                            | per case 50-lbs       | 7 50       |       |
| <b>Leucothoe Leaves,</b>   | per 100               | 1 00       |       |
|                            | per 10.0              | 7 50       |       |

## POEHLMANN'S FANCY VALLEY EXTRA FINE EASTER LILIES

We make these a specialty.  
Can supply them all the year.  
Once tried you will have no other.

### St. Louis.

#### LILY SHORTAGE PREDICTED.

The past week has been a busy one. There was quite a demand for white carnations St. Patrick's day, at top prices. Bright weather has had the effect of bringing on the crop and a good supply is expected for Easter. Carnations from the outlook will hold up well. Violets are daily getting smaller and the supply less. Many of the growers report they will not hold out till Easter. Sweet peas are coming in and going nicely, the shortage in violets assisting materially. Bulbous stock is coming on well. Lilies are expected to be short. It is thought there will be enough roses to go around.

#### NOTES.

The Florists' Protective Society, now known as the Retail Florists' Association, held its second meeting last Wednesday at the Washington hotel. Permanent officers were elected as follows: C. C. Sanders, president; Theodore Miller, vice-president; F. C. Weber, Jr., secretary; Robert J. Windler, treasurer. Sixty-five dollars were at once subscribed by members present and letters were received from others willing to support the society. The retailers seem to think that their rights as retailers have been in some way interfered with by wholesalers and they seek satisfaction. The association will also take up the credit system and in other ways endeavor to uphold the business.

A. Jablonsky, of Olivette, has a splendid crop of 2,500 lily plants just right for the Easter market, also a fine crop of carnations which are handled by H. G. Berning.

Alexander P. Geranios, manager at F. H. Weber's, took out papers of citizenship last week. It is rumored

that he will take out other equally important papers shortly.

Young's Easter display of plants is very fine, lilacs, azaleas, lilies, in fact everything seasonable. A special display of roses is made.

W. J. Edwards and Joe Scheidegger are now bringing in some of the finest and longest sweet peas seen in this market.

A meeting of the executive committee of the Horticultural Society was held last Tuesday at the Missouri athletic club.

Grimm & Gorly have taken the store next door for their Easter plant trade. They are hard up for room at that time.

A considerable quantity of flowers were used at the funeral of Ex-Mayor Ziegenheim March 20.

The H. J. Weber & Sons Nursery Co. has a fine stock of rhododendrons for Easter trade.

W. F.

### Minneapolis.

Miss Whitted opened her new store at Tenth street and Nicolett avenue March 21. She will cater to the highest class of trade for which her location is eminently suitable.

The Radisson Shop Co. opened its new store March 22 with a sale of plants. The ice box and fittings not being complete, cut flowers can not be handled for a few days.

Swanson of Nicolett avenue has a magnificent Easter window, the best of stock of all kinds beautifully arranged.

Ralph Latham, in Tenth street, is doing a big business in plants, of which he has an immense stock.

Oscar Carlson's only regret is that he has not more plants to sell. He could have sold many more had they been forthcoming.

S.

### Cleveland.

#### A BUSY WEEK.

The past week has been a busy one. Nearly all retailers report a good St. Patrick's day trade in cut flowers and table decorations. The call for flowers for Palm Sunday was exceptionally good up to the Sunday morning when rain put a damper on everything. The afternoon, however, turned up bright and warm, the church doings using considerable flowers, mostly in white, the demand for white roses and carnations far exceeding the supply. Carnations are bringing a slightly better price and cleaned up quickly. Considerable stock went to the street fakirs, who did a good business, the bright sunshine bringing out many people. Easter lilies have not been over-plentiful the past week, and indications are that they will be a little short for Easter, particularly in pots. Sweet peas and violets are selling well. Valley has been a little slow. String smilax is in good demand. Callas are selling fairly well. Calendula, daisies, freesias and lupins sell on sight.

#### NOTES.

The firm of Smith & Feters has been incorporated into a \$20,000 stock company, consisting of Frank Monroe Smith, William S. Kruzen, Louis A. Koons, Jr., Timothy Smith and Clarence A. Meyers. All of the stockholders except Frank M. Smith were old employees of Smith & Feters. This firm will be known as the Smith & Feters Co., and continue at the old stand.

A very pretty and attractive east end window the past week was that of Westman & Getz, portraying a woodland scene in spring. Pussy willow, birch bark stumps and single violets in pans were arranged with



# DO NOT HESITATE

To Order at the Last Minute. There will be plenty of stock for all.

## See Our Price List

In last week's issue of this paper. Not only will you find our prices right but the high quality of the stock we send out will make and keep you customers. Every order gets our personal attention and we are confident we can give you every satisfaction. We are strong on

**Roses, Carnations, Bulb Stock, Lilies, in pots or cut)  
Callas and all Spring Stock.**

If anyone has it in this Market WE HAVE.

# VAUGHAN & SPERRY,

Long Distance Phone,  
Central 2571.

52-54 Wabash Ave., CHICAGO.

the artistic skill for which this firm is noted. It was an appropriate display and attracted considerable attention.

The wholesale florists won the last of the series of five games with the retailers, giving the wholesalers three out of five. Score follows.

| Wholesalers. |      |     |      | Retailers.  |      |     |      |
|--------------|------|-----|------|-------------|------|-----|------|
|              | 1st. | 2d. | 3rd. |             | 1st. | 2d. | 3rd. |
| Smith        | 130  | 107 | 111  | Kruzen      | 144  | 118 | 179  |
| G. Bates.    | 144  | 183 | 145  | De Srevart. | 172  | 123 | 166  |
| Guy Bates.   | 151  | 151 | 119  | Crabb       | 148  | 142 | 138  |
| H. Bates.    | 131  | 126 | 161  | Knoble      | 124  | 144 | 99   |
| Friedly      | 173  | 153 | 198  | Russell     | 132  | 143 | 139  |
|              | 729  | 725 | 734  |             | 720  | 670 | 721  |

C. M. Wagner's mother died Saturday noon of old age, being about 80 years old; she has been sick for some time. The funeral took place on Monday from the home of her son, East Sixty-sixth street. Services were held at the Schifflin-Christi church.

C. M. Wagner took Geo. W. Smith and Charlie Gilson out to Mentor to Merkel's place one day this week and they report the place looks fine and they were treated royally, Wagner's automobile hitting only the high places on their return.

The past week saw a number of new store openings which helped to clean up considerable stock, the Story & Clark Piano Co. giving roses and carnations to all their friends.

The Jones-Russell Co. has just received a new van and same is one to be proud of. Together with their uniformed delivery men it makes an excellent showing.

John Leuschner, Rocky River, has opened a retail store at 14704 Detroit avenue in connection with his greenhouses and reports a good business.

Kirchner's on Quincy street have added an automobile to their equipment. C. B.

EUGENE, ORE.—H. A. Newton is erecting two large greenhouses in South Williamette street, and will also erect a violet house.

HUNTINGTON, N. Y.—There was a very fine exhibition of carnations at the Trade School building March 8, under the auspices of the Horticultural and Agricultural Society. Most of the flowers came from the greenhouses of August Heckscher, W. J. Matheson, H. T. and A. H. Funnell and the Huntington Nursery Co. Beside carnations there were cinerarias, cyclamens, Easter lilies and violets.

### Pittsburg.

#### PROSPECTS FOR EASTER GOOD.

The market this last week has been pretty good. St. Patrick's day created a heavy demand for white carnations, consequently a number of orders had to be cut down, as white were a little off and yet it is reported a number of retailers carried over a good many dyed ones; the demand for green ones was not as strong as expected. The wholesalers are cleaning up daily on almost everything. The prospects for Easter business looks the "best yet" as a great number of advance orders are coming in. People not holding off until the last minute leads to the belief that business will be good. Stock never was better. American Beauties are selling at stiff prices. Smilax has been very scarce.

#### NOTES.

J. W. Dudley, Parkersburg, W. Va., has been in town disposing of his plants, and states that he has cleaned his greenhouses out entirely, which means that he has been going some.

Ernest Zieger is going to take a trip to Germany. Mr. Zieger is going to spend this vacation in the way of a rest, and expects to be gone about four months.

T. F. Beckert, Neville Isle, states he will have a fine lot of Spanish Iris in blue, yellow and white. This is one of Mr. Beckert's specialties.

The department stores are getting into the plant business—some on a very large scale—carrying all the varieties and slicing the prices.

T. Malbranc, Johnstown, has been laid up with grip but is around again and reports business very good.

Miss A. L. Wells, Steubenville, O., who is touring through the west, will spend Easter in California.

Samuel McClements of the Randolph McClements Co., is back from the east.

Gilbert Weaklin of the Randolph McClements Co. is reported ill.

John Roehrick, Sharon, has bought out Chas. Heinz of that place.

Peter Demas is back from the east.

Visitors: Miss McDowell of A. L. Wells Co., Steubenville, O.; Mr. Tarker, Walton Floral Co., Rice's Landing; E. Bell, Bell Floral Co., Franklin; E. J. Fancourt, Pennock & Meehan Co., Philadelphia. J.

### Rochester, N. Y.

The annual banquet of the chamber of commerce was held on March 18, and President Taft was the guest of honor for the occasion. Salter Bros. had the contract for the decorations. The general scheme in color was pink and green. The whole area beneath the ceiling and over the main floor, in front of the gallery, was covered with a lattice screen about 10 feet from the ceiling. This of course was built in sections on the floor and raised up to its position by pulley blocks. The lattice work was then covered with smilax, from which were suspended drooping racemes of lavender and pink wistarias, which were of course artificial. The front of the galleries and the walls and pillars throughout the auditorium were treated in the same way. The front of the proscenium was banked solidly with palms resting on a base of aspidistras. Surmounting the palms was a solid bank of Tausendschon and Dorothy Perkins roses in pots, the pots of course perfectly concealed. The back of the proscenium was treated in the same way. The banquet table at which the president sat, with other speakers and officers of the chamber of commerce, occupied the center of the stage. The tables were all decorated with large bouquets of pink Killarney roses. About 1,000 men sat down to the banquet. Ladies were admitted to the galleries and about 15,000 ladies were present, and as they were all dressed in elaborate toilets the whole effect, with the decorations was one of remarkable brilliancy. Salter Bros. deserve great credit for their skillful treatment of the decorations.

JOHN DUNBAR.

LEWISTON, ME.—Ernst Saunders will erect another greenhouse 200 feet long on his land at Main street this spring.

PHILADELPHIA, PA.—Window plants, azaleas, cinerarias, hyacinths and cut roses in great variety were exhibited March 14 at a meeting of the Germantown Horticultural Society, held in the lecture room of the Germantown Y. M. C. A. Short talks on the plants and flowers displayed were given by President Heyl, Secretary George Redles, James G. Scott and Edwin C. Jellett.



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FLORISTS' SUPPLIES TOO.

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BEST EQUIPPED,  
MOST CENTRALLY LOCATED  
WHOLESALE  
CUT FLOWER HOUSE  
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A Specialty

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Wire-Work and Florists'  
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All telegraph and telephone orders given  
prompt attention.

51 Wabash Ave.. CHICAGO

### Wholesale Flower Markets

| CHICAGO, Mar. 23.                |                    |
|----------------------------------|--------------------|
| Roses, Beauty, extra select ...  | 6 00               |
| " " 36 in .....                  | 5 00               |
| " " 30 in .....                  | 4 00               |
| " " 18 in .....                  | 3 50               |
| " " 15 in .....                  | 1 50               |
| " " Short .....                  | 1 00               |
| Per 100                          |                    |
| " Bride, Bridesmaid, select..    | 8 00@12 00         |
| " " medium .....                 | 4 00@ 6 00         |
| " Killarney, select .....        | 6 00@12 00         |
| " " medium and short .....       | 4 00               |
| " Mrs. Jardine .....             | 4 00@12 00         |
| " Mrs. Potter Palmer .....       | 8 00               |
| " My Maryland .....              | 8 00               |
| " Perle .....                    | 7 00               |
| " Richmond .....                 | 4 00@12 00         |
| " Uncle John .....               | 6 00               |
| " White Killarney, select ....   | 8 00@10 00         |
| " " medium .....                 | 4 00@ 6 00         |
| Carnations, select fancy .....   | 3 00@ 5 00         |
| " common and splits .....        | 1 00@ 2 00         |
| Callas .....                     | 1 50               |
| Hyacinths, Roman .....           | 2 00@ 2 50         |
| Lilium Harrisii .....            | 2 00               |
| Lily of the Valley .....         | 3 00@ 4 00         |
| Mignonette .....                 | 3 00@ 8 00         |
| Narcissus .....                  | 2 00@ 3 00         |
| Orchids .....                    | 6 00@ 9 00         |
| Sweet Peas .....                 | 40@ 1 00           |
| Violets .....                    | 35@ 50             |
| Adiantum .....                   | 1 50               |
| Asparagus Plum, strings, each .. | 60@ 75             |
| " " sprays .....                 | 3 00@ 4 00         |
| " Sprengerii .....               | 3 00@ 4 00         |
| Boxwood, per bunch .....         | 35¢ per case, 7 50 |
| Ferns .....                      | 2 00               |
| Smilax .....                     | 1 50               |

### Zech & Mann

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Room 218, 51 Wabash Ave., CHICAGO

Telephone, Central 3284.

### GEO. REINBERG,

Wholesale  
Grower of Cut Flowers

CHOICE AMERICAN BEAUTIES.

We will take care of your orders at reason-  
able prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

SEDALIA, Mo.—The Archias Floral Co. filed articles of incorporation March 16 with a capital stock of \$5,000. The officers of the company are: L. H. Archias, president; H. J. Potomkin, vice-president; M. T. Slane, secretary.

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45-47-49 Wabash Ave.

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Cut Flowers, Plants,  
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Everything You Need.

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L. D. Phone, Central 466.

We will have anything in the line of  
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that you may want if anybody has it, at  
Chicago market prices on day of shipment.

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## American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

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WELCH BROTHERS, Devonshire St. Boston, Mass.

## Grafted and Own Root Rose Plants

Killarney, Richmond, My Maryland, White Killarney,

(Waban strain), Kaiserin, Bride and Bridesmaid

— Send for Prices —

W. H. Elliott, Brighton, Mass.

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Cut Flowers received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities. Mention the American Florist when writing

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## Weiland & Olinger

128 E. Third St., CINCINNATI, O.

Wholesale Growers and Shippers of Cut Flowers.

Philadelphia.

PLENTY OF EASTER LILIES.

The Easter rush is upon us and all is hustle and hurry. Palm Sunday was a lovely day but there was not much church for the craft. Some had their places in apple pie order as was the case at Harris' where not a stroke of work was done, all the employees being dressed in their best and standing guard in the various houses, to keep the crowds moving that now make an annual visit to admire the wealth of blooming plants. At midnight on Sunday the entire force pitches in and packs orders for out-of-town and have them ready for the early call of the express wagons. This has been the custom for years and will continue under the new proprietors. It was thought Easter lilies would be very scarce but the market appears to be softening a little at this writing; 12 cents per bud and flower has been the pot price. Carnations are advancing as is usual and will sell at from \$4 to \$6 per 100; other stock will remain at much the same prices. This city is famous as a plant center and about all the prominent florists within a radius of 100 miles or more have paid visits to this city and much of the cream of the stock is shipped out of town.

### NOTES.

At the gardeners' dinner last week Fred Kelsey made the speech of the evening. Robt. Craig had said that in England where gardening had reached its greatest perfection the gardener was the chief man of the estate. Mr. Kelsey, recounting his large experience with the owners of large estates in this country, said that many of them placed great confidence in the men in charge and those were most successful who had given thought and studied up the requirements and had a general knowledge, that it was possible for all bright men to acquire. He pictured in glowing colors the future of the gardener in the immense number of beautiful places that would soon equal in magnificence those in

## HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

### Wholesale Flower Markets

| BOSTON, Mar. 23.      |        | Per 100 |
|-----------------------|--------|---------|
| Roses, Beauty, best   | 35 00@ | 60 00   |
| " " medium            | 25 00@ | 30 00   |
| " " culls             | 5 00@  | 10 00   |
| " " Bride, Bridesmaid | 3 00@  | 6 00    |
| " " Extra             | 6 00@  | 10 00   |
| Carnations            | 2 00   |         |
| " " selected          | 4 00@  | 8 00    |
| Callas                | 8 00@  | 16 00   |
| Cattleyas             | 50 00@ | 75 00   |
| Lilium Longiflorum    | 10 00@ | 12 00   |
| Lily of the Valley    | 2 00@  | 4 00    |
| Smilax                | 12 00@ | 16 00   |

| ST. LOUIS, Mar. 23.       |        |       |
|---------------------------|--------|-------|
| Roses, Beauty, long stems | 25 00@ | 35 00 |
| " " medium stems          | 15 00@ | 20 00 |
| " " short stems           | 4 00@  | 6 00  |
| " " Bride, Bridesmaid     | 4 00@  | 8 00  |
| " " Chateau               | 5 00@  | 8 00  |
| " " Killarney             | 5 00@  | 8 00  |
| " " My Maryland           | 5 00@  | 6 00  |
| " " Richmond              | 5 00@  | 8 00  |
| Carnations                | 2 00@  | 2 50  |
| " " fancy                 | 3 00@  | 4 00  |
| Callas                    |        | 12 00 |
| Easter Lilies             | 12 50@ | 15 00 |
| Jonquils                  | 1 50@  | 2 00  |
| Narcissus                 | 2 00@  | 2 50  |
| Sweet Peas                | 25@    | 60    |
| Adiantum                  |        | 1 50  |
| Asparagus Sprengeri       | 2 00@  | 3 00  |
| Smilax                    | 12 50@ | 15 00 |

| CINCINNATI, Mar. 23.          |        |       |
|-------------------------------|--------|-------|
| Roses, Beauty                 | 2 00@  | 6 00  |
| " " Bride, Bridesmaid         | 3 00@  | 8 00  |
| " " Golden Gate               | 3 00@  | 8 00  |
| " " Killarney                 | 4 00@  | 10 00 |
| " " Richmond                  | 4 00@  | 10 00 |
| Carnations                    | 2 00@  | 3 00  |
| Callas                        |        | 12 50 |
| Daisies                       |        | 50    |
| Hyacinths, Miniature Dutch    |        | 4 00  |
| " " Roman                     |        | 3 00  |
| Lilium Longiflorum            |        | 15 00 |
| Lily of the Valley            |        | 4 00  |
| Narcissus, Paper White        |        | 3 00  |
| Sweet Peas                    | 50@    | 75    |
| Tulips                        | 3 00@  | 4 00  |
| Violets, single and double    | 1 00@  | 1 50  |
| Adiantum                      | 1 00@  | 1 50  |
| Asparagus Sprengeri, per bch. | 25     |       |
| Smilax                        | 12 50@ | 20 00 |

| MILWAUKEE, Mar. 23.     |       |       |
|-------------------------|-------|-------|
| Roses, Beauty           | 1 50@ | 5 00  |
| " " Bride, Bridesmaid   | 4 00@ | 10 00 |
| " " Killarney           | 4 00@ | 12 00 |
| " " Liberty, Chateau    | 2 00@ | 8 00  |
| " " Perle               | 4 00@ | 10 00 |
| " " Richmond            | 4 00@ | 12 00 |
| Carnations              | 2 00@ | 6 00  |
| Freerias                |       | 3 00  |
| Lilium Giganteum        |       | 15 00 |
| " " Longiflorum         |       | 15 00 |
| Lily of the Valley      | 3 00@ | 4 00  |
| Narcissus, Paper White  | 2 00@ | 3 00  |
| " " Trumpet Major       |       | 3 00  |
| " " Von Sion            | 3 00@ | 4 00  |
| Sweet Peas              | 50@   | 1 50  |
| Tulips                  |       | 3 00  |
| Violets                 | 75@   | 1 00  |
| Adiantum                |       | 1 50  |
| Asparagus               | 50@   | 60    |
| " " Plumosus, per bunch |       | 50    |
| " " Sprengeri           |       | 35    |
| Ferns, Fancy            | 2 50  |       |

the old world. He said that money would be spent without question when the proper results were shown and it behooved the present and coming generation of gardeners to study and leave no stone unturned in their search for the knowledge necessary to enable them to grasp the opportunities when they were presented.

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Both L. D. Phones.  
Supplies and Everything in Season always on hand

Floral Philadelphians are a trifle chesty just at this time; those of us who had the good fortune to attend the National Rose show in New York last week and saw the way their brethren carried off the prizes, all the firsts for entries in which they competed, had good cause to pat each other on the back and say "We are the people." John Walsh Young, Myers & Santman, Robert Scott & Son, Adolph Farenwald, Teddy Towill, who was second on Richmonds with his magnificent vase of blooms only because his neighbor, Mr. Farenwald, had them just a shade better. Farenwald's Killarneys were superb blooms. Wm. Geiger of Oak Lane, and Robert Scott & Son. It was a clean sweep and the trade of the Quaker city has indeed cause to be proud of its growers. The two vases of Richmond entered by Messrs. Farenwald and Towill were the feature of the exhibition, such quality in red roses was never exhibited before.  
K.



# Roses

Our stock of Roses is hard to beat for quality. Our growers are in with heavy crop, and a large supply insures best selection. Our leaders are

PINK and WHITE KILLARNEY, MARYLAND.  
RICHMOND, KAISERIN.

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Blue Now  
Yellow—White Next Week.

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PITTSBURG.

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Wholesale Cut Flowers

Everything Seasonable

Headquarters for Ferns, Galax, Leucothoe and Wild Smilax, and carry a large supply of the best on hand at all times. We quote the following interesting prices on small or large quantities.



Ferns, fancy and daggers, \$1.25 per 1000  
Galax, green and bronze 65c per 1000.  
Leucothoe, green and bronze 65c per 100.



Wild Smilax, large cases, \$4.50 per case.

15 Diamond Square, PITTSBURG, PA.

#### Horticulture for Women.

Laura Blanchard Dawson, of Jamaica Plain, was the lecturer, March 5, 1910, before the Massachusetts Horticultural Society, speaking on "Horticulture as a Profession for Women." The stage was decorated with eight splendid specimens of Dendrobium nobile virginalis, from the conservatories of Dr. C. G. Weld. There was a large attendance, particularly of ladies, and Miss Dawson's talk was listened to with close interest. Miss Dawson dwelt upon the growing importance of women's work in horticulture. One of the earliest women gardeners in this country was a Miss Lamballe, of South Carolina, in the middle of the seventeenth century. Abigail Adams was a successful gardener. Many women have written books on horticulture. Previous to 1880 there were six women members of the Massachusetts Horticultural Society; now there are many.

There are phases of horticultural work for which women are particularly fitted, said Miss Dawson. In Germany there are five horticultural schools, conducted by women. The first of these was started about 20 years ago. The best paid work in German horticulture is teaching gardening in the sanatoriums, where gardening is a part of the occupation of the patients. In England there are two good horticultural schools exclusively for women. About 80 pupils are graduated each year. One of the most important of horticultural pursuits is the growing of flowers for the retail trade. One to succeed in this line must have executive ability. In the middle west it is the common custom to have women to make up wreaths, wedding decorations, etc.,

### Pittsburgh Cut Flower Co.,

Wholesale Florists and Growers,

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Choice Assortment of CUT FLOWERS will be found here.

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Business Hours 7 a. m. to 8 p. m. 1619-1621 Ranstead St., PHILADELPHIA, PA.

Absolutely  
The Best Possible  
Service.

### Wholesale Flower Markets

| PHILADELPHIA, Mar. 23.     | Per 100     |
|----------------------------|-------------|
| Roses, Beauty, extra.....  | 35 00@50 00 |
| "    first.....            | 15 00@20 00 |
| "    Brides and Maids..... | 6 00@10 00  |
| "    Tea.....              | 6 00@10 00  |
| "    extra.....            | 12 00@20 00 |
| Carnations.....            | 4 00@ 6 00  |
| Cattleyas.....             | 50 00@75 00 |
| Lilium Harrisii.....       | 12 00@15 00 |
| Lily of the Valley.....    | 4 00@ 5 00  |
| Mignonette.....            | 4 00@ 5 00  |
| Sweet Peas.....            | 75@ 1 00    |
| Violets, single.....       | 75@ 1 00    |
| double.....                | 75@ 1 00    |
| Smilax.....                | 15 00@20 00 |
| Daffodils.....             | 2 00@ 3 00  |
| Tulips.....                | 2 00@ 5 00  |
| Asparagus.....             | 1 00@ 1 50  |
| Callas.....                | 12 00@15 00 |

| PITTSBURG, Mar. 23.                                        | Per 100     |
|------------------------------------------------------------|-------------|
| Roses, Beauty, special.....                                | 25 00@40 00 |
| "    extra.....                                            | 15 00@20 00 |
| "    No. 1.....                                            | 8 00@12 00  |
| "    Bride, Bridesmaid.....                                | 4 00@10 00  |
| "    Chatenay.....                                         | 4 00@10 00  |
| "    Killarney.....                                        | 4 00@10 00  |
| "    My Maryland.....                                      | 4 00@10 00  |
| "    Richmond.....                                         | 6 00@15 00  |
| Carnations.....                                            | 4 00@ 5 00  |
| Callas.....                                                | 12 50       |
| Cattleyas.....                                             | 50 00@60 00 |
| Cypripediums.....                                          | 15 00       |
| Daffodils.....                                             | 3 00@ 4 00  |
| Gardenias.....                                             | 35 00@50 00 |
| Hyacinths, Romans.....                                     | 2 00        |
| Lilac, white.....per bunch, 1 00@1 50                      |             |
| Lilium Longiflorum.....                                    | 12 00       |
| Lily of the Valley.....                                    | 4 00        |
| Mignonette.....                                            | 4 00        |
| Narcissus.....                                             | 3 00@ 4 00  |
| Pansies.....                                               | 2 00        |
| Primroses.....                                             | 50@ 75      |
| Sweet Peas.....                                            | 50@ 1 00    |
| Tulips.....                                                | 3 00        |
| Violets, double.....                                       | 75@ 1 00    |
| single.....                                                | 25@ 50      |
| Adiantum.....                                              | 1 50        |
| Asparagus Sprengeri, per bunch, strings.....per string, 50 |             |
| "    sprays.....per bunch, 50                              |             |
| Smilax.....                                                | 15 00       |

florists insisting that women have better taste and skill in this line than men. In addition to high scientific knowledge, to succeed in growing flow-

ers for the wholesale trade, one must have good health and tremendous nerve force. Women can make a success of raising orchard fruits, especially if they have in connection with it a plant for putting up fruit in cans. Women have also successfully grown fancy vegetables for market. The average woman should not attempt such work as raising plants for landscape gardening. The growing of herbaceous plants, however, affords an opportunity for women.

Miss Dawson then said that no woman should attempt landscape gardening without possessing more than the average strength. To do a week's work in an office on plans, following this with a month in the field, is not easy for any woman. The woman landscape gardener must know architecture, grading, draining, the technique of planting and have a great sense for color and form.

There should be opportunities for women as consulting gardeners. In small towns, where there are many small places kept by some gardener who looks after several of them, there would be an improvement in the gardens if they were looked after, in the busy season by some skilled gardener, who may not have the strength to do more strenuous work. Other opportunities for women in horticulture are in caring for school gardens and in writing on horticultural topics. There are opportunities for women to learn horticulture in private horticultural schools and in the state agricultural colleges. A school of horticulture for women exclusively is soon to be opened near Philadelphia, and students at Wellesley and Smith colleges may take horticultural courses. In conclusion, Miss Dawson warned her hearers that no woman should undertake to enter horticultural work for profit unless she has strength, health, ability and some capital.



## New York.

## A QUIET WEEK.

The past week was quiet as to business with a little more life in the market on Saturday. The rose meeting and exhibitors brought a number of well known men to the city and they took advantage of the opportunity to look in on the wholesale district. Taking the exhibition, the banquet and attending visitors, the events of the week were interesting. This week, the hustle and bustle of Easter preparations are in full swing. Authorities agree that there will be much fine stock. With good stock the next great desire is for good weather. Under favorable weather conditions we look for a record breaking business. St. Patrick's day was a great holiday with a great parade but it made no great impression on the florist trade. There were shamrocks and dyed flowers but we noted few of the latter being worn by genuine Irishmen. At the Florists' Club banquet there was a good display of flowers, but not \$10,000 worth; which is the way a local daily paper puts it.

March 21.—There is little change in the condition of the market. Everything is being held back for Easter.

## NOTES.

Alexander Trumpere, father of Wm. Trumpere, buyer for Small's New York store, died at Stapleton, S. I., on March 11. He was 84 years old and had long been a prominent resident of Staten Island.

The Easter flower show at the Prospect park greenhouses has been visited by a large number of people since the opening March 20. The show of flowering plants of all kinds is unusually good.

J. H. Small of Washington, D. C., was in the city during the week but business engagements prevented him from remaining for the exhibition.

An interesting and encouraging feature of the recent exhibition was the large attendance of local retailers. They evidently enjoyed it.

Kessler Bros., the exclusive plantmen of Twenty-eighth street, have a great stock of lilies, azaleas, daisies and other Easter plants.

## Buffalo.

## SOME GROWERS SUSPECTED OF PICKLING.

March weather in all its different varieties has been with us the past week ending with an ideal Saturday. Trade has been quiet which is always expected at this time with the exception of funeral work. The death of one of our most prominent railroad officials gave S. A. Anderson a tremendous amount of work, also W. J. Palmer & Son, both stores being in the railroad office district. Among the orders of Anderson was a blanket of violets, carnations and lily of the valley, an immense mound of lilies and Richmond, together with several other pieces of large proportions. Stock the latter part of the week was scarce, no doubt owing to the usual attempt to keep flowers too long before a holiday and perhaps losing a fair price. A little cold storage is good for some things but not too much of it for anything.

## NOTES.

Joe Sangster of the northeast side has made all arrangements for a good supply to accommodate that fast growing section which is thickly populated with flower-buying people.

B. S. Myers, superintendent at W. J. Palmer & Sons, Lancaster, says he never had a finer lot of lilies, bulb stock, azaleas and roses, with carnations plentiful.

George Asmus of Chicago was a visitor last week, full of hustle, as all

are from the big city. The national census will not be taken until George returns.

L. H. Neubeck is well prepared for Easter and Chas. Schoenhut of William street has a good lot of stock.

W. J. Peake of Broadway always has a big trade from St. Mary's and the other churches in that vicinity.

Wm. Scott Co.'s and G. F. Newlands' lilies are not as tall as they should be but other stock is fine.

W. J. Palmer and W. F. Kasting were busy in New York, the former as judge at the rose exhibition.

Schwerdt & Berner, of Forks, have their usual stock of azaleas, hyacinths, tulips, etc., in good shape.

There are several events on the calendar for next week which will keep the florists busy.

W. J. Palmer & Son and S. A. Anderson will be able to wholesale a lot of stock.

C. F. Christensen, of Eggertsville, has a fine lot of lilies and other Easter plants.

BISON.

## European Horticulture.

## FROM THE FRENCH TRADE PAPERS.

"Should fruit trees be pruned the year of planting?" is a question on which doctors disagree most vigorously. As to fruits with kernels, like the peach, opinion is almost unanimous that even planted fairly late in spring, there is an advantage in pruning the same season, i. e., the end of March. On the contrary, seed fruits like the apple and pear, are more open to discussion, and a learned French horticulturist, M. Pierre Passy, solves the question as follows: When trees have been planted under the best conditions, dug when dormant without injuring the roots, planted October to January in well-prepared and enriched soil, they may well be pruned at the end of March. The trees will not suffer and a year will have been gained in their development. When, however, for any reason, conditions have been unfavorable, planting late, rootlets dried, maimed or frosted, or the soil badly prepared, only a slight shortening of the branches should be undertaken, though by this process a year's development be lost. A second objection to the non-pruning system is that the young trees sometimes begin to bear too early and so sap their vitality.

The Haarlem Flower Show.—The exposition which will take place at Haarlem this spring is one of peculiar interest. It celebrates the fiftieth anniversary of the General Society of Bulb Growers; the grounds have been furnished by the city of Haarlem, near the wonderful Haarlem wood, the trees of which are unrivalled in all Europe. Through August and September last, nurserymen of Boskoop, Naarden, Alameer and other centers, were busy making their plantations, some quite formal others in landscape style. Bulbs to the number of one million have been planted and will make a continuous and interesting show for weeks. No florist or plant lover who will be in Europe in April and May should miss this opportunity.

Hellanthus Daniel Dewar is a variety of *H. multiflora*, stiff, stalked, more branching than the type, bushy, three to four feet in height; leaves alternate, rather far apart; flower stalks one to two feet long, bearing terminal flowers three to four inches in diameter, bright yellow in color with wavy pointed petals. Begins to bloom in July or August, and continues until frost. Both for habit and bloom this is the best of all the *hellanthuses*.

*Populus lasiocarpa* is a new member of the poplar family, from central China, and a very showy one. It attains from 12 to 35 feet, and its leaves, heart shaped, 9 to 12 inches broad by 16 inches long, are brilliant green, while the stem, the median and other principal veins are of a superb red. It promises to be a most effective plant for landscape work, it being singularly ornamental, especially as single specimens.

The new hardy carnation, Countess Knuth, a Danish novelty, should be a great acquisition. It has pure yellow flowers two to 2½ inches in diameter, borne on stems two feet in length; quite hardy, and unsurpassed in freedom and season of bloom. Planted out in the fall one foot apart, the young cuttings bloom the first year and give a marvelous quantity of bloom the second.

To keep lilac flowers, which have been forced, it is important that they do not pass the night in a room which has been heated during the day. If at night the sprays are separated, the stems cut and placed in slightly salted water in a cool place, the flowers may be kept in good condition for a week or more.

Phoenix Roebeleni.—This is the most delicately graceful of the palms that are suited for rooms; its charming, finely cut foliage and its exceedingly dwarf habit adapt it for use in small apartments while, even in the greenhouse, good specimens seem never to attain to more than four feet in height.

A Double Hardy Aster.—The first double hardy aster, Beauty of Colwall, is an English novelty. The flowers are entirely double, with no yellow disk whatever, and of a pretty mauve blue shade. Any desirable new September and October blooming perennial is sure of a welcome.

Sidalcea Rosy Gem.—This is a hardy perennial which merits a place in the border or landscape garden. It grows about four feet high, bearing abundant spikes of rich bright pink flowers, showy in the garden and well adapted for cutting.

New Rose Aviateur Bleriot.—(hybrid Wichuriana). Flowers saffron yellow, center golden yellow, medium size, double. Very strong climber, shining dark green foliage, flowers in corymbs. The best yellow of this class.

Rose Jonkheer J. L. Mock.—The new Dutch rose, Jonkheer J. L. Mock, continues to make a sensation in its native land. This rose, which in many respects resembles La France, has received several medals and certificates.

Philadelphus Lemoinei Etolle Rose has small, fine foliage and flowers in panicles at the tips of the branches, large petals elongated, purplish pink at the base, fading toward the center of the flower. Delicately fragrant.

Viburnum utile is a very early blooming member of this large family. The foliage is lustrous, dark green; the flowers are pure white, abundantly produced, and the plant very graceful in appearance.

Viburnum Henryi, especially grown for its prodigality of coral-colored berries, is very ornamental. Its shining green, lanceolate leaves are very strikingly marked along the middle vein with yellow.

Rose, White Cecile Brunner.—(polyantha.) A sport of Cecile Brunner, retaining all its good qualities. Pure white, chamois and sulphur yellow flowers are found on the same plant.

Madame Joseph Gouleau.—(hybrid tea.) A sport of La France of 89, which, instead of vermillion, is the most beautiful white. Said to be one of the most important novelties.



1887

Telephone 167 Madison Square.

1910

# J. K. ALLEN,

Wholesale Commission Florist,  
Established 1887.

106 West 28th Street,

NEW YORK CITY.

Open the year around to receive shipments of Cut Flowers.

Open Every Morning at 6 a. m.

Prompt Returns To Shippers

A. L. YOUNG & CO., 54 W. 28th St., and Manhattan Flower Market, 46 W. 28th Street, NEW YORK  
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WHOLESALE FLORISTS. Consignments of Choice Cut Flowers Solicited. Prompt Payments. Give Us a Trial

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Phones, 798 and 799.  
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On the ground floor of New York Cut Flower Co.  
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26th Street and 6th Avenue and  
444 6th Avenue, NEW YORK  
Open from 6 a. m. to 6 p. m. The "Hub" of the Wholesale District.

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Telephone 2065-2066 Madison Square.  
42 West 28th Street,  
To out-of-town florists  
We are in the Heart of  
New York  
And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

## Alexander J. Guttman,

THE WHOLESALE FLORIST OF NEW YORK  
34 WEST 28th STREET,  
PHONES, 1664-1665 MADISON SQUARE  
ENOUGH SAID.



Give us a  
Trial  
We can  
Please you.

Roses, Carnations and all kinds of  
Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale  
Buffalo, N. Y. Florists.  
Florists' Supplies and Wire Designs.

## August Millang

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N.Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.  
Open for Cut Flower Sales at 6  
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Desirable Wall Space to Rent for Advertising.

V. S. DORVAL, Secretary.

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WHOLESALE FLORIST  
55 and 57 W. 26th St., NEW YORK  
Telephones: 4620 4621 3864 Madison Sq.  
VIOLETS CARNATIONS  
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Shipping Orders Receive Prompt Attention.

## ALFRED H. LANGJAHR

WHOLESALE FLORIST.

55 W. 28th Street, NEW YORK.  
All flowers in season. Consignments of  
class stock solicited.  
phones 4626 and 4627 Madison Square

## Wholesale Flower Markets

| NEW YORK, Mar. 23.                        |             |
|-------------------------------------------|-------------|
| Roses, Beauty, special.....               | 40 00@50 00 |
| " " fancy.....                            | 25 00@30 00 |
| " " No. 1.....                            | 15 00@20 00 |
| " " No. 2.....                            | 3 00@ 5 00  |
| " " Bride, Bridesmaid, special.....       | 6 00@ 8 00  |
| " " extra and fancy.....                  | 3 00@ 5 00  |
| " " Killarney, special.....               | 8 00@10 00  |
| " " extra and fancy.....                  | 6 00@ 8 00  |
| " " No. 1 and No. 2.....                  | 2 00@ 4 00  |
| " " My Maryland.....                      | 4 00@10 00  |
| " " Richmond.....                         | 3 00@15 00  |
| Carnations.....                           | 50@ 2 00    |
| Callas.....per doz., 1 00@ 1 25           |             |
| Cattleyas.....                            | 25 00@60 00 |
| Gardenias.....per doz., 1 25@ 3 50        |             |
| Hyacinths.....                            | 1 00@ 1 25  |
| Lilium Longiflorum.....                   | 5 00@10 00  |
| Lily of the Valley.....                   | 1 00@ 2 50  |
| Mignonette.....per doz., 25@ 1 00         |             |
| Sweet Peas.....per doz. bunches, 50@ 1 00 |             |
| Violets.....                              | 25@ 40      |

| BUFFALO, Mar. 23.               |             |
|---------------------------------|-------------|
| Roses, Beauty, special.....     | 6 00        |
| " " fancy.....                  | 4 00        |
| " " extra.....                  | 3 00        |
| " " Bride, Maid, Killarney..... | 6 00@15 00  |
| Carnations.....                 | 2 50@ 6 00  |
| Callas.....                     | 10 00@12 00 |
| Daffodils.....                  | 2 00@ 4 00  |
| Daisies.....                    | 1 00@ 3 00  |
| Hyacinths, Romans.....          | 2 00@ 3 00  |
| Jonquils.....                   | 3 00@ 4 00  |
| Lilium Longiflorum.....         | 12 00@15 00 |
| Lily of the Valley.....         | 3 00@ 4 00  |
| Mignonette.....                 | 2 00@ 4 00  |
| Myosotis.....per bunch 15@25    |             |
| Ferns.....                      | 2 00        |
| Galas.....                      | 1 50        |
| Leucothea.....                  | 75          |
| Boxwood.....per case, 7 50      |             |
| Sweet Peas.....                 | 50@ 1 00    |
| Narcissus, Paper Whites.....    | 2 00@ 3 00  |
| Tulips.....                     | 2 00@ 3 00  |
| Murilla.....                    | 4 00@ 5 00  |
| Violets.....                    | 75@ 1 25    |
| Smilax.....                     | 15 00       |
| Asparagus Str.....              | 50@ 60      |

## FORD BROS.,

Receivers and Shippers of

Fresh Flowers

48 West 28th St., NEW YORK.  
Telephone 3870-3871 Madison Square

ALBION, MICH.—A. H. Dew held his annual spring opening at his greenhouses this week and an exceptionally fine lot of plants have been on exhibition.

## Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 28th Street,

Telephone No. 756  
Madison Square. NEW YORK.

Mention the American Florist when writing

## HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty. Roses,  
Violets, Carnations, Valley, Lilies, Etc.

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## JOHN I. RAYNOR

Are the best product of the best growers  
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CUT FLOWERS

Wholesale Plantsmen and Florists.  
Phone 2336 Madison Shipments Everywhere.  
Prompt and satisfactory. Consignments solicited.



## Boston.

## TRADE GOOD.

Trade has been good the past week in many lines. The weather has been favorable and stock has come in freely. Violets are falling off rapidly. Carnations are evidently being held back somewhat as they were plentiful the early part of the week but quite the reverse the latter part. Roses are plentiful, the only shortage being in the best grades. Killarney, Maryland and Chataenay are all coming with better stems and color. Beauties are off and the outlook is bad for Easter. There is an abundance of high grade sweet peas coming in, and they sell on sight. Snapdragon is at its best now and sells fairly well. Easter lilies have been plentiful to date. Quite a few of the growers will be a little late for the Easter trade. The demand for small flowers, such as pansies, primroses, anemone, myosotis, etc., is very strong. Mignonette is selling well. Gardenias are coming in freely and are of superior quality. Valley is plentiful enough to meet all demands. The market in cattleyas is somewhat limited and the crop seems to be off with the local growers. The plant trade is strong.

## NOTES.

The recent death of Edward Hatch is a personal loss to all his host of friends. For many years Mr. Hatch has been closely identified with the gardeners and florists of this city and vicinity and while not strictly in the trade himself he was always regarded as one of them at the various gatherings he so often attended. His health has been poor for some time and the end was not wholly unexpected. He was buried quietly from his late residence on Tuesday last.

A visit to the wholesalers found everything in readiness for the big rush. Special attention is being given this year to the handling of flowering plants. Orders in many cases are to be shipped direct from the growers.

James Petros of Casey's "Rosary" is confined in the city hospital. He is suffering from a rupture and is expected to leave the hospital in about two weeks' time. Mr. Petros has the sincere sympathy of the trade.

The J. A. Budlong Sons Co. is getting back to the old form again as Easter approaches. Chataenay, My Maryland and Killarney are showing a remarkable improvement over a few weeks ago.

H. Arnold of the Galvin forces made a brief trip to New York this week. He found things more quiet there than here but all hands were anticipating a lively Easter trade.

Lester Mann is bringing in some good Lillium candidum. Not many of these have been grown of recent years but they seem to be in good demand.

C. P. Owens has resigned his position with R. McGorum and accepted a position in the retail store of Mrs. J. W. Rogers on Summer street.

The regular monthly meeting of the Gardeners' and Florists' Club is postponed for a week owing to the hall being previously engaged.

John Newman of Woburn has been bringing in upwards of 30,000 violets daily for the past few weeks and disposing of them readily.

Thomas Curran died of heart failure suddenly last Sunday. He was employed by F. E. Hanly of Brookline.

W. M. Walsh, of Woods Hole, is sending out some ramblers roses that would be hard to beat.

Pierce Bros. are bringing in some fine mignonette, the first of a new crop. R.



FANCY



DAGGER

## New Crop Hardy Cut Ferns

First Quality, \$1-25 per M.

ALSO DEALERS IN

## Baled Spruce for Cemetery Use

BOUQUET GREEN, SPHAGNUM MOSS, Etc.

L. B. BRAGUE &amp; SON,

Oldest, Largest and Most Reliable Dealers in the United States,

Hinsdale, Mass.



FANCY.

## Henry M. Robinson &amp; Co.

Wholesale Commission Florists.

Cut Flowers of all kinds, Hardy Cut Evergreens and Florists' Supplies.

Dagger and Fancy Ferns ..... \$1.50 per 1000  
 Bronze and Green Galax ..... \$1.00 per 1000; 8.50 per 10 000  
 Leucothoe Sprays ..... \$1.00 per 100; \$7.50 per 1000

Southern Wild Smilax, Branch Laurel, Laurel Festooning,  
 Green and Sphagnum Moss, Boxwood Sprays,

A large stock constantly on hand. Can fill orders at a moment's notice, Telephone or telegraph.

Telephones: 2617-2618 Main; Fort Hill 25290.  
 15 Province Street and 9 Chapman Place,

BOSTON, MASS.



## FANCY FERNS, \$1.75 per 1000

New Crop Galax, Bronze or Green ..... \$1.25 per 1000; 10.00, \$7.50  
 Sphagnum Moss, large bales ..... \$1.25; 6 bales, \$7.00. Extra fine  
 Leucothoe Sprays, Green and Bronze ..... \$1.00 per 100; \$7.50 per 1000  
 Boxwood ..... per bunch, 35c; 50-pound case, \$8.50

Florists in the Middle and Western States can save money  
 by placing their orders with us. A trial order solicited.

## MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists and Florists' Supplies,

38-40 Broadway,

All phone connections.

DETROIT, MICH.

## George Cotsonas &amp; Co.

Wholesale and Retail Dealers

in all kinds of

Evergreen

Fancy and Dagger  
 Ferns, Bronze and  
 Green Galax,  
 Phone 1202 Mad. Sq.

Main Store, 50 W. 28th St., NEW YORK.

## New Crop Ferns

FANCY and DAGGER ready May 1st.

Special price for large orders

Price \$1.25 per 1000.

CALDWELL THE WOODSMAN CO.,

Evergreen,

Alabama

Richmond, Va.

Deeds were filed with the clerk of Henrico county, March 12, conveying the W. A. Hammond property on Brook road to the Hammond Company, Inc., which will continue to conduct the flower trade, and to the Suburban Development corporation, which will divide its section into lots for building and residential purposes. The entire tract contains about 42 acres and the price paid was \$90,000. The purchasing firms are separate and distinct.

Mr. Hammond will retain his residence adjoining the property on Sherwood avenue. That portion of the tract lying to the west, containing about 20 acres and including the greenhouse plant, went to the Hammond Company at approximately \$68,000. This company was recently incorporated for the purpose of acquiring this

## Greens! Greens! Greens!

Boxwood, per case, 50 lbs., \$6.00; 100 lbs., \$11.00  
 Leucothoe Sprays, per 100, 50c; per 1000, \$4.00.  
 Galax, green and bronze, per 1000, 75c; per case 10.00, \$6.00.  
 Wild Smilax, per 50-lb. case, \$5.00; 2 case lots, \$9.00; 4 case lots, \$16.  
 Smilax, per dozen strings, \$1.50.  
 Fancy Eastern Ferns, per 1000, \$2.00; 5,000 lots, \$8.00.

Green Sheet Moss, per bundle, \$1.00.  
 Sphagnum Moss, per bundle, \$1.00.

## William Murphy,

Wholesale Commission Florist.

L. D. Phone 311 Main St., Cincinnati, O. M 980.

## WHOLESALE PRICE LIST

GALAX, FERNS AND LEUCOTHOE

Direct from the woods to the dealer.

Per 1000  
 Galax green and bronze ..... \$0.50  
 Ferns, dagger and fancy ..... 1.00  
 Green Leucothoe Sprays, regular lengths ..... 2.00  
 Green Leucothoe Sprays, 10 to 15-in ..... 1.00

Special prices on lots of 100,000 and up.  
 Terms strictly cash, f. o. b. Elk Park, N. C.  
 North Carolina Evergreen Co., Banners Elk, N. C.

Perpetuated and Natural Sheet

## MOSSSES

Southern Wild Smilax:

E. A. BEAVEN,

Evergreen, Ala.

property and business, with J. Scott Parish, president; H. A. Higason, vice-president; and F. F. Apt, secretary. The business will be conducted as formerly under the new management.



# DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

**Alexander McConnell,**

571 Fifth Ave., Windsor Arcade,  
NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL.  
Western Union Code.

Cleveland, O.

**The Cleveland Cut Flower Co.**

Will fill your orders for designs and cut flowers in  
NORTHERN OHIO.

Dayton, O.

**Matthews,**

—FLORIST—

16 W. 3rd Street.

Flowers in any arrangement for all occasions,  
for Dayton and vicinity. Long dis. Phones

St. Paul, Minn.

**HOLM & OLSON,  
ST. PAUL.**

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in  
MINNESOTA AND THE DAKOTAS.

Los Angeles, Calif.

**J. W. Wolfskill,  
FLORIST.**

Telegraph Orders  
A Specialty. 218 W. 4th St.

St. Paul, Minn.

**L. L. MAY & CO.**

Order your flowers for delivery  
in this section from the

Leading Florists of the Northwest

San Francisco, Calif.

**J. B. BOLAND**

Successor to Sievers and Boland  
FLORIST

60 KEARNEY STREET.

Atlanta, Ga.

**Atlanta Floral Co.**

41 Peachtree Street.

Pittsburg, Pa.

H. L. BLIND & BROS.,

Two Stores: Liberty Av. & 5th St., 5424 Center Av.  
Greenhouses: West View.

New York.

Established 1874.

**DARDS**

N. E. Corner 44th St.  
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Indianapolis.

Trade has been exceptionally good. Funeral work has kept nearly everyone working overtime. The fine spring weather which we have been having has put the world, at least so far as this city is concerned, in the best of spirits, and a liberal amount has been spent for flowers.

NOTES.

Owing to the efforts of Secretary Baur, of the State Florists' Association, the annual state fair is going to be an event of importance to florists from now on. He has succeeded in getting the state fair board in the proper sort of notion as regards to premiums. However, the board seemed very willing to adjust the matter and were very glad to receive the capable advice of Adolph Baur.

Bertermann Bros. Co. entertained the public at the East Washington street greenhouses last Sunday with the large Easter display. Irwin Bertermann is working on a device to prevent the skidding of automobiles.

The Indianapolis Plant and Flower Co. has started the scheme of replacing all its old wooden benches with cement ones, and as soon as a bench becomes shaky the cement is installed.

The market men have again agreed to keep the price of geraniums at \$1.50, but in some mysterious way the geraniums will be sold for \$1 in a couple of weeks.

Roepke-Rieman Co. is no doubt leading in the line of sweet peas. This firm also has a large line of bedding plants which are developing nicely.

Smith & Young want to add 5,000 square feet for smilax and Asparagus Sprengeri to meet the ever-increasing demand for green.

The Hukriede Floral Co. has a fine lot of daffodils and will be able to cut several thousand of them for Easter.

John Grande, as usual, has a fine lot of Easter lilies. His tulips are also attracting favorable attention.

Henry W. Rieman is still leading in the line of cypripediums. They are in crop now and are fine.

John Rieman has installed the Tungstolier lights throughout his store.  
A. W. B.

BROOKLAND, D. C.—A lecture in the interest of landscape gardening, illustrated with stereopticon views, was delivered March 8, by Prof. L. C. Corbett, of the Department of Agriculture, in the lecture room of the Baptist church. Prof. Corbett described modes of planting flower gardens so as to bring out the most attractive color schemes in the plants and explained at some length the botanical characteristics of the better known garden flowers.

Detroit, Mich.

**John Breitmeyer's Sons**

Corner Miami and Gratiot Avenues.

Artistic Designs.  
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Kansas City, Mo.

Geo. M. Kellogg Flower and Plant Co.,  
906 GRAND AVE.

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

Terre Haute, Ind.

**John G. Heint & Son,**

129 South Seventh St.

Telephone 247.

We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

Pittsburg, Pa.

**A. W. SMITH CO.**

KEENAN BLDG.

Largest Floral Establishment in America  
Established 1874. Incorporated 1909.

Rochester, N. Y.

**J.B. KELLER SONS,**

FLORISTS.

25 Clinton Avenue, N.

Rochester Phone 506. Long Dis. Bell Phone 2185

*M.A. Bowe*

IN HEART OF NEW YORK CITY

Phone 2270 38th St. 1294 Broadway  
Our Motto—THE GOLDEN RULE

Kansas City, Mo.

**Samuel Murray**

..... FLORIST .....

1017 Broadway Coates House

Both Phones 2670 Main. Conservatory

Write, Telephone  
or Telegraph,

All orders given prompt  
attention.

Louisville, Ky.

Established 1880.

**M. D. REIMERS**

Successor to Chas. W. Reimers.

..... 329 Fourth Avenue



## DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place,

L. D. Phone 558 Lake View.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Chicago.

HAUSWIRTH FLORIST

Auditorium Annex.

Mail, Telegraph or Telephone Orders Filled Promptly in Best Style.

Cincinnati, O.

JULIUS BAER,

138-140 E. Fourth St.  
Long Distance Phone.

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838—  
CANAL ST.

Savannah, Ga.

JOHN WOLF,  
Wholesale and Retail  
FLORIST.Kalamazoo and  
Battle Creek, Mich.

H. A. FISHER CO.

Wholesale and Retail Florists.

We Handle Everything in Season.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper  
care of your orders in Wisconsin.

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

Washington,  
D. C.

14th and N Streets.

Blackstone

Also

1601 Eutaw Place,

Baltimore, Md.

Albany, N. Y.

One of the notable funeral pieces made in this section lately was a handsome 7-foot standing cross, ordered by the state legislature for the funeral of Thomas C. Platt, formerly United States senator from this state. The funeral was held at Oswego, March 9, and was attended by committees representing the two branches of the legislature, and by prominent leaders in the republican party. The cross was made by Eyres of cattleyas and Coelogyne cristata, and was a handsome piece of work. President and Mrs. Taft sent a wreath of hyacinths; Senator and Mrs. Chauncey M. Depew, orchids and lilies; the Amen Corner, violets and gardenias; the republican state committee, a wreath of roses, and the New York state congressional delegation, a blanket of roses.

R. D.



FROM NEW YORK EXCEPT AS NOTED.

March 29.

Hamburg, Ham.-Amer., 12 noon, Hob. Pier.  
Potsdam, Holl.-Amer., 9 a. m., Hob. Pier.

March 30.

Lusitania, Cunard, 9 a. m., Piers 54 & 56,  
North River.  
Venezia, Fabre, 1 p. m., Amity Dock.  
FROM BALTIMORE, Main, 2 p. m., Pier 9,  
Locust Point.

March 31.

Carpathia, Cunard, 12 noon, Piers 54 & 56,  
North River.  
La Lorraine, French, 10 a. m., Pier 42,  
North River.  
Geo. Washington, N. Ger. Lloyd, 10 a. m.,  
Hoboken Pier.

April 1.

FROM ST. JOHN, Victorian, Allan.  
FROM PHILADELPHIA, Menominee, Red  
Star, 10 a. m.

April 2.

Columbia, Anchor, 12 noon, Pier 64, N. River.  
Philadelphia, American, 10 a. m., Pier 62,  
North River.  
Chicago, French, 10 a. m., Pier 42, N. River.  
Caroline, French, Pier 84, North River.  
Kronland, Red Star, 11 a. m., Pier 59,  
North River.  
Laurentic, White Star, 12 noon, Piers 60 &  
61, North River.  
Pennsylvania, Ham.-Amer., 11 a. m., Hoboken  
Pier.  
Neckar, N. Ger. Lloyd, 11 a. m., Hoboken  
Pier.  
FROM BOSTON, Romanic, White Star, 4  
p. m.  
FROM PORTLAND, Dominion, White Star-  
Dom.

Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.

Greenhouses: Short Hills, N. J.

— Deliveries in —

NEW YORK, LONG ISLAND and NEW JERSEY

Mention the American Florist when writing

New York.

MYER, FLORIST,

609-611 Madison Ave.

Phone 5297 Plaza.

Indianapolis, Ind.

Bertermann Bros. Co.  
FLORISTS

.....241 Massachusetts Ave.

Omaha, Neb.

Hess & Swoboda  
FLORISTS.1415 Farnum St. TELEPHONES  
1501 and L 1583

Denver, Colo.

The Park  
....Floral Co.

J. A. VALENTINE, President.

WASHINGTON  
D. C.

Gude's

Washington, D. C.

Geo. C. Shaffer,

::: FLORIST :::

Phone 2416 Main 14th & Eye Sts., N. W.  
Write, Telegraph or Telephone.The Florists' Market Place,  
Our Ready Reference Ad. Dept



# DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Kansas City, Mo.

**WILLIAM L. ROCK,**  
Flower Co.,

Will carefully execute orders for  
Kansas City and any town in

Missouri, Kansas or Oklahoma.

Mention the American Florist when writing

St. Louis, Mo.

Write, Wire or Phone Your Orders to

**YOUNGS**

1406 Olive Street,

Regular discount allowed on all orders, either  
Plants or Cut Flowers.

Phones Bell, Main 2306, Kinloch, Central 4981

Mention the American Florist when writing

New York.

Established 1849

**David Clarke's Sons**

FLORAL DECORATORS

2139-2141 Broadway

Telephones:  
1552-1553 Columbus.

Choice Cut Flowers

Lansing, Mich.

**Gurdon B. Smith**

Covers all Points in Michigan. Best of  
Shipping Facilities in all Directions.  
Always has the best of Everything.



**Seattle,**  
**Wash.**

**L. W. McCoy**

Louisville, Ky.

**JACOB SCHULZ,**

550 So. Fourth Avenue.

Colorado Springs, Colo.

**FRANK F. CRUMP,**

Wholesale and Retail Florist.

MICHIGAN. Orders will be carefully  
cared for by

**HENRY SMITH,**

Wholesale and Retail Florist of GRAND RAPIDS

Anderson, S. C.

**THE ANDERSON FLORAL CO.**

533 MARSHALL AVE.

KANSAS CITY, MO.—E. A. Humfeld  
will build a new greenhouse at his  
place on Sixth and Paseo streets.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

**DANIELS & FISHER**

Order by mail, telephone, telegraph or  
cable. Cable address "Daniels, Denver"

Toronto, Can.

Canada's best known and most reliable florist

Only  
the  
Best **Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee  
safe arrival.

Cincinnati.

TRADE FAIR.

The condition of the cut flower market is very satisfactory; prices remain firm and buyers have been more active than at any time since the beginning of Lent. The wholesale houses sell out clean every day and the question is, "What are you going to have Easter?" By the time this letter appears the Easter rush will nearly be over and here is hoping that everybody does a record breaking business. From present indications everything points to the biggest and best ever. Flowers are coming along in nice shape. The quality is all that can be desired and we never handled better and cleaner stock. Another commendable feature is the fact that local growers are not holding back stock. However we do not know what the out-of-town growers are doing for there was not much stock shipped into the city the past week which undoubtedly is a sign that pickling is in process somewhere.

## NOTES.

Charles Dudley, of J. W. Dudley & Sons, of Parkersburg, W. Va., was in the city last Friday calling on the trade. He is selling some of those hydrangeas for which his firm is noted and is very successful in having them in bloom for Easter no matter whether the date is early or late. Having disposed of two carloads in Washington, D. C.—and he states that every florist he called on gave him an order—the four houses he has in bloom are nearly sold out.

James B. Allan, of the firm of George & Allan, received the appointment as city nurseryman from the park commissioners the past week. The park commissioners are to be congratulated upon securing the services of a man with Mr. Allan's ability and there is no question of Jimmie's making good.

J. A. Peterson is spending a week or 10 days at French Lick Springs, where he went to recuperate, being all run down from a strenuous season's business and he writes that he is getting along fine and will be back in time to get into business again for the Easter rush.

Burglars entered the store of A. Sunderbruch's Sons Thursday night but were frightened away before securing much booty. Two hundred stamps and a few lead pencils were reported missing and the hinges on the safe were damaged.

Wm. Speck, of Newport, Ernst Mack of Price Hill, and George & Allen, Hyde Park, will have a nice lot of Easter lilies but refuse to take any more orders for same as they

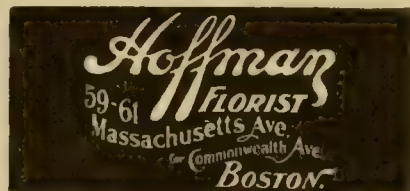
New York.

**A. J. Bunyard**

FLORAL CO.

We Guarantee Satisfaction

413 Madison Ave. cor. 48th St.



Albany, N. Y.

**EYRES,**

Flowers or Design Work.

Delivered in Albany and Vicinity on  
Telegraphic Order.

11 NORTH PEARL STREET.

Boston, Mass.

Send flower orders for delivery in

**Boston and all  
New England Points**

To THOS. F. GALVIN, Inc.,  
124 TREMONT ST.

THE J. M. GASSER COMPANY,

**CLEVELAND, O.**

We Cover All Points in Ohio.

Buffalo, N. Y.

**Palmer's** Flowers  
'Quality'

W. J. Palmer & Son.

304 Main St.

**GEO. A. HEINL,** Leading Florist  
TOLEDO, OHIO.

All Orders Promptly Executed.

claim to be pretty well ordered up.

Gus Adrian, Clifton, has about the nicest collection of flowering plants about the city, including azaleas, rhododendrons, and bulbous stock in pans.

G. Brunner's Sons have a nice house of hybrid roses which will be just right for Easter.

Tom Windram has ordered an automobile.

WILKESBARRE, PA.—Mrs. Herbert's handsome new store, The Fernery, was opened March 10. The room has been finished in green and white, and a fine display of both cut flowers and plants was made. Souvenirs were given to all visitors on the opening day.



## The Seed Trade.

### American Seed Trade Association.

J. C. Robinson, Waterloo, Neb., Pres.; M. H. Duryea, New York, First Vice-Pres.; F. W. Boligiano, Washington, D.C., Second Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.; Leonard H. Vaughan, Chicago, Asst. Sec'y. Twenty-eighth annual convention, at Atlantic City, N. J. June 21, 1910.

TIMOTHY seed advanced 40 cents this week.

ONION SETS at Chicago were lower in price this week, yellows being particularly weak.

SANTA ROSA, CALIF.—Luther Burbank, who has been away for some time on a lecturing tour, returned March 19.

SEED TRADE, both mail and counter, continues good generally. The rush is on in earnest and the weather seasonable. Rain is needed.

CHICAGO.—Contract prices on the board of trade March 23 for grass seed were noted as follows: Timothy, \$4.60 nominal. White clover, from 20 cents to 25 cents.—Visitor: A. L. Rogers, of Rogers Bros. Seed Co., Alpena, Mich.

FRENCH BULB crop reports of March 10 tell us that the dry weather still continues, with high winds. It is reported that the syndicate of growers at the annual meeting April 16 will decide on wholesale prices for the year.

ROCHESTER, N. Y.—James Vick's Sons say business thus far surpasses that of any previous season for many years past. During the first three weeks of March wholesale orders advanced 32½ per cent over any similar previous period in the history of the concern.

THE Department of Agriculture has declared war against salesmen who have been selling sorghum seed to unsuspecting farmers in the south, declaring it to be a new variety of wheat that yields 400 bushels to the acre. They have also been disposing of sorghum seed by labeling it "ribbon" cane, or sugar cane, of a new and decidedly improved kind.

THE tariff committee on bulbs made an error in not giving the botanical names with the common names as it is now reported that the customs collectors are charging Dutch hyacinth rates on Hyacinthus candicans and grape hyacinths which should come under the head of "bulbs not otherwise specified."

## Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,  
Growers for the Wholesale  
Trade Only.

**SAN JOSE, CALIF.**

SANTA BARBARA, CALIF., March 16.—We have just had a half inch of rain, the first since Christmas; it has done lots of good.—C.

### Dutch Bulb Trade.

According to a recently-issued British consular report, the trade in Dutch bulbs continues to increase. There are in Holland 10,000 acres of bulb farms, producing yearly some 15,000 tons of bulbs for export. Nearly half of this goes to the United Kingdom. It is remarkable that the Dutch thus maintain their supremacy, and can still produce better bulbs than English florists. Some attribute this to the peculiarity of the soil of Holland, and the bulb farms are mostly on an area between Leyden and Haarlem, recently reclaimed from the sea. The lily bulb trade, however, has passed almost entirely to Spain.

### Congressional Free Seeds.

The Practical Farmer prints the following letter an Ohio man wrote to his congressman who "favored" him with some packets of congressional seeds. It states the case as well as we have ever seen it stated:

"Thank you for the courtesy and good intention evident, but I don't want them. I have a reliable dealer who supplies me annually with such seeds as I require and he does not expect my continued trade unless he supplies good seeds. Hence he sends me only good seeds, true to name, and just such varieties as suit my needs. I note that of these five papers you have sent to me, none are claimed to be anything but old standard sorts. I wish to call to your attention the fact that this free seed distribution was originally intended to place in the hands of the farmer new or improved varieties whose success or failure was desired reported to the secretary of agriculture. Now I ask you, why you ask me to report the results of these poor, unfathered seeds' growth, whose origin a 'congressional investigation' could not determine? Can you tell who raised these seeds? Do you think it any more fair to distribute poor garden seeds free, than it would be to send out to the voters in your district any other class of merchandise in return for a support which you must have to enable you to stay where you are? Do you think I can afford to plant seed of doubtful origin? I cannot. The cost of dependable ones is trifling. Do you think we can afford to pay the bill of sending thousands of tons of free matter through the mails at a cost 200 per cent greater than

our avaricious express companies would handle it? We cannot, and unless you get busy in giving us a parcels post, postal savings bank, and redeeming some of the pledges which our president is insisting upon, we may give another your opportunity. I ask you, in case you have any defense to make of this free seed graft, to give it to us. If not, kill it at once. If you consider this package of garden seeds has any value, please send stamps and I will return them. Possibly you can use them in your own garden."

We hope more who receive free seeds will do likewise.

### Non-Guaranty.

A prominent seedsman in some recent correspondence justifies the non-guaranty of seeds, plants and trees by seedsmen and nurserymen as follows:

"If the seedsman is open to a lawsuit and the complainant testifies that all the conditions were ideal for the seed and yet he got no crop, how can the seedsman who has never seen the soil or its conditions defend himself without any opportunity for introducing first-hand evidence in his defense?

"Further; you know that a tree, fresh and alive with fine fibrous roots, may be unpacked, opened and exposed to the air and sunshine for three hours and thus have all its fine fibrous roots killed. How can a nurseryman prove, in case he is sued for damages, the facts of this careless exposure and ruin by the purchaser?

"If you think a little further along these lines, you will find that it is impossible for the seedsman and nurseryman to do anything further than sell the seeds, trees and shrubs on the basis that if they are not accepted when they are received and examined they must be returned at once and money refunded."

### Imports.

During the week ending March 12 imports were received at New York as follows:

Peter Henderson & Co., 5 bags seed.  
H. Frank Darrow, 20 packages seed.  
Yokohama Nursery Co., 64 cases bulbs.

J. M. Thorburn & Co., 4 barrels, 4 bags, 5 packages seed.

F. B. Vandegrift & Co., 11 cases palm seed.

Vaughan's Seed Store, 1 case plants, 3 bags seed.

To others: 5 cases trees and shrubs, 2 packages bulbs, 138 cases, 2 baskets plants, 1,415 bags, 5 cases, 163 packages seed, 2 bags grass seed.

During the week ending March 19 imports were received at New York as follows:

H. Frank Darrow, 30 cases trees and shrubs, 19 cases plants.

Wm. Elliott & Sons, 32 cases trees.  
Evergreen Nurseries, 54 packages trees.

Fruit Auction Co., 3 cases trees.  
McHutchison & Co., 311 cases, 2 bundles shrubs and trees, 28 cases plants.

J. M. Thorburn & Co., 10 cases trees, 9 cases plants.

Vaughan's Seed Store, 33 cases trees.  
Wadley & Smythe, 227 packages trees.

Yokohama Nursery Co., 49 cases roots.

To others: 808 bags, 753 sacks seed, 50 bags grass seed, 53 bags clover seed, 92 bags alfalfa seed, 978 cases, 228 packages, 2 bales trees and shrubs, 161 cases, 11 boxes plants, 3 cases bulbs, 122 bundles cuttings.

## Peas AND Beans

Alfred J. Brown Seed Co.,

Growers for the Wholesale Trade.  
GRAND RAPIDS, MICH.





**VAN ZANTEN BROTHERS**

Royal Netherland Bulb Nurseries  
and Export Trade.

**HILLEGOM, HOLLAND,**

Wholesale growers of the leading sorts of  
Hyacinths, Tulips, Narcissus, Crocus,  
Spireas, Gladiolus, Peonies, etc., etc.

Write our traveler. **MR. G. HYLKEMA**, care of  
Messrs. Maltus & Ware, 14 Stone St., New York  
for Catalogue and Special prices of all

**HOLLAND BULBS AND PLANTS****STOCK SEED**

Fisk's Branching in all  
colors. Trade packet.  
40c., oz. \$4.00.  
Pure White, tr. packet.  
50c., oz. \$5.00.  
Also Beauty of Nice  
strains.

**H. E. FISKE SEED CO.,**  
Boston, Mass.

**Pape & Bergmann,**

Quedlinburg, Germany.

Elite Seeds of Flowers and Vegetables.

Specialties: Stock, Pansies, Cyclamen, etc.,  
Cactus Dahlias. Bulbs. General Catalogue Free

**BURPEE'S  
SEEDS  
PHILADELPHIA**

Wholesale Price List for Florists  
and Market Gardeners.

**The Everett B. Clark Seed Co.**

Growers For The Trade.

Beans, Peas, Sweet Corn, Onion, Turnip,  
Radish, Beet, Etc.

Branches: Michigan and Wisconsin.

**MILFORD, CONN.**

**S. M. Isbell & Co.,**

Jackson, Mich.

**CONTRACT SEED GROWERS,**

Bean, Cucumber, Tomato, Pea, Muskmelon,  
Squash, Watermelon, Radish, Sweet Corn.

Correspondence solicited.

**C AULIFLOWER S E E D  
C A B B A G E**

LILY OF THE VALLEY PIPS

**HJALMAR HARTMANN & CO.**

Logangstraede 20, COPENHAGEN, DENMARK

CANTON, ILL.—C. E. and W. H. Savill  
have leased the Barnhart greenhouses  
and will take possession June 1. The  
business will be conducted under the  
firm name of Savill Bros., and with  
their extensive experience the pur-  
chasers will undoubtedly make a suc-  
cess of their venture.

VINCENNES, IND.—An addition to his  
greenhouses at First and Shelby  
streets, which will cover an area of 26  
by 30 feet, is to be made at once by  
Paul Schultz, who recently purchased  
the ground on which his addition will  
be made. The building is just half as  
large as his present quarters and will  
contain about 4,000 feet of glass and it  
will be used for carnations.

**WILDPRET BROTHERS**

Largest Growers and Exporters of



**HIGHEST  
GERMINATION**

**White and Red  
Bermuda.**

**EARLY  
DELIVERY**

**Crystal Wax and  
Golden Onion.**

Let Us Book Your Order At Once  
So As To Obtain Full Delivery.

Prices on Application.

We Supply Seedsmen Only.

Port Orotava, Teneriffe, Canary Islands.

**Fine Aster Seed**

Catalogue Now Ready.

**VICK & HILL CO.,**

Box 613, Rochester, N. Y.

ESTABLISHED IN 1894.

**Bridgeman's Seed Warehouse**

RICKARDS BROS., Props.,

37 East 19th St., New York  
bet Broadway and 4th Ave..

Telephone 4235 Gramercy.

**—FOR—  
SEEDS**

OF ALL KINDS APPLY TO

**W. W. JOHNSON & SON, Limited,**  
Boston, England.

**Pieters-Wheeler Seed Company**

HOLLISTER, CAL.

Growers of High Grade Seeds

Onion, Lettuce, Radish, Sweet Peas, Etc.

CORRESPONDENCE SOLICITED.

**JOHN BODGER & SONS CO.  
Gardena, Calif.**

Wholesale Growers of Sweet Peas,  
Tomatoes, Lima Beans, Lettuce, Astera,  
Cosmos and other Flower Seeds.

**Waldo Rohnert**

GILROY, CAL.

Wholesale Seed Grower

Specialties: Lettuce, Onion, Sweet Peas, Aster,  
Cosmos, Mignonette, Verbena, in variety.  
Correspondence solicited.

**S. D. WOODRUFF & SONS,  
SEED GROWERS**

Dealers in Garden, Field and Flower Seeds.

Specialties: Beet, Carrot, Corn, Peas,  
Beans, Onion Sets and Seed Potatoes.  
Catalogue free. Contracts taken.

82-84 Dey Street,  
Orange, Conn. NEW YORK.

GET QUOTATIONS FROM

**LANDRETH**

SEEDS which SUCCEED

Bloomsdale Farm. **Bristol, Pa.**

For RELIABLE STOCK From RELIABLE DEALERS

Keep Tab on Advts. in THE FLORIST



## Market Gardeners

### Greenhouse Vegetable Growers and Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President; Franklin DeKleine, Grand Rapids, Mich., Vice-President; S. W. Severance, 508 Illinois Life Building, Louisville, Ky., Secretary; M. L. Ruetenik, Cleveland, O., Treas.

AN interesting talk for market gardeners, entitled "Fertilizers: How to Make and Apply Them," was given at the meeting of the Buffalo Society of Natural Sciences by Professor Geo. W. Cavanaugh, of the New York State College of Agriculture, March 12.

WASHINGTON, ARK. — The Truck Growers' Association met here March 12 and elected J. H. Bradford as president, all the other officers being re-elected. About 35 acres were reported planted in potatoes, and it was agreed to plant 15 or 20 acres in sunflowers.

FIRE, supposed to be of incendiary origin, destroyed two barns and a greenhouse with their contents for Delbert Miller, of Espy, Pa. This is the second fire Mr. Miller has suffered from in a few months. The loss is stated to be about \$3,000, with only \$1,000 insurance.

### Prices of Indoor Fruits and Vegetables.

New York, March 19.—Mushrooms, 30 cents to 50 cents per pound; cucumbers, \$1 to \$2.50 per dozen; lettuce, 87 cents to \$1.12 per dozen heads; tomatoes, 35 cents per pound; radishes, 3 cents per bunch; asparagus, white, \$6.50 per dozen bunches, green, \$5.50 to \$11 per dozen bunches; rhubarb, 6 cents per bunch; mint, \$1 per dozen bunches; grapes, Gros Colman, 85 cents per pound; peaches, \$2 per dozen.

Chicago, March 23.—Mushrooms, 25 cents to 60 cents per pound; cucumbers, \$1.25 to \$1.50 per dozen; leaf lettuce, 40 cents per box; head lettuce, Florida, \$3.50 per hamper, Louisiana, \$5 and \$7 per barrel; tomatoes, 20 cents per pound; radishes, 50 cents per dozen; asparagus, 25 cents to 40 cents per bunch; grapes, Gros Colman, 75 cents per pound; rhubarb, 60 cents.

### Early Onions in the Southwest.

The work of the Arizona, New Mexico, and Texas experiment stations has shown that the raising of onions, particularly for the early market, may be made extremely profitable in certain parts of the southwestern United States. In warm valleys, where the winter conditions are favorable to growth and with proper methods of culture, fertilizing, and irrigation, large yields of very early onions can be produced which command high prices both in local markets and when shipped to distant markets.

E. L. Crane and R. H. Forbes, in a recent bulletin of the Arizona Experiment Station, state that onions are very successfully grown as a winter crop in the warmer southwestern valleys. "Planted at the close of hot weather, the crop grows during the cool months when labor is most effective, and early varieties mature in time for high prices in mining and coast towns." The New Mexico station has obtained yields of over 60,000 pounds per acre of early onions at a cost of production not exceeding \$125 per acre, but such yields were exceptional, about one-half this quantity being more common. As high as 27,000

pounds per acre were obtained at the Texas substation at Beeville. The Arizona station gives eight tons per acre as a common yield in that region, with a cost of production of about \$170 per acre.

The profits depend not only on skill in growing and yield, but also upon prices and marketing facilities. In 1907, with a good yield and prices ranging from two to five cents a pound delivered at Yuma, 1.2 acres of White Bermudas netted about \$400 after deducting all costs, including labor. In 1908, with increased costs and decreased yields due to onion thrips and mildew, with a late season, demoralized markets, and poor shipping arrangements, the crop was grown at a loss.

The lighter loam soils are considered preferable for onion culture on account of the greater ease and less cost of preparing the soil and cultivating and harvesting the crop. The soil should be abundantly supplied with organic matter, which may be chiefly added in the form of well-rotted barnyard manure. Soils containing much alkali should not be chosen, especially if ridge culture is followed, because this system of culture favors a surface accumulation of soluble salts around the plants. Flat culture with flood irrigation or ridge culture with furrow irrigation may be followed. The flooding method is more applicable to heavy soils, but ridges and furrow irrigation are preferable for light soils which work easily and sub-irrigate readily.

For ridge and furrow culture the field should be perfectly level and laid off for rows from 100 to 500 feet long. This arrangement will permit of equal and sufficient irrigations without loss of water or flooding the rows. Just before planting time the ground is again irrigated, and when sufficiently dry is disc and drag harrowed to secure perfect surface pulverization. To fertilize the field open out double furrows 30 inches apart, throwing the two furrow slices in opposite directions and manuring to a depth of four inches in the furrows. Then plow in to form ridges over the manure. These ridges may be conveniently finished by dragging them lengthwise with a long weighted plank drawn by a horse. This will leave flat-topped ridges about 24 inches wide on top, with furrows about six inches wide and deep between. Thus prepared the soil may be more easily kept in tilth and weeds controlled, than in flat culture.

The best and cheapest method is to sow the seed in beds and transplant later to the field. As soon as hot weather abates (usually in September), the seed is thickly sown in drills five inches apart in beds of well fertilized soil. The water furrows must be placed at intervals suitable for subirrigation. Two pounds of seed thus planted will provide young onions enough for an acre. If the soil is moist when the seed is planted, the seedlings should begin to appear in about nine days. An irrigation will then bring the whole stand up quickly, and with proper irrigation and cultivation thereafter the young onions will be as large as slate pencils in nine or ten weeks and ready to transplant, usually in December. It is very important that the seed should be fresh.

The ridges having been prepared just in advance of planting, the young onions are lifted as needed, the roots trimmed to about an inch in length, and the tops cut back about half. The rows are best laid out along the ridges by means of Crane's marker. This is a round cottonwood log two feet long and 10 to 12 inches in diameter, with three rows nine inches apart of pegs extending around the roller. The pegs should be about 1½ inches long and spaced at four to six inches, according to distance desired between onions. By

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(Near West St.) NEW YORK

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## VEGETABLE PLANTS.

Cabbage, Wakefield and Succession, \$1.50 per 1000. Parsley, 25c per 100; \$1.25 per 1000. Lettuce, Big Boston, Boston Market, Grand Rapids, \$1.00 per 1000. Beet plants, \$1.25 per 1000.

—Cash with order.—

R. VINCENT, Jr. & SONS CO., White Marsh Md.

means of a light frame tacked to the ends of the roller the marker is drawn along the ridge, leaving three perfectly uniform rows of holes. The trimmed plants are then dropped one at each hole, set about 1½ inches deep, and the soil firmly pressed about them by hand. It is then well to irrigate them lightly to insure an even start of all the plants. By this plan about 120,000 onions an acre may be placed, planting five inches apart in the row, with three rows to each ridge.

If the ground has been well prepared and ridges and furrows carefully constructed, the labor of irrigating and cultivating onions is not excessive. For the sandy loam of the Yuma trial ground about 15 irrigations are required from September to April in seed beds and field. Irrigation should be followed by cultivation both in furrows and on ridges to kill weeds, lessen evaporation of soil moisture, and break up the salty crust which in most arid





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|-------------------------------------------------------------------------------------------------------------------------|--------|--------|
| <b>Flora Norton.</b> A very bright blue quite different from other blues, being a brighter blue and clearer color. .... | ¼ lb.  | 1 lb.  |
| <b>Flora Frazier.</b> An improved Blanche Ferry, with longer stems, true to type .....                                  | \$0.10 | \$0.30 |
| <b>Frank Dolby.</b> Largest and best pale lavender .....                                                                | .15    | .40    |
| <b>King Edward VII.</b> The best of the dark red .....                                                                  | .10    | .30    |
| <b>Lady Griseld Hamilton.</b> The best of all lavender sorts .....                                                      | .10    | .40    |
| <b>Lord Nelson.</b> Improvement on navy blue color, rich navy blue. ....                                                | .10    | .30    |
| <b>Lovely.</b> Shell pink, extra fine .....                                                                             | .10    | .25    |
| <b>Mont Blanc.</b> An early-flowering white, for forcing .....                                                          | .10    | .35    |
| <b>Mrs. George Higginson, Jr.</b> Clear azure blue .....                                                                | .10    | .25    |

## Vaughan's Sweet Peas

### SPENCER AND UNWIN TYPES.

|                                                                              | ½ oz. | 1 oz. | ¼ lb.  | 1 lb.         |
|------------------------------------------------------------------------------|-------|-------|--------|---------------|
| <b>Apple Blossom (Spencer).</b> Primrose, with rose standard .....           |       |       | \$0.25 | \$0.80 \$3.00 |
| <b>Asta Ohn (Spencer).</b> The best lavender in the Spencer selections ..... |       |       | \$0.40 | .75           |
| <b>Blanche Ferry (Spencer).</b> Pink and white Spencer type .....            | .25   | .50   |        |               |
| <b>Countess Spencer (Variety).</b> Bright clear pink .....                   |       | .10   | .35    | 1.25          |
| <b>Dainty (Spencer).</b> White with very light pink edge .....               |       | .25   | .85    | 3.20          |
| <b>Florence Morse (Spencer).</b> Delicate blush with pink margin .....       |       | .15   | .40    | 1.60          |
| <b>George Herbert (Spencer).</b> Bright rose carmine .....                   |       | .15   | .40    | 1.60          |
| <b>Gladys Unwin.</b> One of the finest pinks in existence .....              |       | .10   | .20    | .50           |
| <b>King Edward VII (Spencer).</b> Deep rich carmine scarlet .....            | .30   | .50   | 1.60   |               |
| <b>Mrs. Alfred Watkins.</b> Superb pale pink .....                           |       | .10   | .20    | .60           |
| <b>Mrs. Sankey (Spencer).</b> A black seeded pure white .....                |       |       | .50    |               |
| <b>Mrs. Walter Wright (Spencer).</b> Rose purple .....                       |       | .40   |        |               |
| <b>Nora Unwin.</b> The best white .....                                      |       | .10   | .20    | .60           |
| <b>Paradise.</b> A dark shade of pink .....                                  |       | .10   |        | .80           |
| <b>Primrose (Spencer).</b> .....                                             |       | .10   | .20    | .60           |
| <b>Princess Alice (Spencer).</b> Light rosy mauve .....                      |       | .15   | .40    | 1.40          |
| <b>Princess Victoria.</b> White blush and pink edged Spencer .....           |       | .15   | .50    | 1.80          |
| <b>Ruby (Spencer).</b> Scarlet Spencer .....                                 |       | .40   | 1.50   |               |
| <b>Sutton's Queen.</b> Primrose edged in margin with buff .....              |       | .15   | .45    | 1.60          |
| <b>White (Spencer).</b> Flowers absolutely pure white .....                  |       | .10   | .20    | .60           |

### STANDARD VARIETIES.

|                                                                                                                                                                                                                               | ¼ lb.    | 1 lb.   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|
| <b>Blanche Ferry.</b> Pink and white .....                                                                                                                                                                                    | \$0.10   | \$0.20  |
| <b>Bolton's Pink.</b> Pink shaded rose, of immense size .....                                                                                                                                                                 | .15      | .50     |
| <b>Bridesmaid.</b> This is a deep bright pink .....                                                                                                                                                                           | .15      | .40     |
| <b>Dainty.</b> Large, pure white tinted with pink .....                                                                                                                                                                       | .15      | .35     |
| <b>Dorothy Eckford.</b> One of the best of all the white .....                                                                                                                                                                | .10      | .30     |
| <b>Emily Henderson.</b> White, early and free .....                                                                                                                                                                           | .10      | .25     |
| <b>Evelyn Byatt.</b> Rich fiery orange; very striking and unique .....                                                                                                                                                        | .15      | .40     |
| <b>Prince of Wales.</b> Deep rose .....                                                                                                                                                                                       | .10      | .25     |
| <b>Salopian.</b> Rich deep scarlet .....                                                                                                                                                                                      | .10      | .25     |
| <b>Queen Alexandra.</b> Giant size; best scarlet .....                                                                                                                                                                        | oz., 10c | .15 .40 |
| <b>Shasta.</b> Giant flowered white .....                                                                                                                                                                                     | .15      | .40     |
| <b>White Wonder.</b> Pure white, of the largest size .....                                                                                                                                                                    | .15      | .40     |
| <b>Vaughan's Florist Mixture.</b> This mixture is made up by ourselves from separate colors, carefully proportioned, of the best cut flower sorts and colors, and includes this year some of the best Spencer varieties. .... |          |         |
| <b>4 lb. 20c; 1 lb. 80c; 5 lbs., \$3.50.</b>                                                                                                                                                                                  |          |         |
| <b>Eckford Mixture.</b> This mixture contains over thirty varieties, including novelties of 1909. Per ¼ lb., 10c; 1 lb., 25c; 10 lbs., \$2.00.                                                                                |          |         |

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soils tends to form on interirrigated ridges. In order to reach the early markets in April and May it is essential, planting seed in September, to use the earliest varieties of onions, inasmuch as they require between seven and eight months, including the winter season, to mature.

The Arizona station has found White Bermuda the most successful variety at Yuma, although Red Bermuda and Crystal White Wax have also given good results. These are all mild early onions and good producers, but must be sold promptly, as they do not keep long. The superior appearance of Crystal White Wax brings it a somewhat higher price than the Bermudas, compared with which, however, this variety is a little later and a poorer keeper. New White Queen produced a good test crop of large late onions in 1906. El Paso and Prizetaker are very uncertain yielders under Colorado valley conditions, while Louisiana Creole and Australian Brown have thus far produced tops only and no onions. At higher elevations, however, near Tucson and in Graham county, Australian Brown is a good producer and keeper.

The White and Red Bermudas were grown with success at the Texas sta-

tion. The New Mexico station found Early White Queen, Barletta, White Bermuda, and Extra Early White Pearl quite satisfactory for early ripening. They are mild onions of good keeping quality. Red Victoria gave the best yield on unfertilized soil at this station. In the Arizona experiments downy mildew often proved troublesome, but was held in check by spraying with Bordeaux mixture as soon as the mildew appeared. Thrips frequently caused considerable damage, but was controlled by spraying with strong kerosene emulsion.

As the onions attain marketable size, maturity may be hastened by withholding irrigating water and drying out the soil. To the same end the tops may be broken over by means of a small roller. By these means three weeks may be gained in the time of ripening. The lessened yield will usually be more than made up by higher prices for an earlier crop.

Next to transplanting and cultivation, harvesting is the most costly item in connection with the crop. Flat culture onions are most costly to harvest, requiring the aid of a digging tool, especially in adobe soil. Ridge culture onions, however, if the soil is

light and has been kept mellow by cultivation, may be pulled by hand, and tops and roots trimmed with a sharp knife in one operation. The trimmed onions are collected in small piles, covered lightly with grass or weeds to prevent sunburn, and left a few days to cure. If to be kept for some time, they must then be stored in thin layers or crates in a cool, shaded, well-ventilated place. Sacks are a cheap market package, costing five to 10 cents for 105 pounds; but sacks allow the onions to bruise. Fifty-pound onion crates, costing 14 to 25 cents each in Arizona, are more convenient to handle, insure better keeping, and are usually demanded by the trade.

FREMONT, MICH.—The spring session of the State Horticultural Society opened here March 12 at the auditorium. C. B. Welsh, of Douglas, C. E. Bassett, of Fennville, and Professor H. J. Eustace, of Lansing, together with T. A. Farrant of Eaton Rapids and Edward Hutchins, of Fennville, spoke on the use of lime sulphur sprays, the discussion taking the greater part of the day.



## The Nursery Trade

### American Association of Nurserymen.

F. H. Stannard, Ottawa, Kans., President;  
W. P. Stark, Louisiana, Mo., Vice-President;  
John Hall, Rochester, N. Y., Sec'y.  
Thirty-fifth annual convention to be held  
at Denver, Colo., June 8-10, 1910.

ABRAHAM DEAN HARTLEY, landscape gardener of Pittsburg, Pa., died at his home, Woodlawn avenue, Bellevue, at the age of 73. He was a native of England and came to this country in 1867 settling in Philadelphia but later coming to Pittsburg.

### Among the Newer Deutzias.

The beauty and grace of the older deutzias ensured them a place in nearly all gardens where flowering shrubs are appreciated. Perhaps the most popular group for outdoor cultivation is the ever useful *D. crenata* and its varieties, which rank among the prettiest of flowering shrubs for border and shrubbery plantings. For greenhouse and conservatory adornment the well-known *D. gracilis* and its varied forms have long held the field, being decidedly light and graceful in contour, very floriferous, and readily amenable to gentle forcing. It would be extremely difficult to compute the number of the *gracilis* section which are grown for indoor decoration, but it must be exceedingly large.

The discolor group provides very good decorative subjects, and the newer hybrid varieties are especially noteworthy. As regards outdoor culture the majority of the deutzias will thrive admirably in the southern portions of the country, but in the colder north, only the hardier types should be attempted outside, such typical forms as *D. crenata* and the strong growing *D. scabra* doing fairly well with a little shelter.

Where one can plant deutzias, with the knowledge that they will do well, then informal groupings in the grass, or on an open bank in the wild garden should be the aim. Even well-grown single specimens look charming isolated on the lawns, and some of the newer forms will prove of great value. It may be of interest to the reader to know something of the newer hybrids, especially as they are so charmingly adapted for widespread culture, and may maintain the future popularity of the race.

Taking *D. crenata* first, one notes the delightful *D. candidissima flore plena*, a fine, graceful, pure white subject. Pride of Rochester, a grand pure double white, extremely well adapted for forcing; *Rosea flore plena*, a notable form, with rosy markings upon the white blossoms; and *Watereri*, the fine single white.

Fine progress is being made in the *D. discolor* group. The fine form, *D. discolor major*, which was introduced by Messrs. Veitch from Central China, has been followed by a charming series of hybrids from Messrs. Lemoine, of Nancy. *D. discolor grandiflora* is a fine seedling from *D. discolor purpurascens*, which was crossed with *D. gracilis*. It is of dwarf habit, with

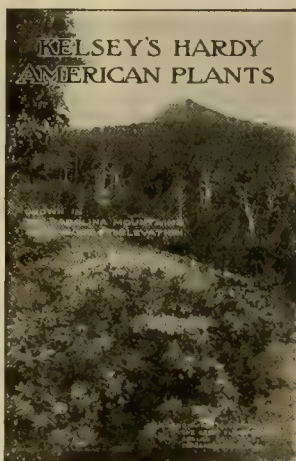
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delightful panicles of blossom which exceed in length and beauty the first-named parent. The fairly open blossoms are remarkable for their large, pointed petals, while the coloring is pure white tinted with rose. The buds and the reverse of the blossoms are rose-colored. *D. discolor purpurascens*, crossed with *D. scabra*, has produced the sterling *D. arcuata*, which differs from any other deutzia in cul-

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tivation in its spreading habit and foliage of a dark shade of green. The innumerable bunches of pure white erect blossoms give it a glorious ef-



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fect, and the individual flowers are of good size, and their beauty is increased by the crown-like formation of the stamens.—Gardeners' Magazine.

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Also a limited number of dormant, field-grown plants, own roots of the following Roses at 12 cents each: **Sweetheart, Trier, Lady Gay, La Flamma, Tannus Blumchen. Debutante, Hiawatha.**

**Clematis Paniculata,** field-grown, 1 yr. 5 cents.**Clematis Paniculata,** field-grown, 2 yr. 8 cents.**Hydrangea Paniculata Grandiflora,** 18 to 24 in. 6 cents.**Hydrangea Paniculata Grandiflora,** 2 to 3 ft 9 cents.**Viburnum Plicatum,** 2 to 3 ft.....12 cents.**Chinese Sacred Lilies,** \$3.00 per 100; \$25.00 per 1000.

**Guide To Rose Culture** As a work of reference, this book is almost indispensable and was produced at a cost of \$10,000. **FREE** to all who ask for it. Write to-day.

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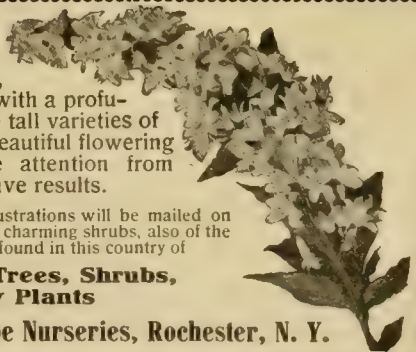
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**Roses and Hardy Plants****ELLWANGER & BARRY,** Mount Hope Nurseries, Rochester, N. Y.**STOCK FOR FLORISTS****ROSES for Forcing**—Hybrid Perpetuals and Ramblers, all the best ones; fine, strong stuff.**Clematis, Ampelopsis, Tree Hydrangeas and Lilacs,****Shrubs, Vines and Perennials.** Write for prices.**PALMS**—Kentias in 2½-inch pots, \$8.00 per 100; \$75.00 per 1000.**JACKSON & PERKINS CO.,** Newark (near Rochester), New York  
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## LEGAL NOTES.

## An Injunction Granted.

The plaintiff in the action Thorpe v. Hall, a corn and seed merchant, of Birmingham, moved on Friday last, before Mr. Justice Neville, in the chancery division of the high court, for an interim injunction to restrain the defendant, until the trial or further order, from selling certain peas grown by him from the plaintiff's seed. Mr. Maxwell Thin, in support of the motion, said the injunction asked for was to restrain the defendant, his servants or agents from selling, offering for sale, disposing of, or otherwise dealing in or parting with certain pea seed known as Bellthorpe's Prolific. By an agreement of February 10, 1906, the plaintiff supplied the defendant with seven quarts of pea seed to be grown at his farm at Bloxham, and delivered to the plaintiff's order at Banbury station. The plaintiff had specialized a pea, which he called Bellthorpe's Prolific, and the agreement provided for the defendant growing seven quarts of those peas on his land, and for the plaintiff purchasing the crop at a certain price. The plaintiff alleged that the defendant had not rendered to him the whole quantity grown, but had retained 10 quarts for his own use. These he had sown, and from them had now on his farm three stacks of these peas. It was very important to the plaintiff that the peas should not be sold to anyone else, for, having acquired a reputation for Bellthorpe's Prolific, anyone else selling the same peas would materially damage his business.

Mr. Northcote, for the defendant, said the season of 1907, being a bad one for peas, it was agreed that the defendant should retain some of the peas and sow them the next year, and this he did. His Lordship said it seemed to him that there was no sale of the peas to the defendant, but that they were merely handed to him for a special purpose. Whatever the rights of the parties were at the trial, he should have to grant an injunction if the defendant did not give an undertaking. After some discussion, Mr. Northcote undertook not to part with the peas to anyone but the plaintiff until the trial, on the plaintiff giving an undertaking in damages. This the plaintiff assented to, and no order was made upon the motion, except that costs should be costs in the action.—Gardeners' Chronicle.

## Poisonous Tomatoes.

Our old familiar friend the tomato is under suspicion again. When it first obtained a place in cultivation it was under the guise of an ornamental plant named love apple. As such it was regarded as deadly poisonous and its relationship to the nightshades gave color to the belief. Sooner or later, however, it was found to be edible and thereupon it was transferred to the garden where it has since remained as a highly prized fruit. Its harmful characteristics always have been more or less hinted at, however, and but a short time ago tomatoes were reputed to cause cancer. Of course this was all nonsense, but there seems more truth in the charge that is now being made by various physicians to the effect that some kinds of tomatoes are likely to cause heart trouble. Since all people are not affected alike it seems still to be a question whether all tomatoes are harmful or whether only a few per-

A ROSE FOR EVERY GREENHOUSE  
GRAFTED ROSES

White Killarney, My Maryland, Pink Killarney, Richmond.

Bride, Bridesmaid, Golden Gate, La France, Kaiserin.

Rose pots ..... \$15 00 per 100  
3½-inch pots..... 18 00 per 100Rose pots ..... \$10 00 per 100  
3½-inch pots..... 15 00 per 100

## OWN ROOT ROSES

White Killarney, My Maryland, Richmond, Pink Killarney, American Beauty.

Bride, Bridesmaids, Perle, Sunrise, Golden Gate, Chateaufort, Kaiserin.

3-inch pots..... \$ 9 00 per 100  
4-inch pots..... 12 00 per 1003-inch pots..... \$ 7 00 per 100  
4-inch pots..... 10 00 per 100

We will have large quantities of White Killarney and American Beauty Rose plants of the best quality for spring delivery. Verbena and Coleus Cuttings and Plants ready for shipment.

—Send for Circulars—

J. L. DILLON,

Bloomsburg, Pa.

## Asparagus Sprengeri

Fine plants from 4-in. pots, for immediate shipment, \$6.00 per 100

Also a fine assortment of

Aster Seed and Chrysanthemums.

ELMER D. SMITH &amp; CO.,

Adrian, Mich.

## Verbenas for Everybody....

Enchantress Carnations, R.  
per 100: \$20.00 per 1000.C. HUMFELD, The Rooted Cutting Specialist,  
CLAY CENTER, KANS.Of the finest varieties that ever grew.  
70c per 100; \$6.00 per 1000.

Mums, the good kind, \$1.25 per 100; \$10.00 per 1000.

Daisies, white and yellow, \$1.00 per 100; \$8.00 per 1000. Our big double Giant Alyssum, 80c per 100 \$7.00 per 1000.

Feverfew, \$1.25 per 100; \$10.00 per 1000. We prepay express charges on all rooted cuttings and guarantee satisfaction.

C. very strong, \$2.25

sons are susceptible. It is well known that the luscious strawberry appears to be poisonous to some people, but that does not prevent the rest of us from indulging in strawberry shortcake. The harm in the tomato is laid to "lycopersic acid," whatever that may be. It is supposed to be most abundant in tomatoes that have been picked green and ripened on the way to market and the moral of all this is that one should eat only fresh tomatoes, and the inference that he should grow them himself. If the fact that some people's hearts are affected by stale tomatoes induces every man to make a garden, we shall welcome the discovery of "lycopersic acid."—American Botanist.

PHILADELPHIA, PA.—Flower vendors of all classes, those selling the green carnations which are plentiful on St. Patrick's day, and those with the modest little violet in bunches, were arraigned in City hall March 17 on charges of disorderly conduct. Market street, from Second to Thirteenth, was cleared of the flower vendors after numerous complaints had been made to the police department in regard to their persistent methods of selling. It was declared that they would single out a prospective victim and follow him for a square with their cries of "buy a bunch of violets, mister." "Get a green carnation on St. Patrick's day. You're Irish, ain't you; get a green one," until the one solicited appealed frantically to the police.

## Moonvines.

*Ipomaea Multiflora*, best white Moonvine, for which we have a world wide reputation, now ready, 2 1-2-inch pots \$5.00 per 100.

## GODFREY ASCHMANN,

1012 West Ontario St.

PHILADELPHIA, : PA.

## New Chrysanthemum

## Mrs. Jane Cockburn

## EARLY PINK.

Ready for February and March delivery. Blooms first week in October. Beautiful mauve pink. Good keeper and shipper.

\$6.00 per 100; \$50.00 per 1000.

Five hundred at one thousand rate.

FIRST COME. FIRST SERVED.

SAMUEL COCKBURN & SONS,  
233rd St. and Verio Ave., Woodlawn,  
NEW YORK CITY.

LEWISTON, ME.—Ernst Saunders will soon begin the erection of another greenhouse, 200 feet long, at his plant on Upper Main street.

PORTLAND, ME.—The retailers are making great preparations for Easter and fine displays of plants in their windows. The prospects are good for a large trade for plants and flowers.

BERKELEY, CALIF.—The Gardening Association will give a flower show in this city some time during April. F. H. Meyer has been named chairman of a committee to formulate plans for such a show. The committee having charge of the distribution of seeds reports that 11,000 packages were sold to school children. They are to be planted at the homes of the children, while others were distributed for planting in the school yards.



# Vaughan's Special Offer

We extend you a cordial invitation to visit our Greenhouses and Nurseries, where you can see for yourself our immense stock of Palms, Araucarias, Ferns and other Decorative plants. Western Springs is one-half hour ride from Chicago on the C., B. & Q. R. R. Call at our City Store and get ticket.

## BOSTON FERNS

|             | Each   | Doz.   | 100     |
|-------------|--------|--------|---------|
| 6-in. pots  | \$ .75 | \$8.00 | \$67.00 |
| 7 in. pots  | 1.00   | 10.00  | 75.00   |
| 8-in. pots  | 1.25   | 14.00  | 100.00  |
| 10 in. pots | 2.50   |        |         |

## ASPARAGUS

|                        | 100     | 1000    |
|------------------------|---------|---------|
| Asp. Sprengeri, 2½ in. | \$ 3.01 | \$25.00 |
| " 3 in.                | 5.00    | 45.00   |
| " 4 in.                | 10.00   |         |

|                                          | Each   | Doz.   |
|------------------------------------------|--------|--------|
| Aucuba, Japonica variegated, 18 in. high | \$ .55 | \$5.00 |
| 24 to 30-in. high                        | 1.50   | 15.00  |
| Aucuba, Japonica type, 18-in. high       | 1.00   | 10.00  |

## Crimson Ramblers.

|                                                    | Per doz. | Per 100 |
|----------------------------------------------------|----------|---------|
| 2 years old, 2 to 3 feet, well branched, own roots | \$2.00   | \$15.00 |
| 2 years old, 2 to 3 feet, well branched, budded    | 2.00     | 15.00   |
| 3 years old, 3 to 5 feet, well branched, budded    | 3.00     | 18.00   |
| 4-inch pots                                        |          | 10.00   |

## Tausendschon.

|                                    | Per doz. | Per 100 |
|------------------------------------|----------|---------|
| 2-yr. old, dormant, grafted plants | \$3.50   | \$25.00 |

## Lady Gay.

|                          | Per doz. | Per 100 |
|--------------------------|----------|---------|
| 2-yr. old, dormant stock | \$3.00   | \$20.00 |

We have a fine lot of Palms in all sizes. See catalogue.

## CROTONS

We offer a choice collection of fancy sorts, well colored.

|            | Each   | Doz.   |
|------------|--------|--------|
| 3-in. pots | \$0.20 | \$2.00 |
| 4-in. pots | .35    | 3.50   |
| 5-in. pots | .50    | 6.00   |
| 6-in. pots | 1.00   | 10.00  |

## Azalea Mollis

|               | Each   | Doz.   | 100     |
|---------------|--------|--------|---------|
| 15 to 20 buds | \$0.50 | \$5.00 | \$40.00 |
| 40 to 50 buds | 1.00   | 10.00  |         |

## Baby Rambler.

|                             | Per doz. | 100      |
|-----------------------------|----------|----------|
| Dormant, field-grown        |          | 1000     |
| 1st size, selected, budded  | \$2.50   | \$16.00  |
| 3-years                     | \$16.00  | \$150.00 |
| 2nd size, selected, grafted |          |          |
| 2-years                     | 2.00     | 12.00    |
|                             |          | 100.00   |

## Deutzia

|                 |    |      |       |
|-----------------|----|------|-------|
| Lemoinei, 7-in. | 25 | 2.50 | 20.00 |
|-----------------|----|------|-------|

|                                           |      |        |
|-------------------------------------------|------|--------|
| Aralia Elegantiissima, fine stock, 5-inch | Each | \$1.00 |
| 6-inch                                    |      | 1.50   |

|                                | Doz.   | 100 |
|--------------------------------|--------|-----|
| Bush Box Trees, 15-18 in. high | \$4.00 |     |
| 20-24 in. high                 | 8.00   |     |

|                           |      |         |
|---------------------------|------|---------|
| Ampelopsis Veitchii, 2-yr | 1.75 | \$12.00 |
| 3-yr                      | 2.00 | 15.00   |

|                           | Per doz. | 100     | 1000    |
|---------------------------|----------|---------|---------|
| Clematis Panacula a, 2-yr | \$1.50   | \$10.00 | \$90.00 |
| 3-yr                      | 2.00     | 15.00   |         |
| 4-yr                      | 3.60     | 25.00   |         |

## ROSES

|                         | Per doz. | Per 100 |
|-------------------------|----------|---------|
| American Beauty, budded | \$2.00   | \$15.00 |
| Gen. Jack               | 1.75     | 14.00   |
| Mrs. John Laing         | 1.75     | 14.00   |
| Paul Neyron             | 2.00     | 15.00   |
| John Hopper             | 1.75     | 14.00   |
| Fisher Holmes           | 1.75     | 14.00   |
| Gen. Washington         | 2.00     | 15.00   |
| Gruss an Teplitz        | 2.00     | 15.00   |

## Hardy Perennial Plants

|                               | Doz.   | 100    |
|-------------------------------|--------|--------|
| Achillea Eupatorium           | \$1.00 | \$7.00 |
| Anchusa Angustifolia          | .75    | 5.00   |
| Aquilegia Chrysantha in var.  | .85    | 6.00   |
| Arabis Alpina                 | .85    | 6.00   |
| Fl. Pl.                       | .85    | 6.00   |
| Aster Preziosa                | 1.20   | 8.00   |
| Cardifolius                   | 1.00   | 7.00   |
| Laevia Pulcherimus            | 1.50   | 10.00  |
| Novae Belgiae Glory de Nancy  | 1.00   |        |
| Ryecroft Pink                 | 1.50   |        |
| St. Egwin                     | 2.00   |        |
| White Dwarf Queen             | 1.00   | 7.00   |
| Baptisia Australis            | .85    | 6.00   |
| Bocconia Cordata              | .85    | 6.00   |
| Boltonia Asteroides           | .75    | 5.00   |
| Buphalmium Cordifolium        | .85    | 6.00   |
| Campanula Medium Calycanthema | 1.00   | 7.00   |
| " Single Mixed                | 1.00   | 7.00   |
| " Double Mixed                | 1.00   | 7.00   |
| " Single White                | 1.00   | 7.00   |
| Catananche Coerulea           | .85    | 6.00   |
| Chelone Lyonii                | 1.25   | 8.00   |
| Chrysanthemum Maximum         | .85    | 6.00   |
| North Star                    | 1.25   | 8.00   |
| Larsoni (new)                 | 2.50   |        |
| Coreopsis Lanceolata          | .75    | 5.00   |
| Rosea                         | .85    | 6.00   |
| Daisy Shasta, California      | .85    | 6.00   |
| Westralia                     | .85    | 6.00   |
| Delphinium Chinenses          | .75    | 5.00   |
| " Album                       | .75    | 5.00   |
| " Kelway's Hybrids            | .85    | 6.00   |
| Dianthus Abbotsford           | 1.25   |        |
| Plumarius Cyclops             | .85    | 6.00   |
| Latifolius Coccineus pl.      | 1.00   | 7.00   |
| Plumarius double              | .85    | 6.00   |

|                                  | Doz.   | 100   |
|----------------------------------|--------|-------|
| Dianthus Perfection              | \$1.25 |       |
| " Her Majesty                    | .85    | 6.00  |
| " Semperflorens                  | .85    | 6.00  |
| Digitals Gloxiniaeflora, mixed   | 1.00   | 7.00  |
| " Maculata lveryana, spotted     | 1.00   | 7.00  |
| Echinacea Purpurea               | .85    | 6.00  |
| Erianthus Ravennae               | .85    | 6.00  |
| Eupatorium Ageratoides           | .85    | 6.00  |
| " Frazeri                        | .85    | 6.00  |
| Funkia Lancifolia                | .75    | 5.00  |
| Gaillardia Grandiflora           | .85    | 6.00  |
| " Kermesina Splendens            | 1.00   | 7.00  |
| " Grandiflora semi-pl.           | 1.00   | 7.00  |
| " Sulphurea                      | 1.00   | 7.00  |
| Festuca Glaucia                  | .85    | 6.00  |
| Gypsophila Paniculata, fl. pl.   | 1.00   | 8.00  |
| " double white                   | 1.00   | 8.00  |
| Helenium Autumnale superbum      | .85    | 6.00  |
| " Rubrum                         | 1.00   | 8.00  |
| Helianthus Multiflorus Max.      | .85    | 6.00  |
| " Sparsifolius                   | .85    | 6.00  |
| Heliopsis Pitcherianus           | .65    | 4.00  |
| Hemerocallis Dumortieri          | .85    | 6.00  |
| " Flava                          | .85    | 6.00  |
| " Kwanso fl. pl.                 | .85    | 6.00  |
| Hibiscus Crimson Eye             | .60    | 4.00  |
| " Moscheutos                     | .60    | 4.00  |
| Inula Ensifolia                  | .85    | 6.00  |
| Iris Pallida Dalmatica, Lavender | 1.50   | 10.00 |
| " each                           | 1.50   | 10.00 |
| Iris Mixed German                | .60    | 4.00  |
| Lavandula Blue Lavender          | 1.00   | 7.00  |
| Linum Flavum                     | 1.00   | 7.00  |
| " Perenne                        | .85    | 6.00  |
| Lathyrus Latifolius Albus        | 1.00   | 7.00  |
| " Rubra, red                     | 1.00   | 7.00  |

|                                  | Doz.   | 100    |
|----------------------------------|--------|--------|
| Lathyrus Pink Beauty             | 1.00   | 7.00   |
| Lobelia Cardinalis               | \$1.00 | \$7.00 |
| Lychnis Viscaria                 | .85    | 6.00   |
| Lysimchia Barystachis            | 1.00   | 8.00   |
| Mentha Mint                      | 1.00   | 7.00   |
| Monarda Didyma                   | 1.00   | 7.00   |
| Myosotis Palustris Semperflorens | .60    | 4.00   |
| Phalaris Arundinacea var.        | .75    | 5.00   |
| Physostegia Virginica            | .85    | 6.00   |
| Platycodon Grandiflora           | .85    | 6.00   |
| " Marietii                       | .85    | 6.00   |
| " Alba                           | 1.00   | 7.00   |
| Primula Veris Grandiflora        | 1.00   | 7.00   |
| " Harbinger                      | 1.00   | 7.00   |
| Pyrethrum Uliginosum             | .75    | 5.00   |
| Rudbeckia Golden Glow            | .85    | 6.00   |
| " Golden Ray                     | .85    | 6.00   |
| " Newmani                        | 1.00   | 7.00   |
| " Nitida                         | 1.00   | 7.00   |
| Sidalcea Rosy Gem                | 1.00   | 7.00   |
| Statice Latifolia                | 1.00   | 7.00   |
| Stokesia Cyanea                  | 1.00   | 7.00   |
| " Alba                           | 1.25   |        |
| Solidago Virgaurea Nana          | 1.00   | 7.00   |
| Sweet William, single mixed      | .85    | 6.00   |
| " Double mixed                   | .85    | 6.00   |
| " Red, double                    | 1.00   | 7.00   |
| " White                          | 1.00   | 7.00   |
| Tarragon True German             | .85    | 6.00   |
| Thalictrum Flavum                | 1.00   | 7.00   |
| Tradescantia Virginica           | .85    | 6.00   |
| Tritoma Pfitzeri                 | 1.00   | 7.00   |
| Tunica Saxifraga                 | 1.00   | 7.00   |
| Vinca Minor                      | .75    | 5.00   |
| Yucca Filamentosa                | .75    | 5.00   |

SPRING 'BOOK FOR FLORISTS!' ASK FOR IT.

## VAUGHAN'S SEED STORE,

NEW YORK.

All Plants f. o. b. Western Springs, Ill.

CHICAGO.

WESTERLY, R. I.—Conrad S. Schultz, who has been proprietor of the Elm street greenhouses for the past two years, has taken possession and is now operating the four large Smith greenhouses on Franklin street. The Smith houses are 25x120 feet and are practically new. The houses will be devoted to the raising of carnations and are now fully stocked with a fancy assortment of this flower.

BATAVIA, N. Y.—W. W. Stroh, of Buffalo, now with W. J. Palmer & Son, and his brother, Albert L. Stroh, will become associated with their father, Louis C. Stroh, under the firm name of L. C. Stroh & Sons, and begin the

erection at once of two greenhouses, 70x150 feet, at the junction of South Main and River streets. It is hoped to get the greenhouses ready for business early in the summer. The firm expects to engage in the wholesale and retail trade. Louis C. Stroh years ago lived here, being employed as a cooper. Afterward he moved to Attica, returning six years ago and buying the property where the greenhouses are now to be erected and putting up a dwelling.

WASHINGTON, D. C.—F. H. Kramer used a page for his advertisement in last Sunday's Times and about half a page in the Star of the same date.

## Cannas

King Humbert. Alphonse Bouvier.  
Chas. Henderson. Mile. Berat.  
Ex. Crampbell. Florence Vaughan.  
Mad. Crozy. Souv. de Antoine Crozy.  
Write for special prices, stating quantity wanted.

FRESH TOBACCO STEMS.

Bale of 300 lbs., \$1.75; ton, \$9.00.

W. C. BECKERT, Seedsman,

103 Federal St., N.S., PITTSBURG, PA.



Send for Price List of  
Ferns, Araucarias,  
Palms, Asparagus,  
and Bedding Plants.

ALSO

Wire Hanging Baskets:

D. U. AUGSPURGER & SONS CO., Box 778  
PEORIA, ILL.

**Vinca Variegata...**

R. C. 90c; \$8.00 per 1000. Extra fine.

**DBLE PETUNIA**

2-in. \$2.00 per 100

□ **Smlax**, 2-in., \$1.25 per 100. **Abutilons**, 3 kinds, 2-inch, 2½c. **Cuphea**, 2-in., 1½c. **Geraniums**, Double Grant, Buchner, Gen. Grant, 2-in., 2c. **Coleus**, 10 kinds. **Ageratum**, 3 kinds. \$1.50 per 100. **Swainsonia alba**, 2-in., 2c. **Snapdragon**, white and scarlet, 2-in., 2c. **Heliotrope**, Yellow **Daisies**, 2-in., 2c. **Rose Geranium**, 2-in., 2c. **Salterol Geranium**, 2-in., 3c.

**Feverfew**, double white, small plants, 75c; \$6.00 per 1000.

**Rooted Cuttings**, prepaid per 100. **Heliotrope**, \$1.00; **Fuchsia**, 8 kinds, \$1.00; **Paris Daisy**, yellow, white, \$1.00; **Cuphea**, 75c; **Vinca Variegata**, 90c; **Coleus**, 10 kinds 60c; **Alternanthera**, 3 kinds, 50c; **Ageratum**, 3 kinds 60c; **Swainsonia alba**, \$1.00; **DBL Petunias**, 10 kinds, \$1.00.

Cash with order.

**BYER BROS.**, Chambersburg, Pa.

Baltimore.

Weather seasonable, suns bright, all kinds of stock in cut flowers flourishing. Some Easter stock, supposed a few days ago to be short, will more than fill all demands. Roses are good and quite sufficient for calls; carnations have slackened off and there will be no Easter glut. Some of those coming in today show signs of having been rather retarded on their way. Valley will supply all inquiries, and hyacinths and tulips, narcissus, etc., will be very abundant. Plants of all sorts are abundant.

The Gardeners' Club, organized for the new year by electing the following officers: George Morrison, president; Wm. Christies, vice-president; N. F. Flitton, secretary; George Talbott, financial secretary; Fredk. G. Burger, treasurer. The membership of the club is on the increase and interest grows, it is said, in its operations. At the banquet held after the meeting, the dining hall was tastefully decorated with growing plants, and the tables carried large vases of fine carnations. Robert L. Graham presided at the dinner and called upon the speakers, all of whom urged the advantage and policy of increasing the number of members and the co-operation of all interested in floricultural interests. Mr. Morrison, the new president, is the gardener at Upland's, the country place of Mr. Jacobs, and recognized as an experienced rosarian and thorough all-around gardener.

Quite an animated campaign is being arranged for the improvement of the appearance of the back yards of the residences of the city, and the Municipal Art society is urging the adoption of more window and porch boxes to improve the effect of the fronts of city houses. If both these features of advanced taste are followed up the gain to the looks of the city will be great. S. B.

## Mrs. C. W. Ward

Mrs. C. W. Ward is a perfectly formed flower, with full center; color, deep pink, several shades lighter than Lawson, deeper than Winsor; having strong, erect stems 24 to 36 inches in length. A vigorous, healthy grower, and has never shown disease of any kind.

Price, Rooted Cuttings:—\$2.00 per 12; \$12.00 per 100; \$100.00 per 1000; 25 at the 100 rate; 250 at the 1000 rate.

Plants from 2-inch pots, \$15.00 per 100.

ALMA WARD ALL SOLD.

**Cottage Gardens Co., Inc.**

QUEENS, LONG ISLAND, N. Y.

Splendid SEED of

# Phoenix Roebelenii

Price on application to

**SANDER, Bruges, Belgium.**

## Carnations

Ready now. Victory, \$1.50; Lawson Enchantress, \$2.00; Bassett, \$3.50; and Fenn, at \$1.00 per 100. Ready the latter part of April. W. Perfection, R. Pink and Enchantress at \$1.50 per 100; Lawson and Winsor, at \$1.25 per 100.

### GERANIUMS

Ready early in April. Nutt, at \$10.00 per 1000; Poitevine and Ricard, at \$12.50 per 1000.

**PLUMOSUS**. Ready May 1st, at \$25.00 per 1000. **SPRENGER**. Ready now. Special size, ready for 4-in. pots, at \$5.00 per 100; samples for 10c.

**ALBERT M. HERR**, Lancaster, Pa.

### Well Rooted Carnation Cuttings

|                                | Per 100 | Per 1000 |
|--------------------------------|---------|----------|
| Enchantress .....              | \$2.00  | \$18.00  |
| Sarah Hill, white .....        | 4.00    | 35.00    |
| Lawson Enchantress, pink ..... | 2.50    | 20.00    |
| Lawson, pink .....             | 2.00    | 15.00    |
| W. H. Taft, red .....          | 4.50    | 40.00    |
| Beacon, red .....              | 3.00    | 25.00    |
| Victory, red .....             | 2.50    | 20.00    |
| Lawson, variegated .....       | 2.50    | 20.00    |

Cash with order or C. O. D.

**SCHIEDEN & SCHOOS**, Evanston, Ill.  
517 Asbury Ave..

FARGO, N. D.—C. D. Potter and wife, who have conducted a greenhouse and retail establishment here, have decided to go west.

YOUNGSTOWN, O.—In connection with the opening of the Guttridge store, March 11, many beautiful floral pieces were in evidence, gifts from various admirers and well-wishers of the firm. Among the donors and their gifts were the following: J. R. Klein & Co., Downing, Clark & Co., Harry Alt and Howell Powel, floral horse shoes, and Henry C. Biddle & Co., Saul Fliegenbaum, K. W. Hexter & Co., W. R. Peat, Harry Young and William Alsborg & Co., large baskets.

## A New Fern NEPHROLEPIS GIATRASI

Awarded a Certificate of Merit by the Horticultural Society of New York.

Prices: In 2¼-inch pots, \$3.50 per dozen; \$25.00 per 100; \$200.00 per 1000. 25 plants at 100 rates; 500 plants at 1000 rates. Orders delivered in rotation as received. Now Ready for delivery,

**GEORGE GIATRAS**, 463 Summit Ave., West Hoboken, N. J.

## SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums  
Carnations for fall delivery. Smlax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

**Wood Brothers**, FISHKILL, New York.

## LOOK

At our prices for A No. 1 stock of

**Roses, Ferns, Dahlias, Cannas, Hydrangeas, Peonies.**

See Classified Department.

Wagner Park Conservatories - Sidney, O.

**FUCHSIAS** There are none better than **Little Beauty**, Lord Byron, Kenan and White Beauty. Strong 2½-inch plants ready, \$4.00 per 100 New Heliotrope, Miss Bernice a sport of Mme. Brunt and a great improvement on the latter 2½-inch \$8.00 per 100.

Katalog for the Asking.

**SKIDELSKY & IRWIN CO.**

1215 Bets Bldg., PHILADELPHIA.

PA.





NOVELTIES.

**Emanuel Lias**—Mottled rose and white.  
**King Haakon**—Purple, dark blotch on lower petals.  
**King of Spain**—Reddish purple, light center.  
**Ladas**—Blush pink, upper petals blotched maroon.  
**Lady Churchill**—Blush salmon.  
**Prince Olaf**—Orange scarlet.

|                 |                               |        |         |
|-----------------|-------------------------------|--------|---------|
| Extra strong    | 2½-in. pots (ready for 3-in.) | \$1.50 | \$10.00 |
| “ “ “ “ “ “ “ “ | 3 “ “ “ “ 4 “                 | 2.00   | 12.00   |

**Countess**—Clear salmon, white center.  
**Dorothy**—Rosy salmon, blotched dark maroon.  
**Goldmine**—Bright orange, one of the freest.  
**Mme. Thibaut**—White, blotched maroon and rose.  
**Mme. Vibert**—Fiery red, blotched maroon, edged pink.  
**Mrs. R. Sandiford**—Pure white, double.  
**Marie Mallet**—White, blotched maroon.  
**Princess May**—Salmon rose, maroon blotches.  
**Sandiford's Best**—Beautiful pink, white margin.  
**Sandiford's Wonder**—Blotched white and red.  
**Surprise**—Fiery red, black blotches, white margin.  
**Tommy Dodd**—Lower petals blush, upper maroon and crimson.

**Mrs. Loyal**—The "Pansy Geranium."

**NEW YORK.** All plants f.o.b. Western Springs. "Spring Book for Florists." Ask for it. **CHICAGO.**

**For Immediate Delivery.**

**ENCHANTRESS, PERFECTION,  
BEACON, \$3.00 per 100; \$25.00  
per 1000.**

**ROSE PINK ENCHANTRESS**  
and **WINSOR**, \$2.50 per 100;  
\$20.00 per 1000.

We can fill orders from 1000 to 100,000 and guarantee the stock.

**J. D. THOMPSON CARNATION CO.,  
JOLIET, ILL.**

## New Method of Forcing Plants.

Most plants in temperate regions, where the cold of winter is severe enough to put an end to plant growth, have learned to take a rest in winter and this habit has become so thoroughly fixed that, even when dug up and kept in a greenhouse, such plants refuse to grow until they have finished their natural dormant period. By taking the plants up early in autumn and giving them a good freezing it has been found that they begin at once to grow. Evidently the cold has something to do with the acceleration of the resting process. A few years ago, it was discovered that by exposing plants to the fumes of ether or chloroform for a short time, they would grow exactly as they would if frozen or if allowed to finish their natural period of dormancy. Recently a German, Prof. Molisch, according to a botanical journal, has written a pamphlet in which he claims that the plants can be forced as well by warmth as by cold. In the new treatment, all that is required is to immerse the shoots of the plants to be forced, in water at a temperature of 30° to 35° centigrade (about 80° or 90° of the ordinary scale) for 10-12

## Kentia Seed

**Per S. S. Australis, to arrive this month. Also other**

## Palm Seeds for Immediate Delivery

|                             | Per 100 | 1000   | 10,000  |
|-----------------------------|---------|--------|---------|
| Kentia Forsteriana.....     | \$0 50  | \$1 50 | \$40 00 |
| "    Belmoreana.....        | 50      | 4 00   | 37 50   |
| Cocos Weddelliana.....      | 1 00    | 7 50   | 70 00   |
| Areca Lutescens.....        | 1 00    | 7 50   | 70 00   |
| Larania Borbonica.....      | 30      | 2 50   | 20 00   |
| Livistona rotundifolia..... | 2 00    | 17 50  |         |
| "    Chinensis.....         | 1 00    | 7 50   | 70 00   |
| Phoenix Canariensis.....    | 30      | 3 00   | 27 50   |
| "    Roebeleni.....         | 1 00    | 7 50   |         |
| Musa Ensete.....            | 1 00    | 7 50   |         |

**Prices on Larger Quantities upon application**

342 West 14th Street. Seedsman, NEW YORK.

|                                                      |        |         |                                                |                |
|------------------------------------------------------|--------|---------|------------------------------------------------|----------------|
|                                                      | 100    | 1000    |                                                | 100            |
| 8 varieties, my selection, 2½-in. pots.              | \$3 00 | \$25 00 | 10 varieties, 2½-in pots. Apr. 1               | \$ 2 00        |
| <b>Asp. Sprengeri</b> seedlings.....                 | 1 00   | 7 00    | 400 <b>Asp. Plumosus</b> , 2½-in pots          | 2 00           |
| <b>Double Petunias</b> , .....                       | 3 00   |         | <b>Alternantheras</b> , red and yellow. Apr. 1 | 2 00           |
| 10 varieties of <b>Cannas</b> , 3½-in. pots, Apr. 1. | 4 00   |         | <b>Pansy Plants</b> small .....                | \$2 50 per 100 |
|                                                      |        |         | <b>Pansy Plants</b> , large. Apr. 1            | 1 50           |

—Cash. No C. O. D.—

**JOS. H. CUNNINGHAM, Delaware, O.**

hours, after which they are to be kept in a dark moist chamber at a temperature of about 80° until they begin to

grow. Then they are brought into ordinary greenhouse conditions and bloom very quickly.



**EASTER LILIES****GIGANTEUMS**

Fine, clean, well foliaged plants, just right for Easter: 5 and 6-in. pots, 10c and 12c per bud.

**Hyacinths**, 4-in., 15c.

**Hydrangeas**. Prices on application.

**Paper Whites, Von Slons, Tulips**, 25c per 6-in. pot or pan.

**Single Violets**, cu flowers, \$7.50 per 1000.

**CRABB & HUNTER FLORAL CO.,**

GRAND RAPIDS, MICH.

**Pansies**

Stocky little plants of our best strain, \$2.00 per 1000; transplanted plants that will be in bloom for Easter, \$1.50 per 100; \$12.50 per 1000.

**DAISIES (Bellis)**, \$2.00 per 100.

**CINERARIAS and PRIMULA Obconica**, 4-in. pots, \$5.00 per 100.

**J. C. SCHMIDT**  
BRISTOL, PA.

**List of 200 Roses**

Bumper crops for spring delivery.

**THE LEEDLE FLORAL COMPANY**  
SPRINGFIELD, OHIO.

**Gladiolus Bulbs in Mixture**

First size, \$15.00 per 1000; second size \$10.00 per 1000; third size, \$8.00 per 1000; fourth size, (good planting stock) \$5.00 per 1000. This is one of the finest mixtures ever offered.

**FRANK BANNING,** Kinsman, Ohio.  
Originator of America and Niagara.

**Sympathy With the Soil.**

"Live plants. Handle with care," reads the label of the nurseryman, but did you ever think that good seeds are alive? The next time you are in a seed store take off your hat and do obeisance to those dry shelves! They contain potential, living individuals, needing but a touch of His finger who said: "I am the resurrection and the Life." These plant-babies are like our own, requiring, in proper ration, three things: moisture, air and warmth. Deprived of any one of these, the other two will only avail to destroy life. The housewife "preserves" by removing any one of the three. In the dried fruits, the moisture; in canning, the air; in refrigeration, the warmth. Proving that even the lower forms of bacterial life she would avoid; live by the same rule.

So of your garden; if so wet or solid that air can not freely enter the soil; if too cold or too dry—failure. Also this will be true of the opposite extreme, if too porous, too hot, or too wet. There must be proportion, that the struggling babe find comfort, and that his nurses, the soil-bacteria, may also thrive and provide his food.

Every secret or right soil, right season, right planting depth, the details of exposure—even most transplanting problems end in this study of "comfort" for living things. One must be sympathetic, and instinctively "feel" for them. You must see and hear their laughter and their plaints. Add but food to the three items above named and their "cup runneth over."

"But I've never had a garden in my life! What should you advice trying?" Anything—Collier's Weekly.

**CANNAS****Strong Dormant Roots**

**START YOUR CANNAS NOW FOR SPRING TRADE.** We have a fine stock of the best varieties, of our own growing, at exceptionally low prices:

|                                                                                                                                                                          | Per 100 | Per 1000 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------|
| Buttercup, Beaute de Poitevine, Florence Vaughan, Pierson's Premier, Rohallion, Robt. Christie, Souv. d' Antoine Crozy, Pennsylvania, Crimson Bedder and Frederic Benary | \$3 00  | \$25 00  |
| Golden King, Mlle. Berat, L. Patry, Austria, Robusta                                                                                                                     | 2 00    | 15 00    |
| King Humbert and Tarrytown                                                                                                                                               | 8 00    |          |

**Tuberous Rooted Begonias**

Separate colors—White, Pink, Scarlet, Crimson and Yellow.  
Single.....\$2 50 per 100 Double.....\$4 50 per 100

**CALADIUM ESCULENTUM**

Bulbs 6-9 in. circumference.....\$3 00 per 100 9-12 in .....\$6 00 per 100

**GLOXINIAS**

Finest mixed colors.....\$3 50 per 100 Separate colors .....\$4 50 per 100

**F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.**

**Carnations** **ROOTED CUTTINGS**

|                                           | Per 100 | Per 1000 |
|-------------------------------------------|---------|----------|
| Mrs. C. W. Ward                           | \$12 00 | \$100 00 |
| Alma Ward                                 | 15 00   | 125 00   |
| Mrs. J. C. Vaughan, Bay State and Georgia | 6 00    | 50 00    |
| Robert Craig, Afterglow and Enchantress   | 3 50    | 30 00    |

**New Crop Early Flowering Single Chrysanthemum Seed**  
and **Gold Medal Pentstemons**  
at 25c and \$1.00 per package.

**CHARLES H. TOTTY, Madison, N. J.**

**JUANITA, (Wah-nee-la)** A grand scarlet **Carnation**, with about a 3½-inch flower, well built up with a two foot stem.

**Its Strong Points Are:** Abundance of large, high grade flowers at all times; stem very stiff, with good habit in every way; keeping qualities are wonderful; burst blooms are rare. We have grown it 6 years and will still grow as many as we have now. We have **never over propagated** it, so its vitality is not impaired. Cuttings will be taken from flower stems which are the best. The color is so bright and rich it takes with every one. We have a very large stock. **Price:** Rooted cuttings \$8.00 per 100; \$60.00 per 1000. Special price in large lots. Unrooted stock half price. A discount of 5% for cash.

**THE FILLow FLOWER COMPANY,**

Westport, Conn.

**Ferns for Dishes...**

Assorted varieties, 2¼-in. pots, \$3.50 per 100;  
\$30.00 per 1000. Cash with order.

**FRANK OECHSLIN**

4911 Quincy St. CHICAGO.  
Mention the American Florist when writing

EVANSVILLE, IND.—J. D. Carmody, who has been under the weather for some time, is out and about again. He says he didn't die because he has a grudge against the undertaker.

GOSHEN, IND.—Miss Dora Brown, of the Colonial Flower Shop, will open a retail store at Gary in the near future. Miss Brown has leased a room in the new Gem building and purchased fixtures and supplies in Chicago. Miss Brown started here three years ago and has succeeded in building up a fine trade. She will still control the Colonial, leaving Miss Ruth Cripe in charge.

**CANNAS Started Plants.**

King Humbert, .....\$6.00 per 100  
Chas. Henderson and six other standard named varieties, .....\$2.00 per 100  
David Harum and Egandale, \$3.00 per 100

**W. W. COLES, Kokomo, Ind.**

**Young Roses ...**

Chrysanthemums, Cannas, Coleus, Geraniums and all Soft Wooded Plants.

**Ferns Ferns Ferns**

**GEO. A. KUHLE, Pekin, Ill.**

Wholesale Grower to the Trade.  
We shall have some Specials for Decoration Day

PITTSBURG, PA.—At the regular monthly meeting of the Botanical Society of Western Pennsylvania, held in the Herbarium room of the Carnegie museum March 10, an interesting paper was read by Prof. D. R. Sumstine. He had for his subject "Botanical Experiences and Investigations During the Past Year."



# BEGONIA LORRAINE

**Leaf Cuttings** For immediate Delivery. Stock in excellent condition. 100 at \$12 00; 500 at \$50.00. Prices for larger quantities on application.

## Bay Trees

Standards and  
Pyramids and

## Palms

## New Croton Fred Sander

A very striking variety. First Awards wherever exhibited. 3-inch pots, \$1.00 each; \$10.00 per doz.; 5-in. pots, \$2.00 each; \$20.00 per doz. Delivery from Apr. 1. Largest stock of established plants in America. Fresh imported plants from the woods now arriving. Write for prices.

In all sizes. Always on hand for Immediate Delivery. Write for Special Wholesale Price List.

## Orchids

**Stove Plants, Box Trees, Blue Spruce and other Evergreens.**

**JULIUS ROEHRS CO.,**

**Rutherford, N. J.**

## A FEW GOOD THINGS YOU WANT.

**Rex Begonia**, 2-in. \$5.00 per 100.  
**Asparagus Sprengeri**, 3-in. \$5.00 per 100  
**Geraniums**, Nutt. Doyle, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in. pots, \$2.00; 3-in., \$4.00 per 100; **Viaud**, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in. pots, \$2.50; 3-in., \$5.00 per 100; **Mme. Satteroi**, 2-in., \$3.00 per 100.  
**Asparagus Plumosus**, 2-in., \$3.00 per 100; 3-in., \$5.00 per 100. Cut fronds 25c per bunch.  
**Boston Ferns**, 5-in. 25c each. **Whitman Ferns**, 4-in. 25c each.  
**Cycas Palms**, 4 to 5 leaves, \$1.00, \$1.50 and \$2.00.  
**Vinca Var.**, 2-in. \$2.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order  
**GEO. M. EMMANS,** **Newton, N. J.**

## White Killarney, My Maryland, Pink Killarney.

Rooted cuttings and 2½-in. plants. Booking orders now for future deliveries. **The Right Place—The Right Goods—The Right Price—Come and See Them Grow.**

|                                 | R. C.  | 1000    | 100    | 2½-inch | 1000 |
|---------------------------------|--------|---------|--------|---------|------|
| <b>White Killarney</b> .....    | \$6 50 | \$60 00 | \$8 50 | \$75 00 |      |
| <b>Pink Killarney</b> .....     | 4 00   | 35 00   | 6 00   | 55 00   |      |
| <b>My Maryland</b> .....        | 4 00   | 35 00   | 6 00   | 55 00   |      |
| <b>Richmond</b> .....           |        |         | 5 50   | 50 00   |      |
| <b>Brides</b> .....             |        |         | 5 00   | 45 00   |      |
| <b>American Beauties</b> , 4 00 | 3500   | 7 00    | 65 00  |         |      |

3½-in. sizes will be offered, when ready, at 40% increase over 2½-in.  
You cannot afford to buy poor stock at 50% less.  
**CHRYSANTHEMUMS**, Rooted Cuttings and 2½-in. Good commercial varieties. Price lists will be mailed on request.

**Poehlmann Bros. Co., Morton Grove, Ill.**

## Neph. Whitmani

2¼-in ..... 5.00 per 100  
**MAGNIFICA** (new), 2¼-in... 25.00 per 100

**Boston Ferns** 2¼-inch, \$3.00 per 100.

**Henry H. Barrows & Son, Whitman, Mass**

## ASPARAGUS, Robustus

3-inch, strong, \$5.00 per 100. Per 100  
**Asparagus**, Sprengeri, 3-inch strong.....\$5 00  
**Smilax**, 2½-in. strong ..... 3 00  
**Vinca Var.**, 2½, 3, 4-in. .... \$3 00 \$5 00, 9 00  
**Geraniums**, Heteranthe and J. Doyle, 4-in... 7 00  
**Dormant Canna Roots**, Allemania, Pennsylvanica, Kate Gray..... 2 50  
**King Humbert**, New York..... 5 00

**WEST END GREENHOUSES,**  
**Hans Schmalz, Prop.** **Lincoln, Ill.**

**KLAMATH FALLS, ORE.**—It is reported that Brittan & Krause will begin without delay the erection of a greenhouse plant on the Enterprise tract adjoining the Mills addition in this city, utilizing, as is now done in the Lewis greenhouses, natural hot water from the splendid mineral springs there.

True to  
Type

## ORCHIDS

Direct from  
Collectors.

## April Importations.

**Cattleya Trianae**, Labiata, Gaskelliana, Schroederæ, Mossiæ, Mendelii, and Aurea; also **Miltonia**, Vexillaria and Roetzlii and all **Denrobiums** and **Phalaenopsis**. Received early give good growths and flowers the first season.

Write

**G. L. FREEMAN CO., Fall River, Mass.**

Successors to G. L. FREEMAN, Holyoke, Mass.

## ORCHID PEAT, (Osmunda Fibre)

Finest quality, hand cleaned, free from sticks and dirt.

In chunks or handpicked ready for use.

Also **Rotted and Azalea Peats**, **Leaf Mold**, **Live or Baled Sphagnum Moss**.

Prices and samples on application.

**THE C. W. BROWNELL CO.,**

**WALDEN, N. Y.**

## Orchids..

We have changed our domicile from Secaucus, N. J., to Mamaroneck, N. Y. We are largest collectors and importers of Orchids and are now booking orders for all the commercial **Cattleyas** for delivery next spring

**GARRILLO & BALDWIN, Mamaroneck, N. Y.**

## JOSEPH HEACOCK CO.

WYNCOTE, PA.

## Growers of Fine Kentias

Send for Price List.

## Snow-White Sport of

## Helen Frick Chrysanthemum

From 2¼-inch pots \$10.00 per 100.  
Rooted cuttings, \$8.00 per 100.

Unrooted cuttings, \$5.00 per 100.

**HENRY EICHHOLZ, Waynesboro, Pa.**

**MOLINE, ILL.**—Work is progressing well on the new greenhouse plant of Julius Staack & Sons. A boiler house has been finished, the boilers are being placed and a 60-foot stack is being erected. A house for the man in charge and two greenhouses, 400 feet long, have also been started.

## Orchids

Arrived in fine condition: **Cattleya Warnerii**, **C. Harrisonia**, **C. Gaskelliana** and **C. Gigas** (Hardyana type); also **Dendrobium Phalaenopsis**, **Schroederianum** and **Odontoglossum luteo-purpureum**.

**Lager & Hurrell, Summit, N. J.**

## Robert Craig Co..

HIGH  
CLASS **PALMS**

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

## Rooted Cuttings

| Per 100                           | 1000              | Per 100                          | 1000           |
|-----------------------------------|-------------------|----------------------------------|----------------|
| <b>Heliotropes</b> , \$1.00       | \$8.00            | <b>Petunias</b> .....            | \$1.25 \$10.00 |
| <b>Daisies</b> , white            |                   | <b>Salvias</b> .....             | 1.00 8.00      |
| and yellow, 1.00                  |                   | <b>Alyssum</b> , dbl.            | .80            |
| <b>Coleus</b> .....               | .70 6.00          | <b>Ageratums</b> .....           | .60 5.00       |
| <b>Feverfew</b> , \$1.25 per 100; | \$10.00 per 1000. | Express paid on rooted cuttings. |                |

**S. D. BRANT,**

**Clay Center, Kans.**

**CINCINNATI, O.**—Eight persons were seriously injured recently when a greenhouse at the Eden Park conservatories collapsed as a result of March winds. Every one of the two adults and six children who had sought shelter in the place from the wind, which amounted to a gale, suffered broken bones. Of those injured two are probably fatally hurt.



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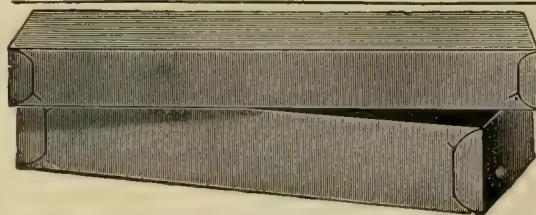
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**FICUS.**

Ficus elastica, 5-in., 35c each; \$4 per doz.; 6-in., 50c each; \$6 per doz. Pandurata, 6-in., \$2.50 each. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Ficus elastica, 22-24 ins., \$6 per doz.; \$50 per 100. Frank Oechslin, 4911 Quincy St., Chicago.

Rubber plants, 5 and 6-in., \$3 per doz. W. W. Coles, Kokomo, Ind.

**GENISTAS.**

Genista racemosa, 4-in., 30c each; \$3.25 per doz.; 6-in., 75c each; \$8 per doz. Vaughan's Seed Store, Chicago and N. Y.

**GERANIUMS.**

Geraniums, strong 2-in. stock, Heteranthe, Nutt, Jean Vaud, La Favorite, L'Aube, Hill, \$2 per 100; \$18 per 1,000. Our selection, \$17 per 1,000. Pamela, \$4 per 100. Anastasie Lecadre, \$3 per 100. Red Wing, the best novelty of the season, 25c each; \$2.50 per doz. Write for geranium catalogue. F. H. De Witt & Co., Wooster, Ohio.

Geraniums, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Vaud, Castellane, Poltevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$5 per 100. Mme. Sallerol, 2-in., \$3 per 100. G. M. Emmans, Newton, N. J.

Geraniums, standard vars., 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. Apple scented, 2-in., \$2 per 100; 3-in., \$3. Ivy leaved, 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr. & Sons, White Marsh, Md.

Geraniums, standard varieties, 2½-in., \$3 per 100; \$25 per 1,000; 3-in., \$6 per 100; \$50 per 1,000; 4-in., \$10 per 100; \$90 per 1,000; 5-in., \$15 per 100; \$140 per 1,000. Mosbaek Greenhouse Co., Onarga, Ill.

Geranium, Ricard, Nutt, Buchner, from 2 and 2½-in. pots, extra fine lot of strong, cool grown plants, \$2.25 per 100; \$20 per 1,000; mixed, \$2 per 100; \$18 per 1,000. Well packed. J. R. Brooks, Oxford Depot, N. Y.

Geraniums, dbl. Grant, Buchner, Gen. Grant, 2-in., 2c; Rose, 2-in., 2c; Sallerol, 2-in., 3c. Byer Bros., Chambersburg, Pa.

Geraniums, Heteranthe, Doyle, 4-in., \$7 per 100. West End Greenhouses, Lincoln, Ill.

Geraniums, 8 vars., 2½-in., \$3 per 100; \$25 per 1,000. Jos. H. Cunningham, Delaware, O.

Geraniums, Mme. Sallerol, 3-in., \$2.50 per 100. Wagner Park Conservatories, Sidney, O.

Geraniums, leading vars., 3-in., \$3.50 per 100. F. C. Riebe, Webster, Mass.

Geraniums, Nutt, \$10 per 1,000; Poltevine and Ricard, \$12.50. A. M. Herr, Lancaster, Pa.

**GREENS.**

Greens, cut palmetto and cypas leaves, galax, leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St. New York.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It



Greens, fancy and dagger ferns, \$1.75 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large Bales, \$1.25; Leucothoe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch, 50 lbs., \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, dagger and fancy ferns, \$1.50 per 1,000. Bronze and green galax, \$1 per 1,000; \$8.50 per 10,000. Leucothoe Sprays, \$1 per 1,000; \$7.50 per 10,000. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, hardy ferns, \$1.25 per 1,000. Baled spruce for cemetery use. L. B. Brague & Son, Hinsdale, Mass.

Greens, southern wild smilax, Log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cottonas & Co., 33 W. 28th St., New York.

## HARDY PLANTS.

Drer's special offer of hardy perennial phloxes. See page advertisement in this issue for prices and varieties. Henry A. Drer, 714 Chestnut St., Philadelphia.

Hardy perennial plants. For varieties and prices, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Perennials. All of the most desirable varieties. Let us know your wants. Wagner Park Conservatories, Sidney, O.

Hardy plants. Special prices on field-grown stock to close out. Write if interested. Mosbaek Greenhouse Co., Onarga, Ill.

Moonvines, 2½-in., \$5 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Perennials and other hardy plants. Palisades Nurseries, Inc., Sparkhill, N. Y.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

## HELIOTROPES.

Heliotrope, Miss Bernice, 2½-in., \$8 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Heliotrope, R. C., \$1 per 100; 2½-in., \$2.50. Mosbaek Greenhouse Co., Onarga, Ill.

Heliotrope, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Heliotrope, rooted cuttings, 75c per 100, prepaid. A. W. Higgins, Westfield, Mass.

## HYDRANGEAS.

Hydrangea Arborescens Grandiflora Alba. The true large flowering forcing variety, warranted true, 2½-in. pots, \$3 per 100; 1-year field-grown, strong, 12 to 18 inches, \$6 per 100; \$55 per 1,000. New trade list ready. Write for it today. The Good & Reese Co., The Largest Rose Growers in the World, Springfield, O.

Hydrangea Arborescens Grandiflora. We have the largest stock of strong 2-year plants in America. Plants 2 to 3 feet, \$2.50 per doz.; \$15 per 100; \$140 per 1,000. Good plants, 15 to 20 inches, \$10 per 100. List free. E. Y. Teas, Centerville, Ind.

Hydrangea Arborescens Grandiflora Alba (grown from stock obtained from The E. G. Hill Co.). Field grown 15 to 20 ins., \$7 per 100; \$65 per 1,000; a smaller size, \$5 per 100; 2½-in., \$3 per 100; \$25 per 1,000. John A. Doyle, Springfield, O.

Hydrangea Hortensis, heavy plants in 8-in. pots, \$12 per 100; 10-in., extra heavy, \$15. Wagner Park Conservatories, Sidney, Ohio.

Hydrangea paniculata Grandi, 18 to 24 ins., 6c; 2 to 3 ft., 9c. Dingee & Conard Co., West Grove, Pa.

Hydrangea paniculata, grandi, 18 to 24 ins., 6c; 2 to 3 ft., 9c. Dingee & Conard Co., West Grove, Pa.

## IVY.

Ivy, English, pot-grown plants, 4-in. pots, 3-ft. long, 3 to 5 branches, \$12 to \$15 per 100. A. L. Miller, Jamaica Opp. Schenck Ave., Brooklyn, N. Y.

Ivy, German and parlor, 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

## LANTANAS.

Lantanas, 5 vars., 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

## LILACS.

Lilacs. Jacs Smits, Naarden, Holland.

## LILY OF THE VALLEY.

### To Import

Lily of the valley. Jacs Smits, Ltd., Naarden Holland.

Lily of the valley, London Market, \$1.75 per 100; \$14 per 1,000. Premium, \$1.50 per 100; \$12 per 1,000. International, \$1.25 per 100; \$10 per 1,000. Vaughan's Seed Store, Chicago and New York.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

### From Storage.

Lily of the valley, cold storage, 250, \$3.50; per 1,000, \$13. W. C. Beckert, Northside, Pittsburg, Pa.

Lily of the valley. H. N. Bruns, 3040 W. Madison St., Chicago.

## LOBELIA.

Lobelia Kathleen Mallard, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

## MOSS.

Select Sphagnum for window dressing, long and clean; guaranteed first-class (2) 10 bbl. bales, \$5.50; (2) 5 bbl. bales, \$3.50. W. H. Stackhouse, Mgr., Waretown, N. J.

## MYOSOTIS.

Myosotis, early flowering, 3-in., \$3 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

## MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

Mushroom Spawn. Sure Crop, \$8 per 100 lbs. Weeber & Don, 114 Chambers St., N. Y.

## NURSERY STOCK.

Nursery stock, Norway maples, 14 to 18 ft. Rhododendron hybrids, 1-3 ft.; Maximum, 3-6 ft. Koster blue spruce, 4-5 ft. and 5-6 ft. Cal. privet, 2-3 ft., 3-4 ft. Fruit, shade and ornamental trees and shrubs. Morris Nursery Co., 1 Madison Ave., New York.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, Clematis, ampelopsis, tree hydrangeas, lilacs, shrubs, vines and perennials. Jackson & Perkins, Newark, N. Y.

Nursery stock, evergreens, shade and ornamental trees, shrubs, vines, trained, dwarf and standard fruit trees, grape vines, small fruits. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock arbor vitae (Thuja occidentalis), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, white pines, arbor-vitae, also hardy American plants. Harlan P. Kelsey, Salem, Mass.

Viburnum plicatum, 2 to 3 ft., 12c. Dingee & Conard Co., West Grove, Pa.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

## ORCHIDS.

Orchids importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchid peat, rotted azalea peat, leaf mold, live or baked sphagnum moss. C. W. Brownell Co., Waiden, N. Y.

Orchids. Largest stock in the country. Ask for prices. Julius Roehrs Co., Rutherford, N. J.

Orchids, all commercial, cattleyas and novelties, Carillo & Baldwin, Seacaucus, N. J.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids, G. L. Freeman, 388 Appleton St., Holyoke, Mass.

## PALMS.

Palms, Kentias, in 2½-in. pots, \$8 per 100; \$75 per 1,000. Jackson & Perkins Co., Newark, N. Y.

Palms, Kentias, Latanias, Phoenix. D. U. Augspurger & Sons Co., Peoria, Ill.

Palms, Kentias. Joseph Heacock Co., Wyncote, Pa.

Palms, Bobbink & Atkins, Rutherford, N. J.

## PANDANUS.

Pandanus utilis, 3-in., 10 to 12 ins., \$2 per doz., 4-in., 12 to 14 ins., 25c each; \$3 per doz.; 5-in., 16 to 18 ins., 50c; \$5 per doz.; 6-in., 18 to 20 ins., 75c each; \$9 per doz. Veltchil, 4-in., 50c each; \$6 per doz.; 5-in., 75c each; \$9 per doz.; 6-in., \$1 each; \$12 per doz.; 6-in., \$1.50 each; \$18 per doz.; 8-in., \$2.50 each; \$30 per doz. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

## PANSIES.

Pansy plants, large, extra strong, fall sown, from cold frames, in bud, German strain, \$2.50 per 100; \$18 per 1,000. H. S. Kelcher & Sons, Webster Grove, Mo.

Pansy plants, 50c per 100; \$2.50 per 1,000; large plants, \$2.50 per 100. Jos. H. Cunningham, Delaware, O.

Pansies, fine strong plants, \$5 per 1,000. Mosbaek Greenhouse Co., Onarga, Ill.

Pansies, German strain, \$2.50 per 1,000. F. C. Riebe, Webster, Mass.

Pansies, \$2 per 1,000. J. C. Schmidt, Bristol, Pa.

## PELARGONIUMS.

Pelargoniums, novelties, 2½-in., 25c each; \$2.50 per doz. Emanuel Lias, King Haakon, King of Spain, Ladas, Lady Churchill, Prince Olaf. Standard sorts, 2½-in., \$1.50 per doz.; \$10 per 100; 3-in., \$2 per doz.; \$12 per 100; Countess, Dorothy, Goldmine, Mme. Thibaut, Mme. Vibert, Mrs. R. Sandiford, Marie Mallet, Princess May, Sandiford's Best, Sandiford's Wonder, Surprise, Tommy Dodd, Mrs. Loyal. Vaughan's Seed Store, Chicago and New York.

Pelargoniums, Mme. Vibert, Sandiford's Surprise, Linda, Dorothy, Mme. Thibaut, strong, 2-in., \$8 per 100. F. H. DeWitt & Co., Wooster, Ohio.

## PEONIES.

PEONIES, Edulus Rosea, fine pink, \$4 per 100; Hamlet, red, \$5; Ivory, white, \$6; prices of other varieties on application. Wagner Park Conservatories, Sidney, O.

Peonies all vars., Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars., W. & T. Smith Co., Geneva, N. Y.

Peonies only by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

Peonies, a superb collection. Jackson & Perkins Co., Newark, N. Y.

## PETUNIAS.

Petunias, Drer's Single Superb and dbl. mixed, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr. & Sons Co., White, Marsh, Md.

Petunias, unrooted cuttings, 40c per 100; \$3 per 1,000; rooted, \$1 per 100; \$7.50 per 1,000. J. Lietzan, Geneva, Ill.

Petunias, dbl. fringed, 5 good vars., rooted cuttings, 1c; 2-in., 2½c. J. L. Schiller, Toledo, O.

Petunias, dbl. mixed, R. C., \$1 per 100; 2½ in., \$2.50. Mosbaek Greenhouse Co., Onarga, Ill.

Petunias, dbl., \$3 per 100. Joseph H. Cunningham, Delaware, O.

## PRIMULAS.

Primulas, Chinese and obconica, 3-in., \$4 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

Primula obconica, in fine bloom, \$5 to \$8 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Primula obconica, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

## PRIVET.

50,000 California privet and Ampelopsis Veltchil, field-grown. Benj. Connell, Merchantsville, N. J.

California privet, 10 to 15 inches, branched, \$10 per 1,000. Larger sizes at low rates. E. Y. Teas, Centerville, Ind.

## RHODODENDRONS.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

Rhododendron Catawbiensis, in car-load lots, Harlan P. Kelsey, Salem, Mass.

## RESURRECTION PLANTS.

Resurrection Plants.—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis E. Lester Company, Dept. L. S., Mesilla Park, N. M.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About it



**ROOTED CUTTINGS.**

Rooted Cuttings; Coleus, 10 varieties, 60c per 100; \$5 per 1,000. Salvia, 90c per 100; \$7.50 per 1,000. Double Petunias, \$1 per 100; \$9 per 1,000. Heliotrope, \$1 per 100; \$9 per 1,000. Ageratum, 50c per 100; \$4 per 1,000. Begonias (Gracilis), \$1 per 100; \$9 per 1,000. Birmingham Landscape and Nursery Co., P. O. Box 663, Birmingham, Ala.

Rooted cuttings: Heliotrope, \$1 per 100; \$8 per 1,000; daisies, \$1 per 100; Coleus, 70c per 100; \$6 per 1,000; Feverfew, \$1.75 per 100; \$10 per 1,000; petunias, \$1.25 per 100; \$10 per 1,000; salvia, \$1 per 100; \$8 per 1,000; alyssum, 80c per 100; ageratum, 60c per 100; \$5 per 1,000. S. D. Brant, Clay Center, Kans.

Rooted cuttings: Verbenas, 70c per 100; \$6 per 1,000. Mums, \$1.25 per 100; \$10 per 1,000. Daisies, white and yellow, \$1 per 100; \$8 per 1,000. Alyssum, 80c per 100; \$7 per 1,000. Feverfew, \$1.25 per 100; \$10 per 1,000. Mme. Sallerol, \$1.25 per 100; \$10 per 1,000. C. Humfeld, Clay Center, Kans.

Rooted cuttings, prepaid per 100: Heliotrope, \$1. Fuchsias, 8 kinds, \$1. Paris daisies, \$1. Cuphea, 75c. Vinca var., 90c. Coleus, 10 kinds, 60c. Alternantheras, 3 kinds, 50c. Ageratum, 3 kinds, 60c. Swainsona alba, \$1. Dbl. petunias, 10 kinds, \$1. Byer Bros., Chambersburg, Pa.

**ROSES.**

ROSES, field-grown, extra heavy. Vick's Caprice, Gen. Jacqu., Magna Charta, \$10 per 100. Cheshunt Hybrid, Jubilee, Ulrich Brunner, L. H. Stewart, M. of Lorne, \$8 per 100. Mme. Planter, Coq. des Blanchés, M. P. Wilder, Chas. Lefevre, Jules Mar-gottin, L. van Houtte, \$7 per 100. Crim-son Rambler, Phila. Rambler, \$10 per 100. Dorothy Perkins, M. Triumph, Jersey Beauty, Yellow Rambler, White Rambler, Seven Sisters, B. Belle, Queen Alexandria, \$5 per 100. Wagner Park Conservatories, Sidney, O.

Roses, White Killarney, R. C., \$6.50 per 100; \$60 per 1,000; 2½-in., \$8.50 per 100; \$75 per 1,000. Pink Killarney, R. C., \$4 per 100; \$35 per 1,000; 2½-in., \$6 per 100; \$55 per 1,000; My Maryland, R. C., \$4 per 100; \$35 per 1,000; 2½-in., \$6 per 100; \$55 per 1,000. Richmond, 2½-in., \$5.50 per 100; \$50 per 1,000. Bride, 3½-in., \$5 per 100; \$45 per 1,000. Am. Beauties, R. C., \$4 per 100; \$35 per 1,000; 2½-in., \$7 per 100; \$65 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

**ROSE PLANTS, 2½-INCH POTS.**

|                 |     |      |
|-----------------|-----|------|
| American Beauty | 100 | 1000 |
| Kaiserin        | 4   | 35   |
| Mrs. Jardine    | 5   | 45   |
| Killarney       | 5   | 45   |
| Bride           | 3   | 25   |
| Bridesmaid      | 3   | 25   |
| Richmond        | 3   | 25   |

**WIETOR BROS.**

51 Wabash Avenue, Chicago.  
Roses, 1,000 Helen Gould, 300 Pink Baby Ramblers, 500 Newport Fairy, 1,000 Dorothy Perkins, 12c. 2,000 Tausendschon, 20c. Sweetheart, Trier, Lady Gay, La Flamma, Debutante, Hlawathia, Taunus, 12c. The Dingee & Conard Co., West Grove, Pa.

Roses, all kinds. For prices and varieties see page advertisement elsewhere in this issue. A. N. Pierson, Inc., Cromwell, Conn.

Roses, rooted cuttings, Am. Beauty, \$4 per 100; \$35 per 1,000. Pink Killarney, \$2.50 per 100; \$20 per 1,000. Richmond, Bride, \$1.50 per 100; \$12 per 1,000. Geo. Reinberg, 51 Wabash Ave., Chicago.

Roses, grafted and own root, Killarney, Richmond, My Maryland, White Killarney, Kaiserin, Bride and Bridesmaid. W. H. Elliott, Brighton, Mass.

Rose, Flower of Fairfield, 3 to 6 shoots, \$11 per 100; \$100 per 1,000; 5 or more shoots, \$15 per 100. Schultheis Bros., Bad-Nauheim, Germany.

Roses of all kinds. For varieties and prices, see page advertisement in this issue. Arthur T. Boddington, 342 West 14th St., New York.

Roses, on own roots, budded, bedding, H. Ps., hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Taft rose, 2½-in., \$15 per 100. J. M. McCullough's Sons Co., 316 Walnut St., Cincinnati, O.

Beauty roses, 2½-in., \$5 per 100. Perle, 2½-in., \$3 per 100. J. F. Ammann, Edwardsville, Ill.

Roses, Bride, Maid, Golden Gate, 3-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

Roses, Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

Roses, leading varieties. Leedle Floral Co., Springfield, Ohio.

Rose Dorothy Perkins. Ellwanger & Barry, Rochester, N. Y.

Roses, 3-in., Wood Bros., Fishkill, N. Y.

**SALVIAS.**

Salvias, Zurich and Bonfire and Drooping Spikes, 2½-in., \$2.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Salvia Bavaria (the white Zurich) 1910 introduction, 2-in., \$1 per doz. J. L. Schiller, Toledo, O.

**SEEDS.**

HYBRID GERBERAS (Adnet's strain), Crop 1910, \$9 per 1,000 seeds; \$60 per 10,000 seeds, from the originator. Cash. Adnet, Antibes, France.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

ONION SETS. Choice, very sound, unsprouted sets, yellow, \$1.50; red, \$1.60 per bu. of 32 lbs. Sluis Seed Store, 544 W. 63rd St., Chicago.

Onion sets, White Bottom, Yellow Bottom, Red Bottom. Winterson's Seed Store, 45 Wabash Ave., Chicago.

Seeds, sweet peas, for varieties and prices, see advertisement elsewhere in this issue. Weeber & Don, 114 Chambers St., New York.

Seeds, onion, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, saffron. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, Phoenix Roebeleni. Sander, Bruges, Belgium.

Seeds, Cauliflower and cabbage. Hjalmar Hartman & Co., 31 Barclay St., New York, and 12 Stormgade, Copenhagen.

Seeds, Phoenix Roebeleni. Sander, T. Mellstrom, Representative, 235 Broadway, New York.

Seeds, specialties: Stocks, pansies, cyclamens, etc. Pape & Bergemann, Quedlinburg, Germany.

Seed, pansy, 1,000 seeds, 25c; 1 oz., \$2.25. H. Wrede, Luneburg, Germany.

Seeds, sweet peas, Christmas Pink and Denzer, \$2 lb. Chas. H. Totty, Madison, N. J.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, Landreth Seed Establishment, Bloomsdale Farms, Bristol, Pa.

Seeds, Vick's Quality, James Vick's Sons, Rochester, N. Y.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Vegetable seeds, plants, sold direct. Catalogue free. Glick Seed Farms, Lancaster, Pa.

Seed, asters. Vick & Hill, Box 4613, Rochester, N. Y.

Seeds, garden, field and flower. S. D. Woodruff & Sons, 82-84 Dey St., New York.

**Contract Growers.**

Seeds, asters, balsam, cyclamen, phlox, Primula sinensis, portulaca, verbenas, zinnia, pepper, tomato, etc. Hasslach, Villa Mimosa, St. Remy de Provence, France.

Seeds, peas, beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, field, garden and flower. Rout-zahn Seed Co., Arroyo Grande, Calif.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, sweet peas. Anton Zvolanek, Boundbrook, N. J.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Roh-nert, Gilroy, Calif.

Seeds, growers for the wholesale trade only. Braslan Seed Growers' Co., San Jose, Calif.

California seed contracts. Kimberlin Seed Co., Santa Clara, Calif.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

**SMILAX.**

Smilax, 2½-in., \$3 per 100; \$20 per 1,000. Vaughan's Seed Store, Chicago and N. Y.

Smilax, 2-in., \$1.25 per 100. Byer Bros., Chambersburg, Pa.

Smilax, 2½-in., \$3 per 100. West End Greenhouses, Lincoln, Ill.

Smilax. Wood Bros., Fishkill, N. Y.

**SPIREAS.**

Spirea Japonica, 6-in., 25c each; \$2.50 per doz. Vaughan's Seed Store, Chicago and N. Y.

Spireas. J. Smits, Ltd., Naarden, Holland.

**TRITOMAS.**

Tritoma Pfitzeri, red hot poker plant, 6c each. Mosbaek Greenhouse Co., Onarga, Ill.

**VEGETABLE PLANTS.**

Vegetable plants. Cabbage, Wakefield and Succession, \$1.50 per 1,000; Parsley, 25c per 100; \$1.25 per 1,000. Lettuce, Big Boston, Boston Market, Grand Rapids, \$1 per 1,000. Beets, \$1.25 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Vegetable plants from seed bed, cabbage, cauliflower, celery, egg-plants, lettuce, peppers and tomatoes. Special prices in large quantities. Write if interested. Mosbaek Greenhouse Co., Onarga, Ill.

**VERBENAS.**

Verbenas, 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Verbenas. J. L. Dillon, Bloomsburg, Pa.

**VINCAS.**

Vinca minor, the hardy vinca for cemetery planting and under trees, where grass will not grow; well rooted layers, \$1.50 per 100; \$10 per 1,000. E. Y. Teas, Centerville, Ind.

Vinca, 2½, 3 and 4-in., \$3, \$5 and \$7 per 100. West End Greenhouses, Lincoln, Ill.

Vinca variegated, field, \$4 per 100. F. C. Riebe, Webster, Mass.

Vinca variegated, 2½-in., \$2.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

**VIOLETS.**

VIOLETS, Baronne A. de Rothschild is making good everywhere, as the most free and most fragrant single in cultivation. Size and stem equal to Princess, color a shade darker. Rooted runners or divisions, ready in April. Book your order now, at \$6 per 100; \$50 per 1,000. F. W. Fletcher Co., Auburndale, Mass.

Rooted Violet divisions, Boston, \$10 per 1,000. Wales, \$6 per 1,000. Baronne Rothschild, 2½-in., \$5 per 100, A1 stock. George Corbett Violet Grower, College Hill, Station K, Cincinnati, O.

Violets, Princess of Wales, \$5 per 100. F. C. Riebe, Webster, Mass.

Violets. Wood Bros., Fishkill, N. Y.

**WISTARIA.**

WISTARIA SINENSIS. Nice thrifty plants, \$2.50 per 100; \$20 per 1,000. Wagner Park Conservatories, Sidney, O.

**STOCK WANTED.**

Wanted. Good 2½-in. Boston ferns. Will exchange bedding stock or perennials for same. Mosbaek Greenhouse Co., Onarga, Ill.

**MISCELLANEOUS.**

Pillsbury's Carnation Staple, 50c per 1,000 postpaid. I. L. Pillsbury, Galesburg, Ill.

**PHOTOGRAPHS.**

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

**POTS, PANS, ETC.**

"NUFF SED." Best red pots are made by Geo. E. Feustel, Fairport, Iowa.

The Red Pot. C. C. Pollworth Co., All roads connect with Milwaukee.

Pots, florist red. Peters & Reed Pottery Co., Zanesville, O.

Pots. Syracuse red. Syracuse Pottery Co., Syracuse, N. Y.

**STAKES.**

Cane Stakes. Standard grade 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000. Pipe stems about 6 feet, per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

**WIRE DESIGNS.**

Headquarters for wire work. Send for list. F. W. Ball, 31 E. 3rd St., Cincinnati, O.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It



# Just Because APHINE

Is not listed in your seedsmen's 1910 catalogue, it does not necessarily indicate that they do not yet handle our new insecticide.

In many instances the 1910 catalogues were on the press before the merits of APHINE became generally known.

## Ask Your Dealer for APHINE

Then if you find he cannot supply you with it, write us for names of our nearest selling agents.

\$2.50 per gallon; \$1.00 per quart.

Send for Descriptive Circular.

**Aphine Manufacturing Co.**  
MADISON, N. J.

Mention the American Florist when writing

Has stood the test of over a Quarter of a Century.

## THOMSON'S Vine, Plant and Vegetable MANURE

UNRIVALLED  
FOR

Vines,  
Tomatoes,  
Cucumbers  
all Flowering,  
Foliage and  
Fruit bearing  
Plants,  
Vegetables,  
Lawns, etc.



The result of  
many years  
practical  
experience.

PERFECT  
PLANT FOODS.

Sold by  
Leading  
American  
Seedsmen.

— ALSO —

Thomson's Special Chrysanthemum  
and Topdressing Manure.

Freight paid on quantities. Write for our  
special offer to the American trade, pamphlets,  
agents' circulars, etc., to sole makers.

WM. THOMSON & SONS, Ltd.,  
Tweed Vineyard, Clovenfords, Scotland

## Our New Baskets

For Spring Have Arrived.  
Catalogue in preparation.

Send for Photos NOW.

**The RAEDLEIN BASKET CO.**

713 Milwaukee Ave., CHICAGO.

# Ammoniated Lawn Lime

**Kills Weeds.**

**Makes Grass Grow.**

Applied as a light top dressing to lawns it kills all flat leaved weeds such as Dandelion, Daisy, Plantain, Sorrel, Chickweed, Moss, etc., in 48 hours and without other fertilizer produces a wonderful, luxuriant, rich, green growth of lawn grass—which is distinctly noticeable 50 feet away.

The use of Ammoniated Lawn Lime supersedes hand weeding of lawns, putting greens, etc. It saves the grass from being pulled up and in many cases ruined. Grasses take a new vigorous growth, avoiding probable trouble in the future.

**Quantities:** If very weedy 1-lb. to 40 square feet, 25-lbs to 1000 square feet, (20x50). Half to one-quarter amount if moderately weedy.

**ABSOLUTELY GUARANTEED.** Money refunded if not satisfactory.

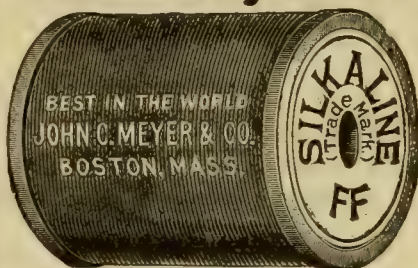
We want Seedsmen or Florists as agents and distributors in every important city and town.

**Retail Prices:** 2-lb. cans, 25c, 50 cans per case. 5-lb. cans 50c, 20 cans per case. Bags, 25-lbs. \$2.00; 50-lbs. \$3.50; 100-lbs. \$6.00; 1000-lbs. and over 5c per lb.

Descriptive Circular and Wholesale Prices on Request.

**SUPERIOR CHEMICAL CO.,**  
(Incorporated.)  
**Louisville. Kentucky.**

## The "Meyer Green Silkline"



is the only Green Thread that should be used by florists and growers. It is guaranteed full weight and full measure.

Also Violet Thread for tying up Violets. Price of both, \$1.25 per lb. express or freight paid in good sized orders.

**JOHN C. MEYER & CO., 1449 Middlesex St., Lowell, Mass.**

## Evergreen Brand Flower Fertilizer.

A Pure Plant Food immediately available. It permanently enriches the soil. It prevents the onslaught of plant diseases or insect pests. Can be used at any time during the growing season, dry or in solution. Put up in 12 pound cans, Price, \$2.00 each.

**For Sale by Leading Jobbers**

Further information can be obtained from

**D. D. JOHNSON CO.,** Manufacturers,  
64-66 Wabash Ave., CHICAGO.

## The Mastin Automatic Whitewash and Spraying Machine Is Reliable, Practical and Durable



The tank is made of galvanized sheet steel, and in brass. The pump is of brass throughout, simple and powerful. The mixing device keeps the contents of the tank well stirred up from start to finish.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

All parts are made to gauge and may be had for repairs.

Ask your dealer about our Extension Hose, Extension Rods, and the Mastin Whitewash Nozzle for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

**J. G. MASTIN & CO., 3124 West Lake St., CHICAGO, IL**



## WILKS' Hot Water Boilers

ARE THE MOST ECONOMICAL  
Boiler for Greenhouses

No Night Fireman Required  
with our

SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

S. WILKS MFG. CO.,  
3503 Shields Ave. CHICAGO.

## THE ALLIED TRADES

### A Heating Question.

ED. AMERICAN FLORIST:—

As we are putting up another greenhouse, and going to have a 2½-inch main, we ask your advice as to how many 1¼-inch returns it would require. The house will be 21x100 feet. The coldest we ever have here is 15°, and that for a few nights only.

Alabama.

H. B.

It is not possible to tell how much radiation will be required in a greenhouse without knowing what temperature is desired, but supposing that 60° is required and that the 2½-inch main passes through the house so that it will be available for radiation, it will be necessary to use five 1¼-inch returns. For 50° only four returns will be required. The above estimate is for steam heat.

L. R. T.

The Lord & Burnham Co., Chicago.

The formation of a Chicago corporation in connection with the well-known firm of Lord & Burnham Co., New York, is an event of much importance. Not only is a separate corporation formed but plans are about matured for a strictly modern, up-to-date factory to be built upon a site of 15 acres which the company has secured at Desplaines, Ill., a splendid location, being only about 17 miles from the heart of Chicago, yet well outside the city limits and high labor zone. The tract of land purchased is bounded on three sides by railways, one by the Wisconsin Central another by the Chicago and North-Western and the third by a belt line belonging to the latter company. Thus switch accommodations will be easily arranged connecting with all three lines and as the railway companies have promised Chicago freight rates to the new company—a matter of two cents per 100 pounds less than the freight to Desplaines—it will certainly be in a favored position in every way.

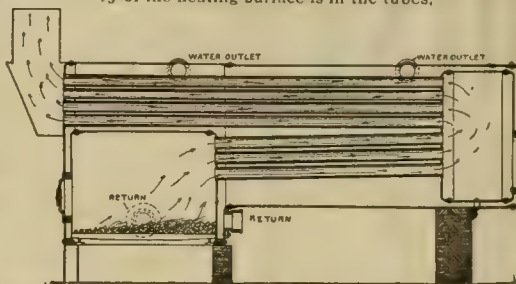
The idea in part, in building this factory near Chicago, is to enable the firm to compete on an equal footing with other local firms in the matter of shipping and freight and thus secure its share of the commercial florists' work which the New York house has been, to some extent, held out of. Geo. Sykes, the Chicago representative of the firm, has been in treaty with the village of Desplaines regarding the making and straightening of roads, water concessions and the like and the matter has, of course, led to a great mass of correspondence and other

## The Superior Standard

RETURN FLUE FIRE BOX BOILER

contains more heating surface, and less water space than any other steel boiler.  
2/3 of the heating surface is in the tubes.

Ask the man that knows the one using different style boilers—names are yours for the asking.



After using our boiler one season, you will say like all others: Nothing but "Superior" for me.

This boiler has given better satisfaction than any other boiler on the market  
MADE IN NINE (9) SIZES FOR HOT WATER.

Send for catalogue and list of growers that are using this boiler.

THE SUPERIOR MACHINE & BOILER WORKS, 840 -850 Superior St., Chicago.

## The KROESCHELL BOILER

IS THE ONLY PERFECT

HOT WATER BOILER.

(NOT CAST IRON)

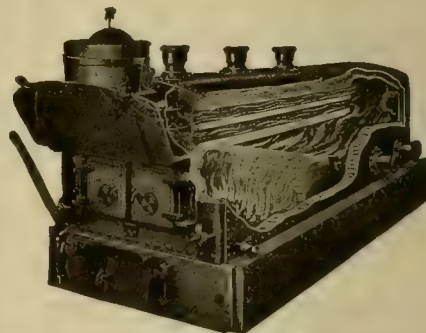
Has water in front, sides, top and a water back.

Made in 15 sizes, heating 6,000 to 50,000 square feet of glass to 60° at 15° below zero.

Prices and catalogue on application.

KROESCHELL BROS. CO.

452 W. Erie St. CHICAGO.



Use our patent  
Iron Bench  
Fittings and  
Roof Supports.

THE JENNINGS IMPROVED  
IRON GUTTER.

IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,

8 W. Corner Sixth and Berk Streets

PHILADELPHIA.

VENTILATING  
APPARATUS.

DAYLITE  
Glass Cleaner  
Will not injure paint or putty



ANDERSEN SPECIALTY CO.,

4648 Calumet Ave.,

Quick, == Powerful.

Leaves no Greasy Surface.

|                       | Per gal. |
|-----------------------|----------|
| 25 to 50 gallons..... | \$0 70   |
| 5 to 25 gallons.....  | 80       |
| Less.....             | 1 00     |

Phone  
Oakland 845.

CHICAGO.

work. The present plans are to build a foundry, wood working and erecting shops with the necessary buildings and offices. The main office will be at the extreme end of the property—if the plans go through—816 yards away, over a straight road, from the passenger station. The buildings will all be of modern construction, fireproof and the most up-to-date woodworking and other machinery will be installed. The country to be covered by the western house under Mr. Sykes' direction, will be Ohio, Kentucky, Tennessee, Alabama, Mississippi, Indiana, Illinois, Michigan, Louisiana and all points west of Chicago, a pretty comprehensive territory.

## Steel Return Tubular Boilers

The Most Economical Type of Boiler for Greenhouse Heating. Highly recommended by well-known florists.

JOHNSTON HEATING CO., 138 E. 31st St., NEW YORK.

KEEP A

## Holly Standard Circulator

busy and watch results.

SUB-TARGET GUN COMPANY

Steam Engineering Department.

216 High Street

BOSTON, MASS.



## THE STANDARD



### VENTILATING MACHINERY

The original machine with self-oiling cups. The most powerful, least complicated, very compact, with ease of operation.

### The New Duplex Gutter

Over six miles in use and highly recommended by all. The only Drip Proof gutter on the market.

### The Standard Return Steam Trap

It has no equals for simplicity or its working. Catalogue free.

E. HIPPARD, Youngstown, Ohio.

**MASTICA**  
FOR Greenhouse Glazing  
**USE IT NOW.**  
F.O. PIERCE CO.  
12 W. BROADWAY  
NEW YORK

MASTICA is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass, as occurs with putty. **LASTS LONGER THAN PUTTY.** Easy to apply.

Superior Quality.

Hand Made.

## Greenhouse Glass

Why not buy the best. Write us for discounts.

We can save money for you.

**BAUR WINDOW GLASS CO.**

Eaton, Indiana.

**Gorham & Chapline**

Printery Inc. CATALOGUES PRICE LISTS.

HALFTONES, ENGRAVINGS and PRINTING FOR FLORISTS.

358 Dearborn Street, CHICAGO.

**Holds Glass Firmly**  
See the Point  
**PEERLESS**  
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.  
**HENRY A. DREER,**  
714 Chestnut St., Phila., Pa.

### SIEBERT'S ZINC Never Rust GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes  $\frac{3}{4}$  and  $\frac{1}{2}$ . 40c per lb., by mail 16c extra; 7 lbs. for \$2.50 15 lbs. for \$5.00, by express. For sale by the trade.

**RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.**

ROCHESTER, N. Y.—The Highland Park greenhouses are in fine condition now and large crowds of visitors are there daily. The succulent plants are especially attractive. It is hoped that a sufficiently large appropriation will be forthcoming this year to increase the size of the greenhouse.

# Attention!! Glass Buyers!!

## GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.

Quality A. No. 1. Prompt shipments.

## Hooker's Greenhouse White Paint

The most durable white paint for this purpose.

Half barrels, (25 gallons), per gal. \$1.35. 5 gal. pails, per gal. \$1.40

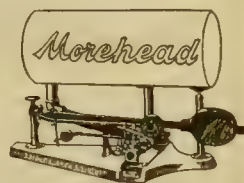
## H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone  
Monroe 4994.

651-659 Washington Boulevard, CHICAGO.

## Among Florists It is "THE MOREHEAD"



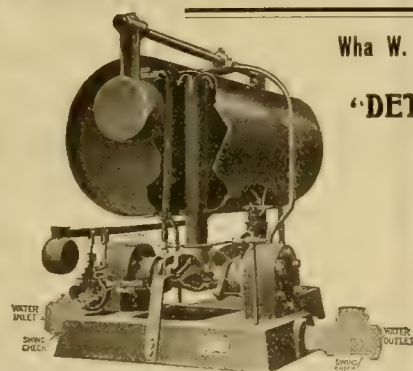
### WHY?

**BECAUSE** it is giving them service they thought could not be bought for money.

With an installation of a **Morehead Return Steam Trap** there begins a better growth of flowers, a more even temperature in your greenhouses, a decided decrease in your fuel bill and an infinite period of satisfaction.

Let us put your name on our list of "satisfied users." Our "Trap Book" sent on request.

**MOREHEAD M'F'G. CO.,** Dept. N, Detroit, Mich.



What W. J. Palmer & Son, Lancaster and Buffalo, New York  
HAVE TO SAY OF

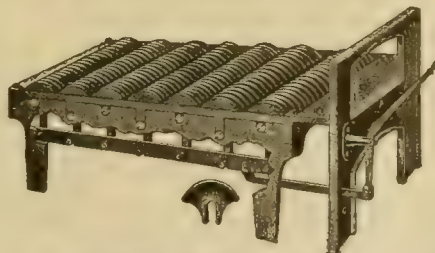
### "DETROIT" AUTOMATIC RETURN STEAM TRAPS.

"We have been using two of your 'Detroit' Traps the past winter on a Gravity System and find they keep the pipe clear of condensation, therefore making the return do as much as the flow. We are able to heat with less number of pipe than formerly and keep the houses far more even in temperature."

"DETROIT" Traps will do the same for you. Catalog No. 266 on Steam Traps.

**AMERICAN BLOWER COMPANY**  
DETROIT, MICH.  
U S A

## The Grate Does It!



Saves 10 to 25% of the coal your boiler is using.

Positive guarantee given

Send for circular "N" and our famous Lecture on Combustion.

**U. S. ROCKING GRATE BAR CO.,**

77 Jackson Boulevard,

CHICAGO.

PORTLAND, ORE.—Clarke Bros. have purchased the Gearin 10-acre tract on Division street for \$7,500.

NORTH DANVILLE, N. H.—Chas. P. Collins will have charge of Kingston Plains cemetery this year.



## Tobacco Paper

IS THE  
STRONGEST  
BEST PACKED  
EASIEST APPLIED

|                  |         |
|------------------|---------|
| 24 sheets.....   | \$ 0.75 |
| 144 sheets.....  | 3.50    |
| 288 sheets.....  | 6.50    |
| 1728 sheets..... | 35.10   |

# "Nico-Fume" LIQUID

OVER 40% NICOTINE

Furnishes the

Most Nicotine for the Money!

By far the  
CHEAPEST

JUST NOTE PRICES

|                |         |
|----------------|---------|
| Pint.....      | \$ 1.50 |
| ½ Gallon.....  | 5.50    |
| Gallon.....    | 10.50   |
| 5 Gallons..... | 47.25   |

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville Ky.

## Garman's Antipest

INSECTICIDE AND FUNGICIDE

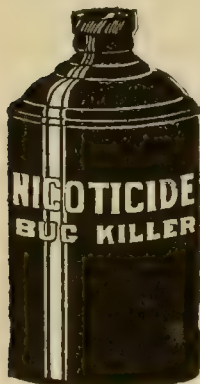
For the Garden, Orchard and Greenhouse

Non-poisonous and harmless  
to vegetation.

Kills Green Fly, Aphides, Bark Lice,  
Thrips Mealy Bug, Red Spider,  
Scale, Wire Worms, Ants  
and Slugs.

This is the grower's Friend Handy to  
use, cheap and effective, mix e readily in  
water. Destroys all insect pests and  
keeps down filth. Circulars on appli-  
cation. \$1.50 per gallon. Also in  
quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,  
FLUSHING, N. Y.



THE BEST  
Bug Killer and  
Bloom Saver

For PROOF  
Write to

P. R. PALETNORPE  
COMPANY,  
Owensboro, Ky

Glen Cove, N. Y.

The meeting of the Nassau County Horticultural Society was held in Pembroke hall, March 9 with over 30 members present, President Duthie in the chair. One application for membership was received and six new members elected, among whom were E. Stanley Brown, East Moriches and W. H. Hunt of Boddington's. We elected our first life member, Mortimer L. Shiff of Oyster Bay, and the following as honorary members: L. Tiffany, Emlin Roosevelt, M. Chandler Moore, all from Oyster Bay; A. G. Hodenpyle, Locust Valley; Colgate Hoyt, Centre Island; D. M. Munger, Glen Cove, and Congressman W. W. Cocks, of Washington, D. C. Credit is due our president for securing all those members for the society. There was also a shower of checks for our fall show. We were sure of the goods, now we are sure of the cash, which promises a most successful show. Messrs. Eccles, Robertson and McQuinn acted as judges with the following decisions: Roses, White, J. Everet. Pink, J. Everet. Any other color, G. Wilson, all three exhibits of superior merit. H. Gaut, first for sweet peas. Cultural certificates to R. Marshall for two beautiful cyclamens, J. McDonald for a splendid schizan-

## Sold by Seed Dealers all over America

Used 25 Years.



KILLS THE

Currant Worm,  
Potato Bug,  
Cabbage Worm,  
Slug on Roses,  
Caterpillars,  
Aphis on Roses,  
Bugs on Melons,  
Cut Worms,  
Sow Bugs,  
Lice on Fowls,  
Curculio on Plums,  
Tobacco Worms, &c.

For pamphlets on Bugs and Blight, write to

**B. HAMMOND, Fishkill-on-Hudson, N. Y.**

thus, Alex. MacKenzie for a grand vase of Golden Gate roses. I. Trepass for a fine specimen of Coelogyne cristata, which was a mass of blooms, making a most gorgeous display. Honorable mention to F. Petroccia for primula. A hearty vote of thanks was awarded to J. F. Johnston for a splendid exhibit of conifers. We are to hear from him next meeting in the form of an essay on evergreens. The next meeting will be at 7 o'clock. A summer show will be held June 15.

O. E. A.

green Flies and  
Black ones too

are easy to kill with  
The fumigating Kind Tobacco Powder  
\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back;  
why try cheap substitutes that makers do  
not dare to guarantee?

THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.



# FOR "POT LUCK" TRY US..

## HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOG AND DISCOUNTS.

A. H. HEWS &amp; CO.

Established 1765,  
CAMBRIDGE, MASS.452-460 No. Branch St.,  
CHICAGO ILL.Pearson Street,  
LONG ISLAND CITY, N.Y.

## THE ART OF Floral.... Arrangement.

The first special newspaper in  
the world for floral arrangement.

400 Partially Colored Illustrations Annually.

Specimen number free.

Subscription, \$2.90 yearly.

BINDEKUNST-VERLAG,

J. Olbertz, ERFURT, GERMANY.

Now is the Time

To Subscribe to the

Horticultural Trade Journal

Published weekly. The Largest  
Brightest and Best British Trade  
Publication. Also

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Published quarterly. Annual sub-  
scription for weekly and quarterly  
numbers, One Dollar. (Interna-  
tional money order). Subscribe  
today and keep in touch with  
European markets and topics.The Horticultural Printing Company,  
BURNLEY, ENGLAND.

## Florists' Refrigerators

Write us for catalog and prices, stating  
size you require, and for what kind of cut  
flowers you wish to use the refrigerator;  
also state whether you wish it for display  
or only for storage.

McCray Refrigerator Co

960 Mill Street,

KENDALLVILLE, IND

Mention the American Florist when writing

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO

MANUFACTURERS

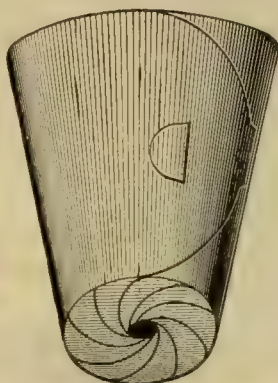
PHILADELPHIA, PA.

Mention the American Florist when writing

## Kramer's Pot Hangers

For sale by Wholesale Seedsmen, Florists  
and Supply Dealers.Price, \$1.00 per dozen by express. Sample  
dozen by mail, \$1.25.

I. N. KRAMER &amp; SON, Cedar Rapids, Iowa



## NEPONSET PAPER POTS.

HEADQUARTERS

VAUGHAN'S SEED STORE,

Waterproof,  
Don't Break,  
Cost Little.

Chicago and New York.



## SYRACUSE RED POTS

Prompt shipments guar-  
anteed. We have a large  
stock of well made and  
well burned pots on hand  
for the trade of 1910. Our  
terms are as good as the  
best. Our catalogue on  
application.

SYRACUSE POTTERY CO.

SYRACUSE, N. Y.

Mention the American Florist when writing

## Those Red Pots

"STANDARDS"

Full size and wide bottoms.

BULB PANS and AZALEA POTS

DETROIT FLOWER POT M'FY

HARRY BALSLEY,  
Rep.Detroit, Mich.  
490 Howard St.

## Standard Flower Pots

Porosity and Strength  
Unsurpassed.

Write for prices.

A. F. KOHR

2934-36-38 Leavitt St.,

CHICAGO

COLUMBIA, S. C.—Edward Hatch, of  
Boston, who came here in search of  
health, died March 14. Mr. Hatch was  
a real estate auctioneer and formerly  
treasurer of the Boston Gardeners' and  
Florists' Club.

## Standard Flower Pots!

Packed in small crates, easy to handle

| Price per crate              | Price per crate             |
|------------------------------|-----------------------------|
| 1500 2-in., in crate, \$4.88 | 144 6-in., in crate, \$3.16 |
| 1500 2 1/4 " " 5.25          | 120 7 " " 4.20              |
| 1500 2 1/2 " " 6.00          | 60 8 " " 3.00               |
| 1000 3 " " 5.00              | 48 9-in., in crate, \$3.60  |
| 800 3 1/2 " " 5.80           | 48 10 " " 4.80              |
| 500 4 " " 4.50               | 24 11 " " 3.60              |
| 456 4 1/2 " " 5.24           | 24 12 " " 4.80              |
| 320 5 " " 4.51               | 12 14 " " 4.80              |
| 210 5 1/2 " " 3.78           | 6 16 " " 4.50               |

Seed pans, same price as pots. Send for price  
list of Cylinders for Cut Flowers, Hanging  
Baskets, Lawn Vases, etc. Ten per cent off for  
cash with order. Address

HILFINGER BROS. POTTERY: Fort Edward, N.Y.

or AUGUST ROLKER &amp; SONS, New York Agents

31 Barclay Street, New York City.

Mention the American Florist when writing

## All The Clay

FOR OUR

## Florists' Red Pots

Is prepared by passing through a screen  
1600 meshes to the square inch. If in a  
hurry for pots order from us. We ship  
over five lines of railroad, by river or  
interurban. Write for catalogue showing  
all the articles we make for florists' use.

THE PETERS &amp; REED POTTERY CO.

ZANESVILLE, OHIO.



GEO. KELLER &amp; SON,

Manufacturers of

## Red Pots

Before buying write for prices.

2614-2622 Herndon St.,  
CHICAGO.Always mention The American Florist  
when you order stock. : : :



## Superior Crimped Invisible Carnation Staple

(PATENT APPLIED FOR.)

For repairing split carnations. 1000 for 50 cents  
Postpaid.L. J. WAITE, 293 Main St., Springfield, Mass.  
Mention the American Florist when writing

## The Regan Printing House

LARGE RUNS OF  
CATALOGUES

OUR SPECIALTY

WRITE FOR FIGURES.

91 Plymouth Place, CHICAGO

## Eagle Machine Works

Richmond, Ind.

Manufacturers of Ring Stakes  
for small plants,

Richmond Carnation Supports.

Rose and Mum Stakes.



## Wired Toothpicks

10,000, \$1.75; 50,000, \$7.50. Manufactured by  
W. J. COWEE, BERLIN, N. Y.

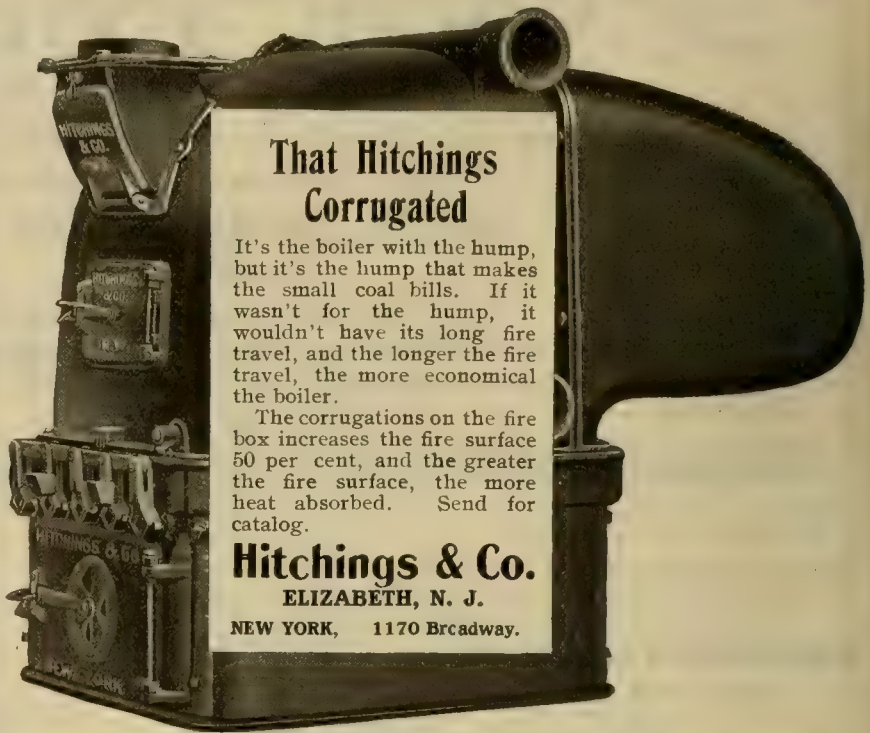
Sample free. For sale by dealers.

Grand Rapids, Mich.

At Crabb & Hunter's, preparations for Easter are going on apace and the lilies, with the exception of a large batch of Harrisii, are looking fine. These bulbs were bought as gilt edge stock but very few good blooms will be produced though they were treated the same as the Giganteums, which are elegant plants now and producing fine flowers. Colour Cardinal tulip is highly thought of here for forcing. They had it in perfect condition January 4 and as good in color as this beautiful variety is in the open ground in May. The hydrangeas look like being in for Easter, while rambler roses and other pot stock will certainly be on time. The single violets here are a sheet of color and look remarkably well.

Henry Smith's houses are in fine condition now, the crops being all in good time for Easter except the lilies, which are a little behind. The pot plants are in fine order, specimen hydrangeas, primulas, cinerarias, spireas, rhododendrons and azaleas being finely flowered and good plants all ready for the Easter demand. In the cut flower section carnations and violets are especially good and we noted some extra heavy Asparagus plumosus and smilax strings 13-14 feet long. Local trade has been excellent here and Mr. Smith reports a lot of inquiries from out-of-town.

J. Schols has a grand lot of single violets and his benches of the double Lady Campbell are also in fine trim. We did not know that "Red Violets" had spread to Michigan but we found them here all right. Mr. Schols having called our attention to the highly colored radishes in the violet beds. We did not hear of any kick coming from the retailers on this account. It will be no trouble for Mr. Schols to cut from 15-20,000 of the blue violets per day for the next two weeks or so.



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ELIZABETH, N. J.

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40,000 Glazed "Louisiana Red Cypress" sash, 3x6 ft., best quality.....Each 1.65  
Complete Hot Bed Outfits, including subframe, top frame and sash,  
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35th and Iron Sts., Chicago.

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"ASK THE MAN WHO HAS ONE"

Cochrane & McKay, Chicago, Ill., two 21 ft.  
by 141 ft.

H. E. Asplin, Rocky River, O., 54 ft. by 175 ft.

Wm. Kriegler, Lansing, Mich., 28 ft. by 100 ft.

C. F. Maler, Denver, Colo., two 21 ft. by 100 ft.

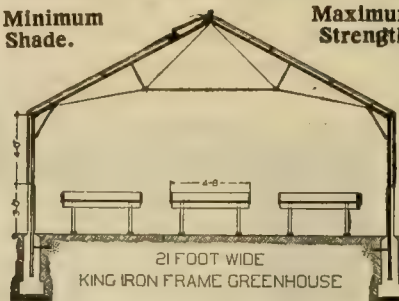
F. Tegerler, Denver, Colo., 25 ft. by 125 ft.

C. Brehmer, Chillicothe, O., 42 ft. by 175 ft.

F. Witthuhn, Cleveland, O., 30 ft. by 66 ft.

F. F. Crump, Colorado Springs, Colo., 21 ft.  
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F. Holberg, Denver, Colo., three 25 ft. by 125 ft.

Walla Walla Floral Co., Walla Walla, Wash.,  
two 32 ft. by 100 ft.

Less Expensive to Erect Than Wood.

## King Construction Co., North Tonawanda, N. Y.

Eli Cross has a grand lot of lilies that will be just in time for Easter. His plant stock, too, is in excellent shape, fine specimens in all the most

popular kinds being noted. Prospects here for Easter are excellent, good advance orders having been received.

TRAVELER.



# THE AMERICAN FLORIST



*America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."*

Vol. XXXIV.

CHICAGO AND NEW YORK, APRIL 2, 1910.

No. 1139

## THE AMERICAN FLORIST

TWENTY-FIFTH YEAR.

Copyright, 1910, by American Florist Company.  
Entered as Second-Class Matter Nov. 11, 1891,  
at the Post Office at Chicago, Illinois,  
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

**AMERICAN FLORIST COMPANY,**

324 Dearborn St., Chicago,

Long Distance Phone: Harrison 7465.

Eastern Office: 1133 Broadway, New York.

Philadelphia, Pa.: Robt. Kift, 1725 Chestnut St.

Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a year; Canada, \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from the trade. Volumes half yearly from August, 1901.

Address all correspondence, subscriptions, etc., American Florist Co., 324 Dearborn St., Chicago.

### SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—F. R. PIERSON, Tarrytown, N. Y., Pres.; FRED W. VICK, Rochester, N. Y., Vice-Pres.; H. B. DORNER, Urbana, Ill., Sec'y; WM. F. KASTING, Buffalo, N. Y., Treas. Next meeting at Rochester, N. Y., August, 1910.  
Second National Flower Show, Boston, Mass., March, 1911.

### THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at Boston, Mass., March, 1911. FRED. BURKI, Pittsburg, Pa., President; A. F. J. BAUR, Thirty-eighth St. and Senate Ave., Indianapolis, Ind., Secretary.

### AMERICAN ROSE SOCIETY.

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### AMERICAN PEONY SOCIETY.

Seventh annual meeting at Horticultural Hall, Boston, Mass., June 1910. B. H. FARR, Reading, Pa., Pres.; A. H. FEWKES, Newton Highlands, Mass., Sec'y.

**Turn Your Surplus Stocks Into Cash By Advertising in the Ready Reference Department.**  
**See Page 511.**

## HALF HOUR CHAPTERS FOR PLANT GROWERS

### Geraniums for Bedding.

Up to now the Easter plants have been taking up a good deal of room, and the grower has not been able to repot his bedding geraniums. But as soon as these are out the geraniums must have attention. We like to spread the plants out a little and give plenty of air for a day or two before potting, as it hardens the plants a little before disturbing the roots. Still, when time cannot be found for this it is not important and a portion of a bench can be cleared and the plants set back on it as they are potted. This potting, into 3½-inch or 4-inch, should be firm, as no further potting will be done and they still have quite a good deal to do. If the plants have drawn at all, it will be necessary to pinch the points to insure the side shoots breaking, but if they are already of good shape this will not be necessary. In setting them back, give them all the room possible, and if they are drawn either way, stage them pointing away from the light, so they will grow into shape. The small pots, out of which the plants are taken, should be laid out to dry, as there will probably be later batches in the sand ready for potting and these can also have attention. Careful attention to the ventilation for this young stock will be necessary for a few days after repotting, but when once re-established in the pots the plants will need all the air possible to induce a sturdy, hard growth, and the oftener they are picked over and given a new stand, the better, as it tends to make the plants a better shape than if allowed to grow straight up.

### Shading Plants in Flower.

Nothing so quickly takes the color out of azaleas, bulbous stock and other flowering plants as bright sunshine, such as we are likely to get now, following dull weather, and it will be necessary to shade them regularly. Some growers content themselves with whitewashing the roof, but a covering, just above the plants, of thin, cheap muslin is far better. Suspended about

a yard above the heads of the plants, this material not only keeps the color in the flowers but, in the case of light colored and white flowers, it prevents dust settling on them and disfiguring them. Dust will blow in through the roof even of the best constructed houses, and in or near large cities the sooty deposit from soft coal renders it impossible to keep the flowers clean without some such protection. And it may be noted that a blemish of this kind is a serious one in the eyes of first-class retailers who handle the plants, and shows up much more plainly in the retail store, where everything is spick and span, than in the green-houses. From now on it will probably be necessary to shade all the time and, even if there are not always sufficient flowering plants to fill the space, there are always some plants that need retarding, or newly potted stock that needs the shade, to fill up, so that it is not necessary to take the shading material up and down frequently.

### Fibrous Rooted Begonias.

The free flowering nature of the fibrous rooted, small growing begonias is well known, and this must not be further encouraged by allowing the plants to become pot-bound, or they will not make a free growth. In a batch of seedlings there is always considerable variety, and we have selected those of best growth and color of flowers for stock. But unfortunately, the two things are not always combined and the plants with the finest color flowers are only too often either weak in growth or tall and lanky, and have not the bush form and many shoots that are desirable in this class of plant. While, as noted above, the plants do not like to be pinched for pot room, they should not, on the other hand, be given too much. The roots, while fairly vigorous, are not of a nature to enwrap and take possession of large quantities of soil; nor is it necessary, for in many cases, they have to be planted in window boxes, vases and other similar positions, and the smaller, in reason, the pots are the



better. Give the plants a good light position and allow plenty of air, a cool and only moderately moist atmosphere suiting them best.

#### Cyclamens.

The cyclamen grower will have to get busy now, for if good stock is to be produced by Christmas the plants will have to be kept going at a good pace right along. This does not mean that forcing conditions have to be resorted to, for these are not suitable for cyclamens. What they want is to be kept growing steadily all the time, from the time the seedlings appear above ground until the plants are finished. What the old growers lost, with their system of growing and resting—or roasting—is easily seen in the handsome specimens now grown in about 12 months, or a little over, simply by the natural method of letting the plants go on and take their proper course. The cyclamen likes light in winter and shade in summer, equable temperature and atmospheric conditions all the year round, as far as possible, and there you are—that is all there is to it from that point of view. As to soil, they like a good, holding loam, enriched with well-dried cow manure, or some other good fertilizer, and held in proper mechanical condition by the addition of some hard, gritty substance as sand or road grit, finely broken crocks, or anything that forms a buffer to the moisture and gives the roots a chance to breathe. The forwardest plants are now getting established in 2-inch pots and we have them on a bench quite a little distance from the glass, rather farther than we like, in fact, and they will be raised as soon as we can get around to it. The reason for putting them there was that

after potting, a very severe frost occurred, and if placed on the shelves close to the glass the rapid change of temperature may cause a check to their growth, which is very undesirable just now. But just as soon as the weather moderated the plants were put up close to the glass, where they will have to be watched carefully for water at the root and shaded lightly as soon next month as the sun gains power enough to injure the foliage. This about sums up the situation for the grower of these plants during the next month.

#### Hardwooded Plants

It is just at this time, between the seasons, that growers of hardwooded plants, such as heaths, epacris, boronias, and similar stock are apt to neglect their plants because of lack of room or lack of time to attend to them. It is too early to place them outdoors and the temperature inside is likely to rise too high for the plants. The proper place for them now, whether young stock or old plants, is on a cool, moist bottom of ashes in a house not shaded but well ventilated night and day. This will insure the roots drying out regularly and taking moisture, which is absolutely necessary to their well being. Plants that keep constantly moist have something wrong at the root, and it is up to the grower to find out what it is and find out pretty quickly if he is going to raise them, for these plants are too sensitive and the roots too small to stand extremes of either moisture or drought for long. Possibly the drainage may be wrong or worms may have worked up into the soil, and if they are badly injured the plants may just as well be thrown

away, for they will never pay for keeping. To do any good with this class of plants they must be kept healthy and growing from the start, and the only way to do this is to keep them in a cool, light, airy house during winter, and water carefully, thoroughly soaking every inch of the soil when watering and giving no more until it is getting on the dry side again. In summer the plants should be grown in a sunny position outdoors, but the pots must be covered with ashes (plunged) to keep the heat of the sun from burning the roots.

## THE RETAIL TRADE

#### Home Wedding Decorations.

Among the most interesting and profitable work a retailer has to do is the decoration of homes for wedding celebrations. It brings him into close personal contact with his customers and, if well carried out, establishes a confidence that insures a continuation of their patronage not only for this class of work, but for anything else that may be needed. The very nature of the work prevents anything like general rules being laid down for it. The amount of money the customer wishes to pay, the style and character of the rooms and the wishes of those connected with it have all to be considered in preparing a scheme for decorations, but the decorator should have a scheme prepared and work in conformity with it all through. In the majority of cases it is usual to have each room treated with one color outside of the green used, but this rule, too, is frequently broken and the florist must study the taste and orders of his patron, unless he is given *carte blanche*, in which case he must use his own judgment and make the most artistic and pleasing decorations he is capable of.

Unfortunately florist decorators often get into a rut and carry out the same scheme, or at least the same style of decorations, on all and sundry occasions. It is well to have a distinctive style, but let the details of the scheme be changed as often as possible. The use of plants for mantels and other prominent parts of the rooms is not as popular as it once was, especially in rooms or homes of moderate dimensions. In large halls and corridors, reception rooms and salons where the style of indoor architecture needs them, large palms and foliage plants have a noble appearance and are suitable, but in many smaller rooms a few vases of cut flowers and a pedestal plant or two are more in keeping. Still many people prefer the former and like their mantels draped with vines and enlivened with flowering plants. In this case see that the plants are of a light and elegant character, that the mirrors on the mantels are draped, not hidden, and that the vines used are light and elegant, not heavy in comparison with the room fittings.

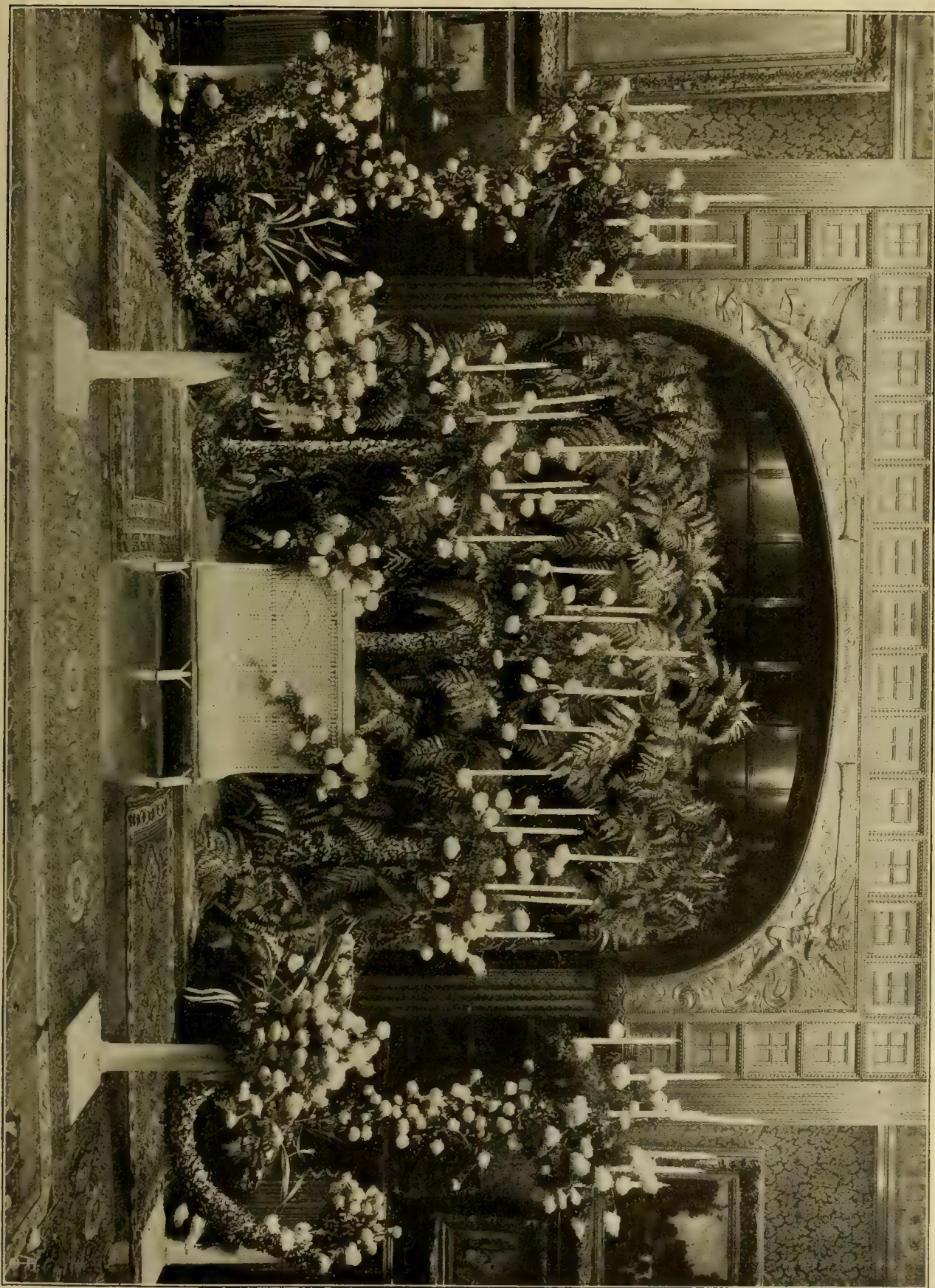
Decorations should not be obtrusive. They should appear supplementary to the furniture and fittings of the room, not as if the room was built purposely for them and must, in all cases, be in keeping with the general



NOVELTY EASTER BASKET BY H. C. ROWE, CHICAGO.

Twig Basket with Hyacinths, Easter Lilies and Primula Obconica





A FINE HOME WEDDING DECORATION BY SMITH & FETTERS, CLEVELAND, O.



style of decorations. In heavy paneled dining rooms the large Japanese and other chrysanthemums on long stems and, in large vases are fine but they would be quite out of place in a pretty pink and white or white and gilt room where sprays of single and pompon varieties would be more suitable enlivened with pretty little specimens of Cocos Weddelliana or some of the small, fine foliaged aralias. Many more instances of suitable decorations could be cited, but so much depends upon individual circumstances that little good would probably result. One thing is very important. Always choose help that will be as quiet and orderly as possible around the homes of patrons, men not given to untidy or loose habits, and instruct them to defer to the wishes of anyone with whom they come into contact in their work. Many a good patron has been lost to a florist owing to young and irresponsible help being sent with no controlling head to keep order. Patrons may not say anything at the time, but it is credited up—not to the helpers themselves, but to the firm that employs them and will be remembered the next time work of this class is needed. The decorations illustrated on page 475 were carried out at the home of a customer by Smith & Fetters, Cleveland, O. This firm has a reputation for this class of work and has carried out some of the most successful and elaborate decoration in the country.

#### Easter Business in Chicago.

The low price at which good stock could be obtained, the excellent demand and the fine weather all combined to make the Easter business of 1910 one of the best on record for the retailer. Wholesalers and commission men may feel sore when good stock has to be sold at so low a price, but this does not make any difference to the retailer. Still the present can hardly be described as a good Easter for cut flowers, even with the retailers and quite a considerable part of the business was in pot plants, which surely never sold better. When we looked at the immense number of plants in some of the principal retailers' stores we must confess that we had our doubts about their cleaning up, but on Monday, in the same stores, not a plant or basket of any consequence could be seen. Everybody was tired, but all expressed themselves as more than satisfied, business having exceeded their most sanguine expectations. We did not make a very exhaustive tour of the city after Easter, but the few instances noted are typical of conditions all over.

Harry C. Rowe, Monroe street, had a very fine lot of plants and plant baskets. He had his counter moved back to give more room in the store and every available corner was filled. Mr. Rowe always has original ideas in his baskets and this season was no exception. We have not space to go into details, but one is certainly worthy of mention if only on account of its simplicity. It was made only of Easter lilies and white spirea with a little green added and we have seldom seen a simpler and at the same time

so effective a basket. Great quantities were handled, both of cut flowers and plants and on Monday of the present week hardly a plant could be seen, showing that an excellent business had been done. At the Bohannon Floral Co., the same story was told. The baskets here were very artistic, the rambler rose being very effectively used. Here too on Monday there was nothing much left and the business was exceptionally good.

John Mangel had a fine trade. As we noted last week his store was just full of choice and elegant work, but everything was cleaned out. Besides the rush of Easter business, Mr. Mangel had the decorations at a banquet given by Hart, Schafner & Marx at the New Congress hotel and this kept everyone on the jump. The tables were laid in an egg-shaped formation

baskets would go. They were there in all imaginable shapes and sizes from the small china vase to large baskets containing big specimen plants and everything sold.

Early orders nearly cleaned out Chas. A. Samuelson's stock of large baskets and more had to be made. The business was especially good in the pretty art ware and similar stock for which this store is noted. His Easter window was a beauty. A gateway in white was flanked by pillars, Dorothy Perkins roses being trained over these in a very natural and pleasing manner. In front a lawn was made of green moss and a miniature lake, in which ducks were disporting, was edged with *Adiantum Farleyense*. Fine specimen plants and baskets stood around and the whole scene was very pretty. Wm. J. Smyth had a fine lot



POTS OF SINGLE YELLOW TULIPS, GOLDFINCH.

and in the center was a fountain, kept playing, with a border of red tulips, flowering plants and ferns. In the basin, crotons and *Cyperus alternifolius* were arranged, boxes of yellow tulips were placed at prominent places among the palms and ferns and red tulips were used on the cloth. The whole scheme was red and yellow and was carried out in the new Florentine room. The Fleischman Floral Co. had by far the biggest Easter business ever done by the firm and that is saying a good deal. Anyone seeing the store on Friday would naturally wonder where all the fine plants and plant

of all kinds of stock and baskets in his own excellent style and all the other south side retailers report a magnificent business. Retailers, in fact, will have cause to remember the present Easter as one of the best on record.

OSHKOSH, WIS.—E. F. Barnett, of the Oshkosh Floral Co., has incorporated a company, under the old title. Mr. Barnett started doing business here, February 19, at 116 Main street, and has enjoyed an excellent business since then.



## THE VIOLET.

### Violets in the East.

As the present is the time of greatest flower production and also of very low prices, would it not pay to throw out a part of the plants and make room for a planting of Memorial day flowers? I think sometimes we hang on to a crop that is hardly paying the cost of picking, when, by clearing the

### PLANT BREEDING.

If you would build up a good strain of either single or double violets, practice rigid selection. It is possible to create a strain, after a few years of careful work, that will be so much superior to the stock with which one started as to pass for an improved variety. This is true of almost all plants, but we think the single violet lends itself to this method of improvement more easily than anything with

that the stems always come longer; another throws flowers of a darker or more desirable shade; still another is more free in flowering. There are only a few plants in the house showing these desirable traits, while there are hundreds with deformed or streaky flowers, short stems, or with a rank growth and few flowers. If you are a careful observer, with a quick eye, you will see this difference, and if you are not, you will never rank with the best growers of violets or anything else. All these desirable and undesirable characteristics can most surely be perpetuated by propagation. There may be some reversion, but that may be eliminated by further selection.

Indiscriminate propagation is the surest way to so run out the stock that it is not worth growing, while from one plant of superior merit one can, in a few years, build up a strain that will be flattering to the self respect and fattening to the pocket-book. The man who owns this superior stock is always popular with the buyers, while the careless, slipshod grower remains always in the ranks of the "also rans." VIOLA.

SARATOGA SPRINGS, N. Y.—John Ralph, of Woodlawn avenue, had the floral decorations at the Saratoga club, given to the commissioners of the state reservation March 15. In the flag and bunting decorations only the national colors were used. In front of the speakers' table was a large wreath of pink carnations, and on either side smaller wreaths of daffodils, arranged in Empire design. Between the wreaths were garlands of smilax. On the table was a large vase of Killarney roses and daffodils. The other tables alternated, one having a vase of carnations with the pink flowers strewn beneath, the same arrangement being followed out on the adjoining table, by the use of daffodils. The effect, aided by a profuse use of ferns, proved most attractive, and was the cause of highly complimentary comment.



BIRCH BARK BASKET OF EASTER LILY, HYACINTHS AND FERNS.

By Andrew McAdams, Chicago.

space promptly, room could be made for something that would pay. There seems a considerable lack of knowledge, not only among beginners, but among those who ought to know, as to the proper time to pick violets, and how to handle them after gathering. Single violets should not be picked until the flowers are open flat, that is, until the two upper petals are slightly reflexed. At this stage they bunch better and will not hang their heads or "show their necks" so quickly. Our method is to bunch as fast as the flowers are picked, plunging the stems into clean water for about a half hour, and placing in a cool cellar. After a half hour in water, they are packed in boxes, made as near air-tight as possible by the use of waxed paper, and not disturbed again until sold. Treated in this way they will retain their freshness and odor much longer than if left in water.

### PROPAGATION.

If strong plants of the double varieties for next year are wanted, propagation should start now. Select only from the best plants the strongest runners and root in clean sand, in a temperature eight or ten degrees warmer than the violet house. If propagating plants of the single varieties from divisions, which is believed to be the best method, next month, after the plants are through flowering, is the proper time to divide them. Use only the new growth, throwing away the old crown; cut back the roots two-thirds and plant in flats of soil.

which we have worked. Go through the beds carefully, noting such plants as show desirable traits of habit or bloom. On one you will perhaps notice that the petals are wider, larger, or with more substance; on another



EASTER BASKET BY WM. J. SMYTH, CHICAGO.

Genista, Blue Hyacinths, Boston Ferns and Blue and White Chiffon.



## THE CANNA.

### Cannas of the Past Quarter-Century.

BY ANTOINE WINTZER.

Those of us who can look back 25 years, when the canna as a decorative plant was valued more for its tropical foliage effect than for blossoms, cannot fail to observe with pleasure the vast improvement in the size, color and form of the present day canna as compared with those we knew in the past. The transformation has been truly marvelous, but the majority have failed to realize its far-reaching effect. The canna of today is, without exception, the king of summer bedding and foliage plants. The writer cannot think of any other class of plants that will give a continuous mass of bloom from early summer on an average of 100 days, and sometimes more, especially if the fall be favorable. The modern cannas have a combination of form and a range and richness of color that is simply wonderful.

Those who have not seen a field of cannas near the close of a calm and mild August or September day, have missed one of the most beautiful and charming floral displays that earth has ever produced. People travel hundreds of miles and have climbed to the top of mountains to view a glorious sunset. When you have a beautiful field of cannas in bloom you can feast your eyes to your heart's content on colors as rich and gorgeous as the most brilliant sunset skies, with the advantage that while you cannot reach the clouds, which will dissolve into vapor as you approach them, you can admire and examine the canna to your heart's content.

### THE HISTORY OF THE CANNA.

The canna has a history. Centuries before the foot of the white man trod the pathless wilderness of the American continent, it grew and expanded its massive foliage to the eyes of the red man of the forest, who probably found in its hard round seeds the source of amusement for his children to try their skill in shooting at small birds through blow guns. Early in, or during the middle of the last century, enterprising botanists or collectors introduced the canna into Europe where the species were inspected by men of science and honored with high sounding botanical names. The garden cannas of the present time were mainly bred from such types as *C. Indica*, *C. iridiflora*, *C. Warscewiczii*, *C. glauca* and later *C. Ehmannii*, *C. alba rosea* and *C. flaccida*. From these various types, through interbreeding, the magnificent cannas of the present day have been evolved.

### THE CROZY CANNAS.

The name of Antoine Crozy, of France, as the originator of an improved breed of cannas, is well known wherever this beautiful flower is grown. Through the introduction in 1890 of his famous *Mme. Crozy*, the name of Crozy cannas was generally applied to all the gladiolus flowered type originated later, although many of the later types and varieties were bred from other strains by different growers. After the introduction of

*Mme. Crozy*, *Mons. Crozy*, by his numerous introductions, began to be looked upon as the chief source from which the new French cannas could be expected. Of the numerous varieties originated by Crozy from 1890 to 1895 many are still quite prominent, among these being *Alphonse Bouvier*, *Florence Vaughan*, *Souv. de Antoine Crozy*, *Charles Henderson* and others.

There next loomed into prominence the introductions of Pfitzer from Germany, most noteworthy of which was *Queen Charlotte*, which at the time of its introduction in 1893 created



Canna King Humbert.

quite a sensation, being the finest gilt edge variety at that time. Mr. Pfitzer has and is still introducing many other notable kinds. At the time of the Columbian exposition held at Chicago in 1893 a number of the most progressive firms were already listing the notable varieties introduced by these two pioneers, and it remained for this exhibition to show to the general public the possibilities of this wonderful bedding plant. Among the prominent



Antoine Wintzer.  
Hybridizing Cannas.

kinds there exhibited may be mentioned a few of those which were successful in carrying off prizes, as follows: *Alphonse Bouvier*, *Charles Henderson*, *Egandale*, *Florence Vaughan*, *J. B. Cabot*, *Mme. Crozy*, *Explorateur Crampbell*, *Geo. W. Childs*, *J. C. Vaughan* and *Alba Rosea* made the best display.

### AMERICAN RAISED CANNAS.

This display seemed to have aroused the American people, and especially hybridizers, to an increased interest in the possibilities of the canna, so that in the following few years the market soon began to be flooded with new varieties. One noteworthy feature of the list at this period shows an almost total absence of pink varieties; this color class was left for an American breeder to develop, and the need was soon supplied by such sorts as *Pink Ehmannii*, 1894; *Maiden's Blush*, 1897, shortly followed by *Martha Washington* and *Rosemawr* in 1898; also others. Prominent among the hybridizers of this period was Dr. Van Fleet, who, through his untiring efforts in working with *Ehmannii*, produced the first shades of pink; and *Alsace*, the nearest approach to a white, was introduced in 1896 in co-operation with the writer, who has continued and is still following up the work.

### DAMMANNS, THE ITALIAN RAISERS.

At this time, about 1895, there appeared on the horizon entirely new workers in this line, Dammanns of Italy, who produced the first of the strain of cannas now known as the orchid flowering type. The first two in this class were *Austria* and *Italia*, said to have been produced by crossing *Mme. Crozy* with *C. flaccida*. It is interesting now for us to remember their predictions made at that time, that all other varieties would soon be discarded in favor of the new strain. But later experience has proved that, while this type has given us the largest flower, it has by no means superseded the gladiolus flowered type, which now is more extensively used than any other class.

In the following year many varieties of this same strain were introduced by the Dammanns, but comparatively few of them have remained in general commerce. While this class produced flowers of larger size and better form, the petals were flimsy and lacking in substance, the trusses were also smaller and they were of later blooming habit. There was a loss also in brilliancy of color as compared with the gladiolus flowered type. Many of these defective features, however, have been eliminated by American and European breeders, whose later introductions show great improvement in earliness and profusion of bloom, texture of petals and brilliancy of color, at the same time retaining their wonderful size and form.

### NEW SHADES.

While the Dammanns were busy on their orchid flowering strain American breeders were striving to develop new types by producing shades and colors heretofore lacking. The catalogues of prominent growers of this period by various introductions attest to the



great improvement being made annually in size of flowers, brilliancy of color and altogether new shades. The efforts to produce a strain better adapted to the trying conditions of the American climate, which called for petals of greater substance were very successful. Another fault of many of the early introductions, as for example Alphonse Bouvier, was the drooping head, another feature corrected by later hybridizers. Still further advance was made in the breeding of more dwarf varieties of good habit and free blooming qualities, better adapted for planting in small gardens. Prominent among these dwarf varieties were Niagara, Buttercup, Triumph and others. Another line of work was developing flowers of new colors on the bronze leaved types, the efforts of hybridizers being directed toward producing flowers of lighter shade on darker foliage.

A new canna of great merit, originated about this time by John A. Kemp, was Pennsylvania, an example of one of the most remarkable achievements and greatest breaks in canna hybridizing. This was produced by crossing Duke of Marlboro with one of the orchid flowering varieties, thus producing the first solid red in this class. A good example of the perseverance and patience required in canna breeders is exemplified in the production of the then nearest white canna, Mont Blanc, which is the result of cross breeding extending over eight years, having for its progenitor, Alsace, which always had the disadvantage of very narrow petals. This was in 1903.

Many who attended the Louisiana Purchase exposition, held at St. Louis in 1904, will long remember the remarkable display of cannas there shown by the leading firms of this country, one firm alone having beds extending over a space of four and a half acres, with no less than 50 kinds, many of them made up in beds of a solid color, and perhaps the most prominent of those there exhibited was Louisiana, which carried off the grand prize. This is an introduction of the author's, and, together with King Humbert, attracted wide attention for its brilliancy, early blooming qualities and splendid effectiveness. It might be of interest to know that the two cannas, Louisiana and New York, are the result of an entire winter's work in hybridizing. Prominent among the prize-winning cannas at St. Louis were Betsy Ross, Buttercup, Duke of York, Evolution, Niagara, Queen of Holland, Cherokee, West Grove, Florence Vaughan, Black Prince, Hiawatha and Brandywine.

#### THE ENGLISH GROWERS' WORK.

But without doubt the most comprehensive test that has been made in the history of the canna, to our knowledge, took place at Wisley, near London, the experimental station of the Royal Horticultural Society of England. This test was inaugurated in the spring of 1906 when an invitation was sent out to growers in Europe and America and 271 different stocks were received for trial, which extended over two years (1906-1907); 220 distinct varieties were represented in this test and were three times in-



CANNA ROSEA GIGANTEA.

spected by the floral committee and the following varieties were selected as the best in color, receiving awards of merit (A. M.) or highly commended (XXX):

White.—Blanche Wintzer. Yellow.—Burbank, R. Wallace, Wyoming. Orange.—Hesperide, Oscar Dannecker, S. T. Wright, Uncle Sam. Rose.—Duke of York, Frau Philipp Siesmayer, Isabella Breitschwerdt, Melrose, Venus. Red.—Furst Wied, Grossherzog Ernst Ludwig, Karl Kirsten, Pluto, Wilhelm Boffinger, Wm. Saunders. Yellow, spotted with red.—Elizabeth Hoss, Gladiator, J. B. van der Schoot.

It is valuable as a matter of history for us to note the awards of merit that have been granted cannas by the Royal Horticultural Society during the past 20 years as follows: 1890, Mad. Crozy. 1892, Alphonse Bouvier. 1892,

Queen Charlotte, Sophie Buchner, Duchess of York. 1894, L. E. Bally. 1896, Roi des Rouges, Austria, Italia. 1897, Allemania, America, Compté de Bouchard. Stradfrath Hiedenrich, Edouard Meig. 1898, Partenope. 1900, Secy. Chabanne. 1901, Grossherzog Ernst Ludwig, Oscar Dannecker, Jean Tissot, Elizabeth Hoss, Reichkanzler Furst Hohenlohe, Mrs. Kate Gray, Mrs. G. A. Strohlein. 1907, Melrose, S. T. Wright, Wm. Saunders, Blanche Wintzer, Duke of York, Venus, Gladiator, Uncle Sam, Isabella Breitschwerdt, Wm. Boffinger, Hesperide, R. Wallace, J. B. van der Schoot, Pluto, Burbank, Furst Weid. Forty per cent of the awards of 1907 were of American origin, although there was but one firm contributing.

There is considerable confusion about the canna business as it exists today. The summary of the cannas of-



ferred in the catalogues of 11 of the most prominent firms show as many as 158 canna varieties now offered on this side of the Atlantic.

The work done by the English through their Royal Horticultural Society is certainly an object lesson which we Americans would do well to adopt, especially as the canna is much better adapted to the climatic conditions of America than to those in England. If there was an experiment station to which all new cannas could be sent for trial it would help us soon to see and give proper credit for deserving new kinds while inferior varieties could be readily weeded out.

The writer feels that in compiling this paper he may have omitted some noteworthy varieties, which he has not had the opportunity of seeing, but submits herewith a list of kinds which have been thoroughly tested and found to be among the best in America to-day.

#### GLADIOLUS FLOWERED, BRONZE FOLIAGE.

Shades of Red.—Wm. Saunders, Chautauqua, Jupiter, David Harum, Brandywine, Mrs. Geo. Strohleim.

Pink and Salmon Shades.—Hiawatha, Minnehaha, Eastern Beauty, Queen of Holland, Evolution.

#### GREEN FOLIAGE.

Shades of Red.—Duke of Marlboro, Chicago, Pres. McKinley, Comte de Sachs, Philadelphia Improved, Pillar of Fire, Chas. Henderson, Geo. Washington, Pres. Cleveland, Wintzer's Meteor, Cherokee, Express.

Shades of Pink, Rose and Salmon.—Rosea Gigantea, West Grove, Ottawa, Martha Washington, Betsy Ross, Louise, Mlle. Berat.

Shades of Yellow and Orange.—Buttercup, Gladiator, Brilliant, Improved Coronet, Florence Vaughan, Elizabeth Hoss, California, Comte de Bouchard.

Near White.—Mont Blanc, Alsace, Pink Variegated.—Venus, Duke of York, Gladiolora.

Gilt Edged.—Niagara, Mme. Crozy, Souv. de A. Crozy, Queen Charlotte.

#### ORCHID FLOWERING, BRONZE FOLIAGE.

Red Shades.—New York, King Humbert.

Orange.—Wyoming.

#### GREEN FOLIAGE.

Red Shades.—Louisiana, Uncle Sam, Pennsylvania, Mrs. Kate Gray.

Orange.—Indiana.

Variegated.—Allemania, Long Branch, Frederic Benary.

### Three Good New Cannas

At Schenley park, Pittsburg, Pa., quite a number of the finer varieties of cannas are grown in the fine bedding displays made there each summer and the following, which are recommended by Geo. W. Burke, the superintendent of parks, should be kept in mind:

"King Humbert was considered a great acquisition; it is a grand canna. foliage and trusses fine and size and color of individual flowers almost ideal. We would highly recommend it to any one interested in cannas.

"Venus is quite a novelty; the foliage is good and the flowers quite attractive. It is a nice thing to grow in limited quantities but with us it does not stand the sun, as well as other varieties.

"Harry Laing is a fine canna for general purposes, with good foliage, large trusses of flowers and fine color.

We consider it quite an improvement on some of the older scarlet varieties."

### Hotbeds.

After the rush of Easter business is over the grower's energies must turn to the bedding plants and the working up of the new stock for the coming season's planting. The grower who handles a general line of plants for bedding, together with roses, carnations, chrysanthemums, etc., for cut flowers, usually finds at this season of the year that the lack of bench space is his most difficult problem. To relieve this overcrowded condition, a hotbed, by taking care of several varieties of the bedding plants, will be found extremely useful. Steam heated hotbeds are those most generally used. These can be constructed as permanent frames, the length of which may be governed to suit the requirements, but they are much handier and more economical to work if built in lengths of not more than 50 feet. Two-inch lumber is the best material to use for constructing the frames; drive stout stakes into the ground about every four feet, nailing the planks to these; allow the height of the frame at the back to be 16 inches, the front 12 inches and the width of the frame six feet. To provide the steam heat for a bottom temperature of 70°-75° it will take three lines of 1-inch pipe, one on each side, about eight inches away from the sides of the frame and one line in the center of the bed connected to headers at each end of the frames.

The pipes should be fitted with flow and return valves at the headers at both ends of the frame to enable each run of beds to be controlled separately. The steam pipes should be laid about 10 inches below the surface of the beds. Dig trenches the length of the beds where the pipes are to go and after laying them, fill in with light, loose soil such as the heat can penetrate freely. Avoid any cold clay soil for this purpose. Allowance should be made for plenty of head room for the plants when filling the soil. A clear 10 inches at the back and five inches in the front of the frame from the top of the plants to the glass should be allowed. Steam should be turned into the frame two or three days before using, so that the beds are thoroughly heated through. The plants can be planted direct into the soil of the beds, carried in flats on the surface or left in the pots and plunged in loose material, the latter method suiting our ideas the best. The hotbed is an ideal place for bringing along such plants as alternanthera, lobelia, centaurea, verbenas, santolina, celosia or achyranthus, also egg plants, peppers and all of the stock for outdoor planting that requires a quick growth.

Stable manure is also very largely used as heating material for hotbeds, and for this purpose the building of the frames is the same, leaving out the piping. In preparing the manure it should be turned over thoroughly a week or so before putting into the frame, but do not let it remain in the pile long enough to burn dry. If it appears too dry at any time, give a light damping down. The old style

way of building a pile of manure and setting the frame on the top is not now followed to any great extent by those who work hotbeds on a large scale but, instead, the manure is thrown into the frames and thoroughly tramped down, allowing for a depth of about 10 inches of the material after it has settled down. To do this it is necessary to take out a little of the ground before putting in the manure to insure the proper head room for the plants. The sides and ends of the frames on the outside are then well banked up with manure, even to the top of the frame. The sash are placed on and the manure allowed to steam off a little for a day or two before putting in soil or plants. One of the essential points in managing the hotbed is to keep a little air on on every favorable occasion to guard against fungus and damping.

C. W. JOHNSON.

### Yellow Callas.

A peculiar charm invests the yellow calla, to which the average gardener readily succumbs. The chaste white *Richardia* (*Calla*) *Africana* has been familiar to generations of gardeners, and it cannot be displaced even by the charming newcomers. The cultural requirements of the white and yellow kinds is entirely at variance, inasmuch as the period of greatest activity with *Richardia Africana* agrees with the dormant or resting season of the yellow kinds.

Seeds of the yellow callas are sometimes obtainable, and flowering plants may be raised from them in three or four years. Dormant tubers are always offered by the trade at this season, and for a small sum flowering tubers can be had to begin with, and where an early display is required the latter are generally to be recommended.

The common calla comes from the moister regions of South Africa, and is therefore semi-aquatic by origin, whereas the yellow kinds come from warm inland districts, where the "hot season" is of periodic occurrence, and synchronises with the resting period of the plants. In this country their cultivation can only be successfully carried out under glass, and, in general practice, it is found of greatest convenience to rest them during the winter months, crowding their vegetative period into our spring and summer.

All the yellow callas are best potted in spring, in a rich light compost similar to that used for the common arum; an intermediate house will meet their requirements till June, when they succeed under ordinary greenhouse conditions until such time as they pass out of flower, and the plants are induced to go to rest by gradually withdrawing the supply of water, eventually withholding it entirely.

The best yellow callas for garden purposes are as under: *Richardia Elliottiana*, a species originally raised from seed imported from South Africa. The spathes are of a golden-yellow color, and the leaves are marked by irregular white blotches. The plant is vigorous in growth, and flowers freely during June and July from tubers started in February and March. *R. Pentlandi* is a stronger and finer species than the foregoing, and the leaves are deep green, while the stalks are more or less marked with purple blotches. The spathes are rich golden-yellow, with a maroon blotch at the base; it is a free and vigorous grower, requiring at least 10 degrees more heat than the common arum to bring



it to perfection. R. Mrs. Roosevelt is a hybrid between R. Elliottiana and R. albo maculata; from the latter parent it derives a hardy constitution, and, therefore, succeeds under cooler conditions than the others. The flowers are pale sulphur-yellow, with a maroon blotch at the base of the spathe. R. Taylori is a hybrid between R. Elliottiana and R. aurata, in which the flowers are almost identical with those of R. Mrs. Roosevelt, if anything, rather deeper in tint. R. albo maculata is the hardiest, but scarcely merits notice as a decorative subject; the spathes, as a rule, have more green than yellow. Being fairly hardy, it is sometimes used to secure foliage contrast in the summer season. —Gardeners' Magazine.

### To Be Done Now.

#### IN THE GREENHOUSES.

Where the earliest sown fern spores have failed from any cause, sow again using fertilized soil and placing the pans or flats in a shady, moist position.

The young stock of double petunias can probably be topped now and the tops inserted as cuttings.

In handling grafted roses considerable care is necessary to avoid breaking out the scions.

Cyperus alternifolius may be increased to any extent now by means of the short tips placed in sand always kept saturated with moisture.

Give the benches of smilax that were cut down for Easter a week or two's rest before topdressing and starting again.

Old plants of sansevierias and aspidistras may be shaken out and divided now for stock purposes.

Pinch the young carnations regularly when about three inches high in order to have an even lot for planting out.

Sow seed of Asparagus plumosus and A. Sprengeri in gentle heat. Let the pots or flats be well drained and use a light soil.

Avoid too much moisture in the atmosphere where Deutzia gracilis is coming into flower and stop spraying as soon as the blooms show white.

Where rose or other benches are mulched with fresh manure keep a little air on at night to prevent the fumes becoming too strong and injuring the plants.

Watch for the first sign of mildew on roses, young or old, and use sulphur on the pipes at once.

#### OUTDOORS.

Tidy up the shrubbery, removing all dead points of shoots and old useless wood.

Sow sweet peas on well enriched soil as soon as it can be got into good condition but do not hurry to get on land that is wet. Time and seed will be saved by waiting.

Burnt earth and garden refuse sprinkled dry on the surface will often make a stubborn or wet seed bed work well.

Prepare frames with especial care for seedling pansies and be prepared to cover them if necessary should frost set in again.

Hardy annuals should be sown in plenty now. Nothing gives so bright and cheerful an appearance at so little cost.

Frequent hoeing, as soon as the soil is in fit condition, is a great aid to early crops. A little nitrate of soda also helps, especially crops of the brassica order.

Burn up any rubbish that is around and clean up the place generally for spring planting.

## THE EASTER BUSINESS OF 1910

WE are again enabled, through the courtesy of our many correspondents in this country and Canada, to give reports of the Easter business which, we are glad to note, show a healthy increase over that of last year. The abnormally warm weather made stock extremely plentiful, and the prices to growers have not been as satisfactory as in some years, but the retailers have reaped the advantage. Taken altogether the Easter business must be described as eminently satisfactory.

YOUNGSTOWN, O.—John Walker reports his sales as 40 per cent greater than those of last season, with prices the same on plants, but those on cut flowers lower. This was due to the over-supply of the latter owing to the warm weather. In plants, azaleas, bulb stock, lilies and rhododendrons sold best and there was a falling off in rambler roses and large hydrangeas. Bulbous flowers were the only ones that did not sell well. Owing to the early Easter, Mr. Walker did not grow as many lilies as usual for wholesaling, but had plenty of these and all other pot plants for his own use.

FT. WAYNE, IND.—W. J. & M. S. Vesey say their sales were greater by one-third this year than last at similar prices. There were plenty of cut flowers, but not enough plants for the demand. In plants, bulb stock, rambler, azaleas and daisies sold best, roses, carnations and violets being the cut flowers most wanted. All others in the town report fine business and all are congratulating themselves on the fact that Easter was not two weeks later, on account of the hot weather.

LONDON, ONT.—J. Gammage & Son report an increase of 30 per cent in Easter sales over those of last year, with lower prices on lilies. There were more flowers than were needed, but the supply of plants was about equal to the demand. Lilies and roses sold best in plants, made up baskets not being so popular. Violets and bulb stock sold better than roses. Every lily in the city was sold by 6 p. m. on Saturday and the weather was ideal for business and delivery.

ATLANTA, GA.—The Atlanta Greenhouses report a 25 per cent increase in sales at Easter at prices about the same as last year. Plants in bloom all sold out. Carnations were short, but there was plenty of roses. Azaleas, rambler roses and hydrangeas all sold well at big prices, but ferns and palms were a slow sale. Carnations and bulb-stock sold best in cut flowers. The warm weather brought along bulb stock such as hyacinths, too quickly, but lilies were just right.

FREDERICTON, N. B.—John Bebbington & Son report an increase in business over that of 1909 of about 10 per cent at prices about the same as last year. A few more carnations could have been sold, but there was plenty of plants. Lilies, azaleas, spireas, cinerarias and bulb stock all sold well, as did all varieties of cut flowers. The weather was good and considerable funeral work helped out the total.

BELLEFONTAINE, O.—R. S. McMurray had a nice Easter business, his sales totaling some 25 per cent higher than those of last year, at prices about the same. Stock was just about equal to the demand and the business was about equally divided among the various classes of flowers.

MANCHESTER, N. H.—This is the first year in business for S. H. Mead & Co., but they say it has been extremely good, especially considering the fact that they took over the houses empty last fall. They sold over 1,600 pots of lilies.

JANESVILLE, WIS.—The Janesville Floral Co. reports a remarkable increase in Easter sales over those of last year—no less than 50 per cent. Prices were about the same and more plants could have been sold. Spring flowers were in great demand, also lilies and bulb stock in pots. The demand for roses and carnations fell off. Nothing but fresh stock would go.

WINONA, MINN.—John Fuhlbruegge reports a phenomenal advance in Easter business, his report being approximately 50 per cent more than last year at about the same prices. Lilies and azaleas were short, but other plants were equal to the demand, as were cut flowers. Spireas sold slowly and lilies were in the lead, violets and lilies also leading as cut flowers.

ENID, OKLA.—J. R. Detwiler says his sales were somewhat less at Easter this year than last at prices about the same. There were more than enough plants for the demand, but hardly enough cut flowers, carnations and roses being most in demand. Mr. Detwiler says he will grow more cut flowers and less plants next year.

GAINESVILLE, GA.—J. E. Jackson, of the Piedmont Greenhouses, says his sales showed an increase of 25 per cent over those of last year at better prices. The supply of cut flowers and plants were not equal to the demand which ran to carnations and roses in cut flowers and flowering plants.

BRAMPTON, ONT.—The Dale Estate reports sales as greater than those of last year. Easter lilies continue to bring low prices in Canada, while the amount of flowers kept prices in all lines low. Bulbous stock was not much in demand, carnations, roses and valley having the call.

TROY, N. Y.—Sambrook Bros. report an increase in their business of about 20 per cent at similar prices to last year. Everything was in sufficient supply, except small plants, which sold better than large ones. In cut flowers, sweet peas and violets sold better than roses and carnations.

KOKOMO, IND.—W. W. Coles reports a 25 per cent increase in sales over those of last Easter at similar prices. Carnations were short and these and roses were much in demand. Prices were about the same and Easter lilies, azaleas and hyacinths were the plants most in demand.

ATCHISON, KANS.—Groves Greenhouses report trade and prices at Easter about the same as last year. Lilies were scarce, but all other plants were plentiful, and there were too many cut flowers, lilies being the best seller.

ATLANTIC CITY, N. J.—Edwards Floral Co. reports a fair increase in sales at Easter over those of last year at prices about equal. Azaleas sold best in plants and sweet peas and violets in cut flowers.

BROCKVILLE, ONT.—Edwards, Florists, say that business at Easter was all that could be desired, and the weather was ideal. Hydrangeas, azaleas, lilies and bulb stock sold out very close.



# THE AMERICAN FLORIST

1885 TWENTY-FIFTH YEAR 1910

Subscription, United States and Mexico \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

Eastern Representatives:

A. F. FAULKNER, 1133 Broadway, New York.  
ROBT. KIFT, 1725 Chestnut St., Philadelphia, Pa.

**THE AMERICAN FLORIST,**

324 Dearborn St., CHICAGO.

**THIS ISSUE 56 PAGES WITH COVER**

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Blow softly, winds, o'er garden beds.

Where flowers are waking from their sleep.

While drowsily they lift their heads.

The skies of April laugh and weep;

Blow softly while the wild birds sing.

And rills exultant break their chains;

Blow softly, heralds of the Spring,—

Upon her throne fair April reigns.

RUTH RAYMOND.

APRIL SHOWERS, gentle and well distributed, may save many good reputations, not meaning the poets.

THE National Sweet Pea Society's preliminary schedule is out, with a fine list of special prizes. Secretary Harry A. Bunyard, 342 West Fourteenth street, New York, will be pleased to supply copies and all other information on application.

EASTER business was favored to a very large extent by the fine spring weather which prevailed.

EASTER SUNDAY, March 27, the temperature at Chicago was the highest on record for that month, the thermometer registering 81°.

RETAILERS say that a number of their best Easter customers, who go to California annually in winter, has not yet returned. Andrew Carnegie and others were in Chicago this week enroute from the coast.

THE Steamship Oceana, which arrived at New York from Bermuda March 24, brought only a small supply of lily blooms. The main supply of flowers from this source, it is said, will arrive after Easter. The greenhouse growers of lilies who marketed their crops before Easter have no doubt taken profits accordingly.

## Society of American Florists.

### EXECUTIVE COMMITTEE MEETING.

The regular Mid-Lent meeting of the executive board was held at the Seneca hotel, Rochester, N. Y., March 12, 14 and 15. The entire executive board, consisting of President Pierson, Geo. Asmus, John Young, W. J. Vesey, Eugene Dailedouze, W. N. Rudd, Robt. Craig, J. A. Valentine, F. W. Vick, Wm. F. Kasting and H. B. Dorner were present during the entire session. The usual routine of business was transacted.

The report of the treasurer and the financial report of the secretary for 1909 and also the supplementary reports for January and February, 1910, were received. These reports were referred to a committee consisting of Messrs. Valentine and Dailedouze and were reported by them to be correct. They were then accepted by the board.

The treasurer was instructed to deposit all interest, received from the funds of the society, to the credit of the reserve or permanent fund.

Several changes in rules relating to the management of the annual trade exhibition were adopted. For floor space the rates are to be as follows:

Minimum charge.....\$5.00

One hundred feet or less...

.....20c per sq. ft.

Excess over 100 ft. and not

over 200 ft.....18c per sq. ft.

Excess over 200 ft.....

.....15c per sq. ft.

All signs, in any exhibit, whether on wall or elsewhere, shall not extend higher than six feet six inches above the floor. The charges for sign space outside exhibition space shall be charged for at same rate as floor space. For wall space for exhibition purposes and not for signs, the rates shall be one-half that for floor space. All signs used in the exhibition shall be black letters on a white ground. No other color shall be allowed to be used either for lettering or for ornament.

A resolution was adopted providing that the public should be admitted to the exhibition every evening at 7 p. m. and on Thursday from 2 p. m. until closing time, and at all other times the exhibition to be closed to the public. An admission fee of 25 cents will be charged. All arrangements attendant upon the admission of the

public is to be under the control of a committee consisting of F. W. Vick, Wm. F. Kasting and G. B. Hart.

Chas. H. Vick, on the recommendation of Vice-President Vick and the Rochester Florists' Association, was unanimously elected superintendent of the trade exhibition.

In connection with the committee of the local club, the board visited the large convention hall offered for the trade exhibition and meetings and accepted it. This building contains about 48,000 square feet of floor space and was considered, by members of the board, to be the best hall ever offered for a trade exhibit.

President Pierson appointed John Westcott as chairman of the committee on convention sports, with A. F. Vick, R. G. Salter and J. M. Keller as the other members.

The usual appropriations were made for the year.

Mr. Valentine submitted to the board an outline for the organization of a retailers' section of the society. The plan in general provides that all members of this section must first become members of the society. It contemplates a trade arrangement by which business in distant towns may be exchanged on a safe basis as to quality of stock and credit. It was the unanimous opinion of the board that the idea is an excellent one for the society and will prove valuable to the retailers.

It was the unanimous opinion of the board that a special meeting of the society should be held during the time of the National Flower Show. A recommendation to that effect was made to the society.

The following resolution was adopted:

Resolved, That if five or more members write to the secretary, expressing an especial interest in any given floricultural topic and request the organization of a section devoted to that subject, the secretary shall assign a place on the programme to that topic and shall designate it by a suitable name as a separate section. The object of this arrangement is to provide sections so that members interested in these various subjects may get together and discuss them.

A tentative programme for the coming meeting was adopted.

The executive board further indorsed the work of the experiment stations by passing resolutions commending the proposition for the state of New York to appropriate money for the erection of greenhouses at Cornell University for experimental and teaching work in floriculture. A bill was recently introduced in the legislature at Albany embodying an appropriation of \$50,000 for this purpose.

The tariff and legislative committee was directed to fully investigate the cause of the present high price of glass and to take whatever steps are necessary to relieve the situation. It was also requested to recommend such tariff legislation as will prevent a recurrence or continuation of the present conditions.

The following amendments to the constitution and by-laws were presented, ordered placed on record and printed in the programme for action at the next annual meeting:

To amend article V, Section 1, to read as follows—The first annual



meeting of the society shall be held at Buffalo, N. Y., on the first Tuesday of August, 1901. Subsequent meetings shall be held annually at such time and place as may be fixed by ballot at the morning session of the second day of each annual meeting and shall continue for at least three days.

To amend Article IV, Section 2, by striking out the figures \$25.00 and insert in place thereof \$50.00, meaning to increase the life membership from \$25.00 to \$50.00.

On Monday night the members of the executive board were guests of the Rochester Florists' Association at its second annual banquet. The entertainment by the association was much appreciated.

The following final resolutions were adopted:

"The executive board of the Society of American Florists desires to place upon record its appreciation of all the courtesies which have been shown by the Florists' Association of Rochester, and to recognize the spirit of hearty co-operation shown by the members thereof. We can confidently look forward to an unusually successful convention next August.

"We recognize the liberality of the chamber of commerce in placing at the disposal of the society the finest hall we have ever had for our meetings and exhibition entirely free of charge. We have enjoyed a most pleasant time at the banquet and are more than delighted with the cordial expression of the various local speakers.

"We leave for our homes with the conviction that the earnest workers of Rochester will do their full share in making the convention of 1910 a complete success."

H. B. DORNER, Sec'y.

#### Meetings Next Week.

**Albany, N. Y., April 7, 8 p. m.**—Albany Florists' Club, W. C. King's, 24 and 26 Steuben street.

**Buffalo, N. Y., April 5, 8 p. m.**—Buffalo Florists' Club, Saturn hall.

**Butte, Mont., April 8.**—Montana Florists' Club, Columbia Gardens.

**Chicago, April 7, 8 p. m.**—Chicago Florists' Club, Union restaurant, 111 Randolph street.

**Cincinnati, O., April 9, 8 p. m.**—Cincinnati Florists' Society, Jabez Elliott Flower Market.

**Dayton, O., April 4, 8 p. m.**—Dayton Florists' Club, 37 E. Fifth street.

**Detroit, Mich., April 4, 8 p. m.**—Detroit Florists' Club, Cowie building, 42-44 Gratiot avenue.

**Grand Rapids, Mich., April 4.**—Grand Rapids Florists' and Gardeners' Club, office of member.

**Hartford, Conn., April 8, 8 p. m.**—Connecticut Horticultural Society, County building.

**Indianapolis, Ind., April 5, 3:30.**—State Florists' Association of Indiana, State House.

**Louisville, Ky., April 5, 8 p. m.**—Kentucky Society of Florists.

**Milwaukee, Wis., April 7, 8 p. m.**—Milwaukee Florists' Club, Quiet House, corner Broadway and Mason street.

**Montreal, Que., April 4, 7:45 p. m.**—Montreal Gardeners' and Florists' Club, Royal Guardians building, 211 Sherbrook street, west.

**New Orleans, La., April 6, 8 p. m.**—German Gardeners' Club, 624 Common street.

**Newport, R. I., April 6.**—Newport Horticultural Society.

**Philadelphia, Pa., April 5, 8 p. m.**—Florists' Club of Philadelphia, Horticultural Hall, Broad street above Spruce.

**Pittsburg, Pa., April 5, 8 p. m.**—Florists' and Gardeners' Club of Pittsburg, Fort Pitt hotel, Tenth street and Penn avenue.

**Salt Lake City, Utah, April 5.**—Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South street.

**Seattle, Wash., April 5.**—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

**St. Paul, Minn., April 5, 8 p. m.**—Minnesota State Florists' Association, 510 Snelling avenue, North.

**Utica, N. Y., April 7, 8 p. m.**—Utica Florists' Club, Genesee hall, Oneida square.

**Washington, D. C., April 5, 8 p. m.**—Florists' Club of Washington, 1214 F street, N. W.

## Wants, For Sale, Etc

**One Cent Per Word, Cash with Adv.  
For Plant Ads., See Ready Reference Section.**

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

**Situation Wanted.**—By young man with twelve years' experience in seed business, both retail and wholesale; can furnish reference. Address  
Key 475, care American Florist.

**Situation Wanted.**—By grower of roses, carnations and chrysanthemums all pot and bedding stock, good designer. Address  
Key 479, care American Florist.

**Situation Wanted.**—As gardener; private; 25 years' experience; married; no children; ready for engagement April 1; best of references. Address  
MAX STEDLER, Oconomowoc, Wis.

**Situation Wanted.**—By young man, married, German, as carnation for man, will also take section; can show best results; state wages in first letter. Address  
Key 483, care American Florist.

**Situation Wanted.**—First-class designer, decorator and store man, with fourteen years' experience, wishes position in St. Louis or Chicago; can show good references. Address  
Key 484, care American Florist.

**Situation Wanted.**—As second gardener or single handed place; understands greenhouses, lawns and vegetables; best references: English; single. Address  
BURTON,  
13 Dixwell Ave., New Haven, Conn.

**Situation Wanted.**—As cut flower grower or working foreman thoroughly competent to take charge first-class rose, carnation and chrysanthemum grower, also the growing of all kinds of bulbs pot plants and bedding stock. Address  
Key 480, care American Florist.

**Situation Wanted.**—By A No. 1 grower of cut flowers and potted plants; good propagator; German 36 years of age; able to take full charge; have always made a success of it. Address  
EMERT RIGGEE,  
316 Capitol Avenue, North Lansing, Mich.

**Situation Wanted.**—By practical grower of cut flowers and pot plants in general; 20 years' experience in England, 3 years in Canada; private or commercial; married; middle aged; total abstainer. Address  
HENRY TUCKER,  
815 Queen St., Chatham, Ont., Canada.

**Situation Wanted.**—As foreman or grower by an expert grower having 12 years of experience in the growing of cut flowers, potted plants, handling of help to best of advantage; designing, etc. Excellent references, age 29; single; reasonable wages. Address  
Key 478, care American Florist.

**Situation Wanted.**—By competent grower of cut flowers and potted plants in general; willing to take charge; or as foreman in an up-to-date commercial place; 26 years in the trade; middle age; single, sober. Address  
Key 461, care American Florist.

**Help Wanted.**—Two young men as assistants in Roses \$5.00 per month steady position. Address  
Key 481, care American Florist.

**Help Wanted.**—Young man wanted who has had practical experience in the growing and packing of bedding plants; German preferred. Address  
E. ARLT, 3653 Dickens Ave., Chicago.

**Help Wanted.**—Helpers in rose houses, with some experience; \$30.00 to \$45.00 per month. State in first letter salary received in previous places and experience in the business. Address  
POEHLMANN BROS. Co.,  
Plant B, Morton Grove Ill.

**Help Wanted.**—Assistant single, about 25 to 30 years old on private place. Must be a good rose, grape and peach grower. No others need to apply. Must have good habits. Wages, \$40 per month and board; references. Address  
Key 476, care American Florist.

**For Sale.**—One brickset Furman boiler in good shape; 1 model No. 30-5 good as new, used two winters, very cheap if taken at once; will install larger one in place of the two. Address  
Key 468, care American Florist.

**For Sale.**—40,000 ft. of glass in good repair; fine location in northern Illinois city of 50,000. A bargain. Hot water heat; only house near principal cemeteries; is opposite main gate; best car line in city passes door; will rent or sell house and barn adjoining; a paying investment for industrialous man. Address  
Key 482, care American Florist.

**For Sale.**—11,000 ft. glass in city of 1,800, in the middle west, established retail business of 25 years; close to four large cities; one of the best locations in the country to build up wholesale business; owners are engaged in other line of business and cannot give greenhouse personal attention; present owners can handle entire output of purchaser; a splendid opportunity for live energetic man. Address  
Key 463, care American Florist.

**For Sale or Rent.**—40,000 square feet of glass, in good location; needs partial rebuilding; rent accordingly, or will sell at reasonable price. Address  
Key 460, care American Florist.

## WANTED.

Two young men with some experience in general greenhouse work, as assistants on large place. Good wages and chance for advancement. Address  
Key 477, care American Florist

## WANTED

An all-around young man for flower store and greenhouse; \$12 a week.

**ERNEST KITZINGER**

2852 W. Fullerton Ave., CHICAGO

## WANTED AT ONCE

A sober, industrious man for general greenhouse work. Wages \$14.00. Address

Key 454, care American Florist.

**NOW READY.**

**New 1910 Edition**

# The Trade Directory

**FLORISTS, SEEDSMEN AND NURSERYMEN**

**United States and Canada**

**Price: \$3.00, postpaid**

**AMERICAN FLORIST CO.**

**324 Dearborn St.,**

**CHICAGO.**



# Now For Those Rush Orders

**F**LORISTS who want their orders filled accurately and quickly will make no mistake in sending to us. We are prepared to fill orders the day they arrive. We have just doubled our packing force—a change made necessary by the largest number of orders ever received. Here are some of the things you should not overlook in planning your spring planting.

## Aster Seed Aster Seed Aster Seed

Sweet Peas, Dahlias, Gladioli, Lilies,

Market Garden Strains of Vegetable and Flower Seeds

Hardy and Tender Plants, Potatoes, Small Fruits,  
Lawn Grass, Fertilizers, Insecticides and Sprayers.

Five minutes study of our wholesale catalogue will convince you that it is to your interest to send us your rush order. To insure its reaching the right department the minute it arrives, mark both your order and envelope "Wholesale Department, Rush." Mention this paper.

**JAMES VICK'S SONS,**

**Rochester, N. Y.**

### New York State Floriculture.

ED. AMERICAN FLORIST.

I notice you have made some mention in your paper of the bill, now before the New York legislature, which provides for the building and equipment of a range of greenhouses at Cornell University for teaching floriculture. For the benefit of the readers in this state and others interested, the bill is reproduced below.

In order that the matter may not be overlooked in any way, I would suggest that every florist in New York state write his state representative urging early action in the bill. The state is doing considerable for the agricultural department and the florists should see that their interests are fully considered. A greenhouse plant of the character contemplated will be of immense value to the trade and every effort should be made now to get it well started. Write your representatives today.

WILLIAM F. KASTING.

### NEW YORK FLORICULTURE BILL.

In assembly, March 7, 1910.

Introduced by Mr. Wilkie, read once and referred to the committee on ways and means.

An act to build and equip a range of glass houses and service building for teaching floriculture at the New York State College of Agriculture at Cornell University, and making an appropriation therefor.

The people of the State of New York, represented in senate and assembly, do enact as follows:

Section 1. The sum of fifty thousand dollars (\$50,000), or so much thereof as may be necessary, is hereby appro-

riated for the purpose of building and equipping, at Cornell University, a range of glass houses and service building, suitable for experimental and teaching work in floriculture. Such buildings shall be a part of the New York State College of Agriculture at Cornell University, and shall be located on such portion of the land of the university as may be designated by the trustees of such university. Plans and specifications for such glass houses, service building and equipment shall be approved by the department of horticulture of such college of agriculture. Such buildings shall be built and equipped by such university and such appropriation shall be paid by the state treasurer on the warrant of the comptroller on the order of the treasurer of Cornell University, but no part of such appropriation shall be available, except for advertising and for plans, until such university has entered into a contract with a responsible party for the completion of such work within the amount appropriated.

Section 2. This act shall take effect immediately.

### Correspondence Course in Horticulture.

ED. AMERICAN FLORIST:

Perhaps the readers of your progressive paper will be interested to learn that correspondence courses for home study in agriculture, horticulture, poultry culture, domestic science and nature study are now provided by the South Dakota state college. These courses are for all the members of the farm family, for school teachers and everyone who wishes to learn.

The courses of study are planned not for financial profit, but to bring scientific and practical instruction within the reach of those who cannot attend college, yet are ambitious to

gain instruction helpful in their work and life.

Four systematic courses are offered in horticulture covering the subjects: 1—Vegetable Gardening; 2—Fruit Culture; 3—Floriculture; 4—Forestry.

Full information will be furnished free to any of the readers of the AMERICAN FLORIST on request.

A. A. BRIGHAM,

Director College Extension.  
Brookings, S. D.

### Crepe Chasing Again.

The following letter is reprinted verbatim from the Baltimore News:

"Kindly allow me space in your valuable paper to put forth a simple plea. We have florists in Baltimore who pursue disgraceful tactics to secure trade from the families of the dead. Hardly before the breath has left the body and the family have recovered somewhat from the shock, the doorbell rings and Mr. Florist asks to see some member of the family. He comes to extend his sympathy, saying he has known the deceased for some time, and what a fine man or noble woman he or she was, and concludes by asking for the order for floral designs. These professional 'crepe pullers,' for such they are, have very smooth tongues and can easily play on the feelings of the bereaved ones. They say they will give a design free as a mark of sympathy, and attach the price on any other orders they may receive. True sympathy is a soothing balm in time of trouble, but lying lips are as venomous as an adder. There is, of course, no law regarding this practice, but the people who are thus approached can readily put a stop to this evil. I believe many will agree with what I say. I am not a disgruntled florist or connected with that business." J. B. EDMONDSON.



# OUR BEAUTIES

are away ahead of any others now in this market.

## ROSES

All from grafted plants, making stronger stems and larger buds.

## Fancy Carnations

Our Bassetts are the best red in this or any other market.

**Tulips, Valley, Daffodils, Asparagus Strings and Sprays, Smilax, and the best Common Ferns in this market.**

**BUY DIRECT OF THE GROWER**

### Price List

| American Beauties | Per doz.                  |
|-------------------|---------------------------|
| Extra long.....   | \$3 00                    |
| 36 inch.....      | 2 00                      |
| 24-inch.....      | 1 50                      |
| 18-inch.....      | 1 00                      |
| Short stems.....  | per 100, \$3 00 to \$4 00 |

#### Pink and White Killarney and Brides

|                                    |                |
|------------------------------------|----------------|
| Extra long and select, per 100.... | \$3 00         |
| Good lengths, per 100.....         | 6 00           |
| Medium lengths, per 100.....       | \$4 00 to 5 00 |
| Short lengths.....                 | 2 00 to 3 00   |

| Richmonds, Maids and Perles        |                |
|------------------------------------|----------------|
| Extra long and select, per 100.... | \$8 00         |
| Good lengths, per 100.....         | 6 00           |
| Medium lengths, per 100.....       | \$4 00 to 5 00 |
| Short lengths, per 100.....        | 2 00 to 3 00   |

#### Roses, our selection,

|                                      |        |
|--------------------------------------|--------|
| Not less than 100 lots, per 100..... | \$1 50 |
|--------------------------------------|--------|

#### Carnations

|                                         | Per 100          |
|-----------------------------------------|------------------|
| Fancy extra long red O. P. Bassett..... | \$2 00 to \$3 00 |
| Fancy white, good stock.....            | 3 00 to 4 00     |
| Fancy pink, good stock.....             | 2 00 to 3 00     |

|                                      |                |
|--------------------------------------|----------------|
| Lily of the Valley, per 100.....     | \$3 00         |
| Single Tulips, white and yellow..... | \$2 00 to 3 00 |
| Sweet Peas, per 100.....             | 50 to 75       |
| Asparagus Sprays, per 1000.....      | 3 00 to 4 00   |
| Asparagus Strings, per string.....   | 50             |
| Sprengeri, per 100.....              | 2 00 to 3 00   |
| Smilax, per doz.....                 | 2 00           |
| Adiantum, per 100.....               | 1 00           |
| Galax, bronze, per 1000.....         | 1 00           |
| Galax, green, per 1000.....          | 1 00           |
| Ferns, per 1000.....                 | 2 00           |

#### Rooted Cuttings:

|                                | Per 100 | 1000    |
|--------------------------------|---------|---------|
| CARNATIONS, O. P. Bassett..... | \$6 00  | \$50 00 |
| Winsor.....                    | 3 00    | 25 00   |
| ROSES, White Killarney.....    |         | \$50 00 |

# Bassett & Washburn

Store and Office: 76 Wabash Ave.,

CHICAGO

Greenhouses: HINSDALE, ILL.

#### Chicago.

##### PLENTY OF EASTER STOCK.

The heat of the few days previous to Easter cutting, combined with the fact that growers had previously been holding back stock, tended to an over full market for Easter, this being felt particularly in roses. A shade temperature of 82° to 85° in March and bright sun on the houses do not tend to quality in either carnations, violets or roses and the consequence was a whole lot of soft unsalable stock. Enchantress was so pale in many instances that this fine variety was quite unrecognizable, while the reds had that burned, rusty look around the edges of the petals that so detracts from their appearance. Really first class stock of carnations was none too plentiful and even of the poorer grades there was hardly what could be termed a glut, though telegraphic orders at low prices had to be resorted to in many cases to clean up. Long distance shipments sent out early could hardly be expected to reach their destinations in good order; the flowers in most cases were good when shipped but 48 hours in the cases, no matter how well they were iced and packed, would be safe to injure them and wholesalers who have had no "kicks" coming back this week have certainly been among the lucky numbers. Violets are in about as bad condition as it is possible for them to be. They fall to pieces on arrival, are soft and have by no means a sweet odor when unpacked. A few more days of hot weather would probably make the wholesalers so sick of violets that they will not want to hear the name until next October. All stock was weak at quoted prices excepting the cream of the freshly cut flowers. Where 8-cent roses were ordered 10-cent stock was

sent and charged at 8 cents, and so on through the list. But there was a great business done. The amount of stock shipped to out-of-town points from this market increases annually without a doubt and increases at a



O. P. Bassett.

bigger rate than most people imagine. Undoubtedly the wholesalers were wise in treating their customers well and sending them the best grades of stock they could for the money. Still, with all their efforts there was quite a lot

of stock in the ice boxes on Saturday afternoon, after the bulk of the holiday trade was over. Lilies cleaned up fairly well and though prices had to be shaded a little there were few complaints heard on this account. Pot lilies sold better than cut. Bulbous stock was simply a drug in the market. Great quantities of forced stock were sent in all the week and on the top of this were the shipments of outdoor flowers from southern points. We question very much whether some of the boxes were ever opened; certainly the flowers were never sold. Had the weather been normal for the season there would have been just as good a business at far better prices but—there is always a but.

The enormous amount of rose stock in the market this week has given wholesalers an anxious time. Were the weather such that long distance shipments could be made with safety it would not be quite so bad, but the temperature has been so abnormally high that shipping for more than a 12-hour journey is risky. A market loaded down with first-class stock of all kinds just about describes the situation and there is no relief in sight. Cooler weather is the only hope of salvation. Some cooling showers occurred early in the morning of March 30.

#### NOTES.

O. P. Bassett was married, March 21, to Mrs. Imogene Dickerson, widow of the late Chas. A. Dickerson, the well known hat man of Detroit. They were married at Santa Barbara, Calif., where Mr. Bassett has been staying and expect to spend the summer and fall in Europe. They will winter in southern California. Mr. Bassett celebrates the seventy-fifth anniversary of his birth March 31, and must certainly be described as one of the "young"



# We took care of all

of our old customers at Easter and many new ones in a very satisfactory way and it is needless to say that we can continue to supply you and to even better advantage, now that the Easter rush is over.

## A Few Leaders are

|                                      |                          |                                             |                          |
|--------------------------------------|--------------------------|---------------------------------------------|--------------------------|
| Roses, in all popular varieties..... | \$3 00 to \$6 00 per 100 | Lilium Longiflorum,.....                    | 12 cents each            |
| Fancy stock.....                     | 8 00 per 100             | Callas,.....                                | 10 to 12 cents           |
| Carnations,.....                     | 1 50 to 2 00 per 100     | Fancy Valley.....                           | \$3 00 to \$4 00 per 100 |
| Fancy.....                           | 3 00 per 100             | Fancy Ferns, Leucothoe, Galax, Mexican Ivy. |                          |

Get Special Quotations on Large Lots.

# VAUGHAN & SPERRY,

Long Distance Phone, 52-54 Wabash Ave., CHICAGO.  
Central 2571.

men of that age. He is remarkably active, plays golf with great zest and handles his automobile in a way that would be a credit to many a younger man. We sincerely trust that this couple will spend many happy years together.

The Easter display at the Lincoln park greenhouses was very fine and all Easter Sunday the houses were crowded with visitors who, apparently, took great interest in the flowers. Genistas and Cineraria stellata were the chief attractions in the large flowering plant houses with good azaleas, rambler roses, amaryllis and others. We noted a few pretty pieces of Phalænopsis amabilis and P. Schilleriana, while the quaint looking Vanda suavis and V. tricolor were also flowering freely—otherwise the orchid display was not very large. Outside there were signs of spring everywhere, the tulips and other bulbous flowers pushing up, the shrubs budding and in warm corners the crocuses made pretty bits of color.

Vaughan & Sperry moved great quantities of good stock at Easter, and in the better qualities had no flowers left. Growers who consign held-over stock to this house are likely to find their returns low, for they do not believe in sending out this class of goods to their customers and it is simply dumped on arrival. Nothing of good quality is wasted here, the demand from out-of-town points cleaning it all up. There was a distinct advance in the amount of business done over that of last year, though the increase was hardly in proportion to that of general business which has been very rapid here of late.

No excuse is needed in this time and age for the money spent on our parks. Those who are so short-sighted as not to see the advantage to future generations in the money that is being spent and proposed to be spent in securing outlying land to be eventually used for parks at the present low prices, or fail to recognize the greatly increased value of the land in their vicinity should have taken a tour around our parks on Easter Sunday and seen the younger and older generations disporting themselves. It would have been an eye-opener where it was badly needed.

The shipping trade from the J. A. Budlong store for Easter was exceptionally heavy and many customers from long distances have written expressing their satisfaction at the excellent condition of the stock on arrival.

## "The Busiest House in Chicago"

THANKS for your Easter business.

Keep right on coming.

Stock is fine and prices right.

Service—but you know all about that.

## J. B. DEAMUD CO.

51-53 Wabash Ave.,

CHICAGO

When the very hot weather of the past 10 days is taken into consideration this is all the more gratifying and shows the extreme care that is always taken with the packing. Heavy cuts of good quality are still arriving, especially in choice roses and carnations.

At Bassett & Washburn's Easter business came remarkably near that of a year ago, there being only about \$10 increase. Considerably more stock was handled, however, but prices ruled lower. Carnations held up well, but the enormous cut of Killarney roses forced values down. Red roses also sold well. The shipping trade was large but was in some measure hindered by the heat, growers in the territory covered having more stock than usual.

Poehlmann Bros. Co. did an enormous Easter business and cleaned up fairly well in all lines. The immense stock of Easter lilies ready was all used up, but there are still fine flowers coming in, while long stemmed Beauties are arriving to the tune of 12-1,500 per day. Killarney is in heavy cut about 12,000 per day coming in with fine carnations, valley and other popular flowers in large quantities.

Chester Strail, brother of Fred Strail, and who used to be in business with him both on Van Buren street and Jackson boulevard, is putting up for alderman, being the republican nominee for the Twenty-fourth ward. There is no truth in the report that Fred was leaving the Bohannon Floral Co. He is there and intends to stay.

Geo. C. Hartung, manager of the Kensington Greenhouses, reports the best business ever. He had lots of funeral work which moved a large quantity of Easter lilies, and he had

not a plant left. Prices were good and there was an excellent demand for flowering plants.

Frank N. Kenyon, of the Zenith Rustic Manufacturing Co., has been sending out a great variety of birch bark baskets in all shapes and sizes this season. He says that his sales have been fully equal to the best holidays on record.

The J. B. Deamud Co. is showing a great variety of spring flowers, including fine Narcissus poeticus, daisies, stocks and pansies as well as some grand mignonette. The usual fine stock of carnations is also to be seen.

E. H. Hunt reports a fine clean-up for Easter on everything except a few short roses and some bulb stock. The excellent stock of lilies was sold out clean and the same is true of the better classes of roses and other lines.

John Mangel has been suffering from trouble with his nose, some internal growths having to be removed. It has given him a good deal of pain, but he has been able to attend to business during the Easter rush.

An exhibition of illustrated books on flowers and landscape gardening opened in the public library March 28. The art room, where this is held, is open daily except Sunday, from 9 a. m. to 5:30 p. m.

John Lapes, of Cedar Rapids, Ia., was in town this week. The railway wreck in his vicinity gave him a lot of work, 15 funerals in one day being among the orders.

Zech & Mann had a fine Easter business and cleaned up well. Roses of extra quality and good bulb stock are being handled this week.

O. Friedman had a full-page advertisement in the Evening Post last Friday.



# Plenty of Stock for All Occasions

## BEAUTIES

We are cutting heavily on the long-stemmed flowers, and have plenty of the short and medium grades.

## ROSES No Better Stock in the West.

Specially strong on Jardine, Maryland, Killarney, Maids, Richmond, Fields, Brides, Kaiserin.

## Choice Carnations

Our strong point. We lead them all. Fancy Red, White and Pink.

## Greens Of all kinds. Bulb Stock All kinds in large supply.

We Satisfy Others. We Can Satisfy You.

From a New Customer in Iowa:

J. A. BUDLONG, Chicago:

Cut flowers of March 25 came in fine shape and were very satisfactory. That is the first box of carnations I have received from Chicago in 10 years packed in that way, and I think it a big improvement on shipping them in bunches.

Yours very truly.

Iowa, March 27.

Special attention  
given to out-of-  
town orders.

# J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and  
Carnations  
A Specialty.....

WHOLESALE  
GROWER of CUT FLOWERS

The immense stock at Peter Reinberg's was sold out in nearly all lines. Knowing the danger in shipping in hot weather the flowers had been kept cut closely right along, consequently, when Easter came, there was no pickled stock to move, but an enormous amount of fine fresh flowers that sold on sight to local retailers and was just the kind for sending long distances. The Daily News describes Mr. Reinberg as a "quiet but efficient alderman," and as there is no republican candidate for alderman in his ward there seems to be no doubt as to his re-election.

The Inter-Ocean waxes merry on the subject of the park employes—who are now busily engaged in killing oyster-shell scale on the trees—wearing auto-goggles and other quaint uniforms to protect themselves and their clothes against the effects of the strong sprays used.

On Monday the store of E. F. Winterson looked pretty bare, the great stock of Easter plants and cut flowers being all cleaned out. "The biggest business ever" was Ed. Winterson's comment, though some of the later sales had to be at low prices, especially on plants.

Wendland & Keimel, of Elmhurst, have three houses 27x200 feet completed and ready for planting to White Killarney roses, this making 10 houses in all; seven are planted to Killarney and three to White Killarney. The new houses were built by J. C. Moninger Co.

Wietor Bros. moved their immense Easter cut with very little trouble, and report a fine business. Prices, of course, had to be shaded a little at the last, but they kept up fairly well owing to the quality of the goods offered.

The death March 29 of Otto Lucius, local representative of the Anheuser-Busch Brewing Co., gave the designers considerable work, much of which went to A. Lange, including the American Beauty casket cover.

Hoerber Bros. had magnificent stock for the Easter trade and a busy time. They sold up well on everything.

A. Lange's busy force on Saturday last included Mrs. Dawdall, formerly Miss Cassie Arnold, of Omaha.

John Kruchten has been showing fine, long stemmed antirrhinums during the week.

Yellow chrysanthemums are among the offerings at the A. L. Randall Co.'s this week.

There are "For Rent" signs on two former flower stores on North State street.

Visitors: W. S. Pilcher, St. Louis, Mo.; John Lapes, Cedar Rapids, Ia.

### Mt. Sterling, Ky

Graser & Humphreys used a blotter with some verses and other advertising matter to attract Easter business. The blotters were distributed two weeks before the festival in all the offices and stores of their city and they are well pleased with the results. This firm's Easter business has been very satisfactory. The verses used on their blotter are as follows:

You have all heard of Graser & Humphreys,  
Growers of choice flowers galore;  
They ship 'em from ocean to ocean,  
And bring them from far away shores.

They are planning for a big Easter business,  
And trust all the boys that have gals,  
Both married and single together,  
Will remember their fond, loving pals.

Cut flowers and plants they now offer,  
Choicest sorts I am sure all agree;  
Grown at home, they're cheap, without  
duties  
Of express charges or agents' fees.

Easter boxes the young ladies are talking,  
Blooming plants on the lips of the wives;  
And you get them at Graser & Humphreys,  
Sufficient is a word to the wise.

ROCKFORD, ILL.—J. J. Soper has purchased a 20-acre fruit farm in Roseburg, Ore.

## Wietor Bros.,

Wholesale Growers of

..CUT FLOWERS..

51 Wabash Avenue,

CHICAGO.

### Price List

| American Beauties,  | Per doz |
|---------------------|---------|
| Extra long .....    | \$ 4 00 |
| 36-inch stems ..... | 3 00    |
| 30-inch stems ..... | 2 50    |
| 24-inch stems ..... | 2 00    |
| 20-inch stems ..... | 1 50    |
| 15-inch stems ..... | 1 00    |
| 12 inch stems ..... | 75      |
| Short .....         | 50      |

|                               | Per 100        |
|-------------------------------|----------------|
| Killarney, extra .....        | \$ 8 00        |
| " medium .....                | 6 00           |
| " good .....                  | \$3 00 to 4 00 |
| Richmond, extra .....         | 8 00           |
| " fancy .....                 | 6 00           |
| " good .....                  | 4 00 to 5 00   |
| Mrs. Jardine, extra .....     | 6 00 to 8 00   |
| " fancy .....                 | 5 00           |
| " good .....                  | 4 00           |
| White Killarney, fancy .....  | 4 00 to 8 00   |
| Brides and Maids, fancy ..... | 4 00 to 8 00   |
| " good .....                  | 3 00           |
| Uncle John, fancy .....       | 5 00 to 8 00   |
| " good .....                  | 3 00 to 4 00   |
| Perle, fancy .....            | 10 cents       |

ROSES, our selection..... \$4 00

|                                      |              |
|--------------------------------------|--------------|
| Carnations, extra fancy .....        | 3 00         |
| Easter Lilies, short \$2 00 per doz. |              |
| Valley .....                         | 3 00 to 4 00 |
| Asparagus Plumosus,                  |              |
| extra quality, per bunch .....       | 75c          |
| Fancy Ferns, per 1000 .....          | \$2 50       |

All other stock at lowest market rates.

Prices subject to change without notice.  
No charge for packing.

PORT HURON, MICH.—John Jowett is building a new greenhouse.



# PLENTY OF STOCK In All Lines

A record-breaking Easter led to a tremendous demand for our stock, but the continued fine weather has brought the flowers along rapidly, and we are cutting heavily on all the better grades of Beauties, Roses and Carnations, with all other seasonable stock in first-rate order.

**SEND US YOUR ORDERS AND THEY WILL BE TAKEN CARE OF.**

## AMERICAN BEAUTIES

|                       | Per doz. |
|-----------------------|----------|
| Extra long stems..... | \$3 00   |
| 30 inch stems.....    | 2 50     |
| 24 inch stems.....    | 2 00     |
| 20 inch stems.....    | 1 50     |
| 15 inch stems.....    | 1 00     |
| Short stems.....      | 75       |

|                                          |                  |
|------------------------------------------|------------------|
| Chatenay, Mrs. Field, Uncle John, Bride, | Per 100          |
| Bridesmaid, Ivory, Sunrise and Perle...  | \$4 00 to \$6 00 |

|                              | Per 100            |
|------------------------------|--------------------|
| Richmond and Killarney ..... | \$ 4 00 to \$ 8 00 |
| Carnations .....             | \$ 1 50 to 2 00    |
| Fancy.....                   | 4 00               |
| Harrisii .....               | 12 50              |
| Valley.....                  | 3 00 to 4 00       |
| Adiantum.....                | 1 00               |
| Asparagus, per bunch.....    | 75                 |
| Ferns, per 1000.....         | 2 50               |

**2,000,000 FEET OF MODERN GLASS.**

**PETER REINBERG, 35 Randolph St., Chicago**

### Detroit.

#### EASTER A RECORD-BREAKER.

Easter trade was the greatest, most successful and satisfactory in all respects ever experienced in this city. Owing to the early date of the event, everyone was apprehensive of the weather. The growers were fearful of not being able to mature some classes of stock in proper time, and the retailers were very anxious for weather conditions favorable to both the shoppers and the safe delivery of orders; but to the surprise and delight of all, the weather conditions were most favorable, commencing with the first day of the week and continuing to and including Easter Sunday. This most propitious factor, coupled with that of the present general prosperity, brought the inevitable result—an unprecedented demand—and it is doubtful if any dealer was able to fully supply it in a proper manner solely on account of inadequate facilities for handling the stock and serving the public. A distinct feature of the trade was the advance purchases made throughout the week both for immediate delivery and for Saturday and Sunday. It is difficult to state which item of the great variety of stock offered was most popular. In some stores, where Easter lilies were fine plants they easily maintained the ascendancy. In others where, perhaps, the stock was of poor or indifferent quality the azalea would lead in the higher priced articles, closely followed by spireas and the finely grown plants of bulbous stock. Very few ferns or other foliage plants were called for. Many plant baskets were sold by a few stores that had prepared a splendid line. In cut flowers the violet easily led all other flowers in popularity. Sweet peas were in great demand and were the only cut flowers except violets that were short in supply. Thousands of carnations, roses and bulbous flowers were sold, but no fancy prices were realized because the visible supply so nearly equaled and in some cases exceeded the demand. There was an enormous stock sent in from the many growers in this vicinity and from distant points too, some regular and other occasional consignors to the local commission houses, and a practical demonstration of the "survival of the fittest" was omnipresent.

### NOTES.

The Michigan Cut Flower Exchange was a scene of the most active and extensive movement of both plants and cut flowers ever seen at one place in this city. This firm is developing a great shipping trade besides supplying more than nine-tenths of the local retailers.

B. Schroeter is the proud possessor of a new auto delivery which was initiated into service last Saturday and was a great aid in the rapid distribution of the greatest number of plants in his experience.

J. A. Briscoe, who for several years conducted the Wildemere Gardens at Highland Park, died March 25. Several florists furnished a great number of flowers for the funeral held March 28.

Mrs. J. F. Sullivan's health was sufficiently restored to permit of her presence at the store the past week, where she was warmly greeted by hundreds of friends after her protracted illness.

### Nashville.

Easter weather in this city was all that could be desired and yet, strange to say, there was a falling off in the volume of trade as compared with last year. In the early morning a visit to the market house found a splendid display of flowers. Nearly all the growers who had salable stock of any kind had either wagons loaded with flowers or stalls in the market. Trade did not open up early, but good sales direct from various greenhouses were reported. There were quantities of lilies, well grown and full flowered, which found ready sales. The leading growers had superb and abundant stocks and, as fast as the shelving was cleared, another big stock would be brought in to replenish. By noon the trade had become more brisk and continued to a satisfactory finish.

### NOTES.

With the Joy Floral Co. everything was in a state of activity and a small army of young men and women were kept busy with their customers. The store was a thing of beauty, with its hundreds of beautiful plants. Some very pleasing novelties were sold. Pot lilac, both white and purple, were well flowered and attractive, but the lilac is not as great a favorite here as in more northern lat-

itudes. In a very few days all our country gardens will be full of lilac, that far surpasses the best greenhouse grown. The plants were all sold, at a good price. The company also had fine rhododendrons which sold well. A particularly pretty arrangement was a green fancy basket with a lavender rhododendron bedded in lace-like asparagus and maidenhair, with a bow of lavender ribbon of a deeper shade on the handle. The basket was one of the first ones sold. Luxuriant plants of Baby Rambler were good sellers and but few were left at the end of the day.

Geny Bros. never had a better stock, and their store was filled with the choicest of pot plants, lilies, azaleas, hyacinths, cinerarias, tulips, valley and others in season. Their stock of fancy baskets was large and the sales on them fine. At the end of the day a noticeable thinning out of the baskets was very apparent. Some of these were very artistic and put up with excellent taste. Ribbons and gauzes were used effectively and added to the beauty of the designs. Quite a number of extra employees were necessary to wait on the trade.

Shortly before Easter the funeral of Dr. William Morrow made one of the largest of calls for flowers. Dr. Morrow was at one time the treasurer of the state and afterwards lessee of the state penitentiary, and a very wealthy man. His friends and those of his family were legion and hundreds of floral pieces were sent to the funeral. One of the most striking was a crown made of violets and yellow daffodils.

The growers had to contend with the exceedingly warm weather that prevailed for several days before Easter. Tulips and hyacinths, roses and other flowers opened out too full for perfect beauty. A novelty noticed was bleeding-heart, pot-grown and in full flower and ageratum was very attractive and, moreover, inexpensive. The largest sales were on plants.

M. C. D.

### Consular Trade Reports Compete

#### WITH DEPT. OF AGRICULTURE BULLETINS.

When wide-eyed with the cares that infest the day, turn on the light, take up "The Prospective Market for American Plows in Asia Minor," and presently Morpheus will swat thee gently with his wand.—Chicago Tribune.







## American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

## Grafted and Own Root Rose Plants

Killarney, Richmond, My Maryland, White Killarney,  
(Waban strain), Kaiserin, Bride and Bridesmaid

Send for Prices

W. H. Elliott, Brighton, Mass.

## Rice Brothers

Wholesale Florists and Supplies,

115 N. 6th St., MINNEAPOLIS, MINN.

Cut Flowers received twice daily. Can fill your order to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities.

## THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

## Weiland & Olinger

128 E. Third St., CINCINNATI, O.

Wholesale Growers and Shippers of Cut Flowers.

Boston.

STOCK PLentiful AND CHEAP.

This has been a lively week for growers and retailers alike. The weather has been unusually mild and resulted in flooding the markets with all kinds of stock. There was an abundance of everything the last few days. The warm spell of weather played havoc with single violets but the doubles held out well. The demand for good cut lilies was very heavy and many dealers ran short. Candidums were rather short in stem and supply. Carnations were plentiful enough for all purposes. The anticipated shortage of Beauties did not materialize as there was an ample supply. Cattleyas were in good demand and there was not enough to go round. Sweet peas are coming in quite heavy. Some of the larger growers are running very strong on peas and they will be glad to see the end of the violet season. Bulbous stock has been coming in unusually strong all the week. The favorable weather was a boon to both growers and street dealers and great quantities of stock were taken from the markets by the street men. Pansies and primroses are coming in heavy, and both sell well. Considerable double and single stocks came in and sold fairly well. Roses of all kinds were plentiful except good Richmond. Snapdragon, mignonette, etc., were all plentiful. Gardenias are coming in freely now from the local growers and the quality is good. Both -markets were taxed to the limit to handle the volume of business over Friday and Saturday. Everything seemed to go smoothly but the downward trend of prices was a little disappointing to the growers. The plant trade was satisfactory to all concerned. There was a shortage of large sized ramblers and gardenias.

### NOTES.

The various retail stores are unanimous in reporting the heaviest plant trade they ever experienced. The display of flowering plants was the most tempting we have seen. Cut flower trade is giving way more every

## HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

## Wholesale Flower Markets

| BOSTON, Mar. 30.      |        | Per 100 |
|-----------------------|--------|---------|
| Roses, Beauty, best   | 35 00@ | 60 00   |
| " " medium            | 25 00@ | 30 00   |
| " " culls             | 5 00@  | 10 00   |
| " " Bride, Bridesmaid | 3 00@  | 6 00    |
| " " Extra             | 6 00@  | 10 00   |
| Carnations            |        | 2 00    |
| selected              | 4 00@  | 8 00    |
| Callas                | 8 00@  | 16 00   |
| Cattleyas             | 50 00@ | 75 00   |
| Lilium Longiflorum    | 10 00@ | 12 00   |
| Lily of the Valley    | 2 00@  | 4 00    |
| Smilax                | 12 00@ | 16 00   |

| ST. LOUIS, Mar. 30.       |        | Per 100 |
|---------------------------|--------|---------|
| Roses, Beauty, long stems | 25 00@ | 35 00   |
| " " medium stems          | 15 00@ | 20 00   |
| " " short stems           | 4 00@  | 6 00    |
| " " Bride, Bridesmaid     | 4 00@  | 8 00    |
| " " Chatenay              | 5 00@  | 8 00    |
| " " Killarney             | 5 00@  | 8 00    |
| " " My Maryland           | 5 00@  | 6 00    |
| " " Richmond              | 5 00@  | 8 00    |
| Carnations                | 2 00@  | 2 50    |
| fancy                     | 3 00@  | 4 00    |
| Callas                    |        | 12 00   |
| Easter Lilies             | 12 50@ | 15 00   |
| Jonquils                  | 1 50@  | 2 00    |
| Narcissus                 | 2 00@  | 2 50    |
| Sweet Peas                | 25@    | 60      |
| Adiantum                  |        | 1 50    |
| Asparagus Sprengerii      | 2 00@  | 3 00    |
| Smilax                    | 12 50@ | 15 00   |

| CINCINNATI, Mar. 30.           |        | Per 100 |
|--------------------------------|--------|---------|
| Roses, Beauty                  | 2 00@  | 6 00    |
| " " Bride, Bridesmaid          | 3 00@  | 8 00    |
| " " Golden Gate                | 3 00@  | 8 00    |
| " " Killarney                  | 4 00@  | 10 00   |
| " " Richmond                   | 4 00@  | 10 00   |
| Carnations                     | 2 00@  | 3 00    |
| Callas                         |        | 12 50   |
| Daffodils, outdoor             |        | 50      |
| Daisies                        |        | 50      |
| Hyacinths, Miniature Dutch     |        | 4 00    |
| " " Roman                      |        | 3 00    |
| Lilium Longiflorum             | 12 50@ | 15 00   |
| Lily of the Valley             | 3 00@  | 4 00    |
| Narcissus, Paper White         |        | 3 00    |
| Sweet Peas                     | 50@    | 75      |
| Tulips                         | 3 00@  | 4 00    |
| Adiantum                       | 1 00@  | 1 50    |
| Asparagus Sprengerii, per bch. | 25     |         |
| Smilax                         | 12 50@ | 20 00   |

| MILWAUKEE, Mar. 30.     |            | Per 100 |
|-------------------------|------------|---------|
| Roses, Beauty           | 1 50@      | 5 00    |
| " " Bride, Bridesmaid   | 3 00@      | 8 00    |
| " " Killarney           | 4 00@      | 8 00    |
| " " Liberty, Chatenay   | 2 00@      | 8 00    |
| " " Perle               | 3 00@      | 6 00    |
| " " Richmond            | 4 00@      | 8 00    |
| Carnations              | 1 50@      | 3 00    |
| Lilium Giganteum        |            | 10 00   |
| Lily of the Valley      |            | 4 00    |
| " " Trumpet Major       |            | 3 00    |
| " " Von Sion            |            | 3 00    |
| Sweet Peas              | 50@        | 1 50    |
| Tulips                  | 2 00@      | 3 00    |
| Violets                 | 50@        | 75      |
| Adiantum                |            | 1 50    |
| Asparagus               | per string | 50@ 60  |
| " " Plumosus, per bunch |            | 50      |
| " " Sprengerii          |            | 35      |
| Ferns, Fancy            | per 1000   | 2 50    |

year to the plant trade and the results are more satisfactory to both dealer and customer.

Chas. F. Boyle of Thomas F. Galvin, Inc., was taken suddenly ill and obliged to go home Easter Saturday morning. Mr. Boyle is one of the most popular young men in the trade and his friends all hope to see him out again shortly.

—THE—

J. M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES  
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Mention the American Florist when writing

## H. G. BERNING,

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

## C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

## WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Both L. D. Phones, Supplies and Everything in Season always on hand

S. Hoffmann was unfortunate enough to run a nail in the sole of his foot recently and he experienced considerable difficulty in keeping on his feet during the rush of Easter. His Easter trade was all he could handle.

The Waban Rose Conservatories sent in a fine lot of Killarney and White Killarney. The Richmond from this firm was also remarkably good and proved to be just what everybody was looking for.

Welch Bros. report the heaviest trade they have had for years, the out-of-town trade being especially good.

R.

DOVER, N. J.—Payne & Louis are increasing their greenhouse plant.

LANSING, MICH.—Ministers from out state will take a course of instruction in raising garden truck. The course will start July 11 and cost approximately \$4.



# Roses

Our stock of Roses is hard to beat for quality. Our growers are in with heavy crop, and a large supply insures best selection. Our leaders are

PINK and WHITE KILLARNEY, MARYLAND.  
RICHMOND, KAISERIN.

THE LEO NIESSEN CO., Business Hours: 7 a. m. to 8 p. m. Wholesale Florists, 1209 Arch Street, Philadelphia, Pa.

## The McCallum Co., Inc.

Exclusive Agents For

**BECKERT'S SPANISH IRIS** Blue Now  
Yellow—White Next Week.  
**937 Liberty Avenue, PITTSBURG.**

### Pittsburg Florists' Exchange Wholesale Cut Flowers Everything Seasonable

Headquarters for Ferns, Galax, Leucothoe and Wild Smilax, and carry a large supply of the best on hand at all times. We quote the following interesting prices on small or large quantities.

Ferns, fancy and daggers, \$1.25 per 1000  
Galax, green and bronze 65c per 1000.  
Leucothoe, green and bronze 65c per 100.

Wild Smilax, large cases, \$4.50 per case.  
15 Diamond Square, PITTSBURG, PA.

Philadelphia.

THE EASTER BUSINESS.

The Easter of 1910 is past. We can look back and say it was great or near great, or just plain ordinary as the case may be. In speaking with a number of people, some said it was very good, others said the same, but there was not much emphasis on the very; while many said, oh, it was just about as usual. All were agreed on the subject of the weather, which after all was the feature of the week and a most important factor. It was clear and mild every day and just a little too warm on Friday. In all our recollection we have never had such favorable weather. Frederick Hahman said it was almost unbelievable if one had not experienced it. As to what sold the best in the plant line, we will, as usual, give first place to the lily. The growers, as a rule, did not do them as well as usual. One grower said he believed that always in the winter the lily men got to thinking too much about the early Easter, and in order to make sure had placed the bulbs in the heat before they were properly rooted, and in consequence they set very few buds to the plant. It was given out that lilies would be scarce and most growers were able to secure \$12 per 100 buds and blooms for short stemmed stock that in years past would not have been accepted. This small stock, however, when made up into bulb pans, several pots together with 15 or 20 blooms, sold very well and was preferred by many to the taller stock. Azaleas were numerous and in most cases very well flowered; they were in great demand, particularly in the medium sizes. Hydrangeas were as popular as ever, but most of the stock offered was too short and squat, probably caused by the hard forcing. There was, however, some very fine specimens of hydrangeas which brought fancy prices. The pink ramblers were very popular, completely outclassing the old Crimson Rambler. Tausendschon is a most valuable addition to the list of Easter

### Pittsburgh Cut Flower Co., Wholesale Florists and Growers.

The House that has and sells good goods at fair prices.

Salesrooms, 222 Oliver Ave.

PITTSBURGH, PA.

Choice Assortment of CUT FLOWERS will be found here.

WRITE FOR PRICES.

**W. E. McKissick & Bros.**

WHOLESALE FLORISTS.

Business Hours 7 a. m. to 8 p. m. 1619-1621 Ranstead St., PHILADELPHIA, PA.

**Absolutely  
The Best Possible  
Service.**

### Wholesale Flower Markets

| PHILADELPHIA. Mar. 30.     | Per 100     |
|----------------------------|-------------|
| Roses, Beauty, extra.....  | 35 00@50 00 |
| "    first.....            | 15 00@20 00 |
| "    Brides and Maids..... | 6 00@10 00  |
| "    Tea.....              | 6 00@10 00  |
| "    extra.....            | 12 00@20 00 |
| Carnations.....            | 4 00@6 00   |
| Cattleyas.....             | 50 00@75 00 |
| Lilium Harrisii.....       | 12 00@15 00 |
| Lily of the Valley.....    | 4 00@5 00   |
| Mignonette.....            | 4 00@5 00   |
| Sweet Peas.....            | 75@1 00     |
| Violets, single.....       | 75@1 00     |
| double.....                | 75@1 00     |
| Smilax.....                | 15 00@20 00 |
| Daffodils.....             | 2 00@3 00   |
| Tulips.....                | 2 00@5 00   |
| Asparagus.....             | 1 00@1 50   |
| Callas.....                | 12 00@15 00 |

| PITTSBURG. Mar. 30.             | Per 100     |
|---------------------------------|-------------|
| Roses, Beauty, special.....     | 25 00@40 00 |
| "    extra.....                 | 15 00@20 00 |
| "    No. 1.....                 | 8 00@12 00  |
| "    Bride, Bridesmaid.....     | 2 00@6 00   |
| "    Chatenay.....              | 2 00@6 00   |
| "    Killarney.....             | 2 00@6 00   |
| "    My Maryland.....           | 2 00@6 00   |
| "    Richmond.....              | 2 00@6 00   |
| Carnations.....                 | 1 50@3 00   |
| Callas.....                     | 8 00        |
| Cattleyas.....                  | 50 00@60 00 |
| Daffodils.....                  | 1 00@3 00   |
| Gardenias.....                  | 35 00@50 00 |
| Lilac, white..... per bunch,    | 1 00@1 50   |
| Lilium Longiflorum.....         | 10 00       |
| Lily of the Valley.....         | 4 00        |
| Mignonette.....                 | 4 00        |
| Narcissus.....                  | 3 00        |
| Pansies.....                    | 1 00        |
| Primroses.....                  | 50@75       |
| Sweet Peas.....                 | 50          |
| Tulips.....                     | 3 00        |
| Violets, double.....            | 50@75       |
| single.....                     | 25@50       |
| Adiantum.....                   | 1 50        |
| Asparagus Sprengeri, per bunch, | 50          |
| strings... per string,          | 50          |
| "    sprays... per bunch,       | 50          |
| Smilax.....                     | 15 00       |

plants. If well grown it becomes covered with a cloud of semi-double blossoms of varied shades of pink which, combined with the glossy green of the foliage, makes it well nigh irresistible.

The Robert Craig Co. had them trained as umbrellas, pyramids, globes, and natural grown plants, in from 6 to 9-inch pots, and dealers found them one of the best sellers. Genistas were good stock, but local growers do not, for some reason, give much attention to this lovely plant. Rhododendrons sold well. Bougainvilleas, however, were not such favorites as a few years back and hung fire. All kinds of bulbous stock in pans were handled in quantity. Lily of the valley in pots was scarce and was often asked for in the stores, but the small supply soon ran out. Spireas, Gladstone almost exclusively, moved very slowly. The pink variety is not a good forcing sort, as it is scarcely ever seen in good color. The cut flower demand could not be classed as strong, in fact, it was lighter than usual, except for violets, valley and gardenias, of which quantities were sold as flowers to wear. All the stock of these were well cleaned up before the demand was supplied. Roses, except the red ones, which sold well, to take the place of Beauties, which were held high, hung fire. On Monday morning the street gentry were offering Killarney with 24 to 30-inch stems at low prices, all stock left over from the Saturday previous. An immense quantity of cut flowers and plants were disposed of on the streets. Empty stores were stocked by many who took a flyer in the hope of coming out ahead. Most of them sold out fairly well, as did the street men, although in plants, large quantities were offered at prices that were much below cost on Market street on Saturday evening.

The commission men all claim to have done a satisfactory business. The Leo Niessen Co. is well satisfied, having a very large business. Violets, orchids and valley sold extremely well, as did red roses. Daffodils were also in good demand and, taken altogether, they moved a lot of stock and were much pleased with the outcome.

K.



## New York.

## MARKET OVERSTOCKED.

While an immense amount of cut stock was received and disposed of by wholesalers during the two days preceding Easter, the net results were unsatisfactory. Men old in the business agree that they never before saw so much stock sell so cheap at Easter. There was an immense stock, due in part to a week of bright and warm weather, and the arrivals of good, bad and indifferent stock were simply immense. The warm weather brought out many lilies before their time and they had to be cut, thus contributing to the surplus. There was also a great surplus of tulips and narcissus. There was complaint that much rose stock had been held back for several days and was practically unsalable. We do not propose to dilate on this feature, but merely to state that hereafter, the matter of holding growers' stock too long is likely to adjust itself. With an abundance of flowers, the fresh ones will sell. Forty dollars per 100 was the ruling price for special American Beauty roses, and they did not seem to be a swift proposition at that. Richmond roses sold well and very fine specials were about as good property as Beauties. Killarney was the leading pink rose, but much of the stock sold very low. There were instances where good No. 2 sold for \$1 per 100, and from that up to \$12-\$15 for specials. It is understood that there is always a little very special stock that brings a little more than the average. After the stress of the all-day-and-night business of Saturday, a leading dealer said: "Nobody seemed to want Bridesmaid roses this Easter; at least they never asked for them here." Another dealer, carrying a good stock of White Killarney, said that they were hard to move. An immense stock of carnations was sold at prices ranging from \$2 to \$4 per 100, the novelties touching \$5 and \$6. Good violets on the last call went much better than was expected. Many poor ones were on the market and they went to the street men at very low figures. The sales of orchids and gardenias were considerable, the remarkably fine weather going far toward helping out all stocks that are used in corsage bouquets. The plant and cut flower trade was both practically crowded into Saturday which made it harder for both wholesalers and retailers. Friday, March 25, was an unseasonably warm day. Whether it was that or other reasons, there was little doing in the retail stores, but buying began in earnest on Saturday, and continued, as to cut flowers, up to Sunday noon. There was an abundance of good plants; azaleas were very fine and sold well. There were also many fine pot roses, rhododendrons, genistas, ericas and other plants. Good lilies sold well, but it cannot be said that the average quality of lilies was anything to boast of. Well arranged tulips and hyacinths in pans of medium size went very well. There was a notable absence of many of the large and expensive plant combinations often seen in former years, although there were many good ones of moderate size and at reasonable prices. It would seem that the business must have been more satisfactory to the retailers than any other branch of the trade. They bought practically at their own figures, and the weather was ideal for delivering.

March 28.—There is the usual quiet in the market that always follows a great holiday. As an afterview it appears that while there is much dissatisfaction, conditions were quite as good as could have been expected, considering the great volume of stock.

March 30 (By wire).—Owing to the abnormally warm weather the market is thoroughly demoralized. Special American Beauty roses are selling at \$8-\$25 per 100.

## AMONG THE RETAILERS.

Outside of this city there are a number of people who imagine that nearly all the business is done on Broadway and Fifth avenue. We will agree that they are great business streets, but there are others. The retailers of Sixth, Columbus, Madison and Third avenues, as well as other streets and avenues, are also to be reckoned. On Sixth avenue, the store of Herman Kuhn was very noticeable. His store was finely stocked with plants and attracted much attention, and he had a fine business. Peter Bogart is another of the Sixth avenue dealers who always comes out strong at the holiday seasons.

A feature of the Easter trade was the plant auctions. John P. Cleary sold for the Fruit Auction Co. an immense stock of flowering plants and, as a rule, realized good prices. The auctions of Wm. Elliott & Sons were likewise noteworthy features of the trade.

One of the features of Saturday was the flowers seen at the funeral of City Magistrate Finn. The funeral was held from St. Peter's church, Barclay street, and there were 12 carriages filled with floral designs, some of them being of unusual size and beauty.

Myer, of Fifty-eighth street and Madison avenue, is one of the young men in the retail business who has been coming rapidly to the front in the past few years. His Easter stock was very fine and he had good business.

The firm of David Clarke's Sons has long been known to the trade as doing an immense family trade. They have a very large store and for Easter took large additional space for their plants and their business was very heavy.

Young & Nugent made a great display of plants and sold out well. Nothing in Twenty-eighth street attracted more attention than their window of pink azaleas.

Charles A. Dards' store is always well stocked and it was particularly attractive at Easter with the best things in plants, lilies, azaleas, bougainvilleas and roses being noticeable.

At Alexander McConnell's there was a great stock of fine plants, noteworthy being orchids in pots, hydrangeas, roses and ericas.

M. A. Bowe is in the theater district, but he can sell plants at Easter as well as great quantities of cut flowers.

## Baltimore.

## A GREAT EASTER.

Doubtless there never was a greater Easter in amount of sale and general distribution of products than that just passed. The whole population seemed taken with a frenzy for plants and flowers, and churches, homes, stores and cemeteries were decorated with every conceivable variety of seasonable examples of the skill and taste of the gardener and florist. Contributory to the general disposition for such display was the delightful weather. The week began cool, but by the middle the thermometer was touching the eighties, and everybody was outdoors. The impression had gone abroad that flowers would be scarce, especially lilies, but there never was such an outpouring of all kinds, sizes and varieties, as rushed into the market from Wednesday morning on. The bright sun and great heat brought out everything, and the stores, markets, street vendors' stalls and the Florists' Exchange were all simply inundated with roses and

lilies, carnations and jonquils, violets and freesias, all coming in as though the sluice-gates of some great canal of supply had been thrown open. Much of this material, it is safe to say, had been kept too long, and the consequence was there was much trouble in satisfactorily filling orders. Many orders came back, protested or annulled, and the time for diplomacy had arrived. But by mutual concession, patience and good temper, almost everybody was placated and silenced—if not satisfied—and no one but had enough for all calls. The perfection of weather for display and delivery, the great throngs on the streets of buyers, all contributed to the pleasure of doing business, so opposite to the experience which a cold, a windy or a sleety Easter is so apt to offer when its date comes so early as happens this year. From every location the same report comes in that it was "the best ever," and one pleased Charles street retailer printed a card on Easter Monday expressing gratitude for the appreciation by his patrons as shown by their generous patronage. A great deal more business could have been done by the Florists' Exchange in the line of shipping orders for plants had there been time for boxing or crating, but the rush of belated orders made the thing impracticable. The exchange on Saturday did probably the largest day's business it has ever transacted in a single day. The force was considerably enlarged, worked all Friday night and was pretty well worn out by Sunday morning. The same goes without saying of the retailers, who apparently neither stopped to sleep or eat.

Peter C. Erdman, a well-known and extensive grower on Dohler avenue, near Erdman avenue, lost his dwelling house and all its contents by fire on Easter morning. The family had not arisen and the inmates of the home had a very narrow escape from death. Some of the neighbors arrived in time to rescue the children who were asleep in their beds, but the house and furniture were practically entirely destroyed. The loss is something like \$5,000, the dwelling being insured, but not the furniture. None of the green-houses were injured.

John Cook and Mrs. Cook are making their way homeward by easy stages. After a stay of some 10 days in Cuba, they returned to Florida and have been stopping at the various points of interest. When last heard from they were spending a little time in the ancient and attractive city of Savannah. S. B.

GLOVERSVILLE, N. Y.—Richard Loeben has opened a store at the Windsor hotel.

PHILADELPHIA, PA.—A most attractive spring flower exhibition has been held at Fairmount park.

EASTON, PA.—Paul Kaffke has sold his business at Third and Church street to Arthur Kleinhans.

SAN DIEGO, CALIF.—Miss Kate Sessions has been at Paradise Valley sanitarium several months with poor health.—Geo. T. Otto has been confined to his home several weeks with sciatic rheumatism.

CHESTNUT HILL, PA.—The Horticultural Society held its annual spring exhibition in the library building at 8711 Germantown avenue, March 22. An interesting paper on "Bulbs and Their Cultivation" was read by F. J. Day and a general discussion followed. Carnations, hyacinths, cinerarias, tulips, narcissus and Easter lilies made up the exhibition, which was in every respect a creditable one.



1887

Telephone 167 Madison Square.

1910

# J. K. ALLEN,

Wholesale Commission Florist,  
Established 1887.

106 West 28th Street,

NEW YORK CITY.

Open the year around to receive shipments of Cut Flowers.

Open Every Morning at 6 a. m.

Prompt Returns To Shippers

A. L. YOUNG & CO., 54 W. 28th St. and Manhattan Flower Market, 46 W. 28th Street, NEW YORK  
Tel. 3559 Mad. Sq. Telephone 1016 Madison Square.

WHOLESALE FLORISTS. Consignments of Choice Cut Flowers Solicited. Prompt Payments. Give Us a Trial

## Traendly & Schenck,

WHOLESALE FLORISTS,

44 WEST 28th STREET.  
Phones, 798 and 799.

NEW YORK.

## CHARLES MILLANG

Wholesale  
FloristOn the ground floor of New York Cut Flower Co.  
and Cut Flower Exchange,26th Street and 6th Avenue and  
444 6th Avenue, NEW YORK

Open from 6 a. m. to 6 p. m. The "Hub" of the Wholesale District.

## Young & Nugent,

Telephone 2065-2066 Madison Square.

42 West 28th Street,

To out of town florists  
We are in the Heart of

New York

And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

**Alexander J. Guttman,**  
**THE WHOLESALE FLORIST OF NEW YORK**  
34 WEST 28th STREET,  
PHONES, 1664-1665 MADISON SQUARE  
ENOUGH SAID.

Give us a  
Trial  
We can  
Please you.Roses, Carnations and all kinds of  
Seasonable Flowers in Stock.

**WM. F. KASTING CO.** Wholesale  
Commission Florists.  
BUFFALO, N. Y.  
Florists' Supplies and Wire Designs.

## Wholesale Flower Markets

| NEW YORK, Mar. 30.                  |             |
|-------------------------------------|-------------|
| Roses, Beauty, special.....         | 20 00@25 00 |
| " " fancy.....                      | 15 00@20 00 |
| " " No. 1.....                      | 8 00@10 00  |
| " " No. 2.....                      | 3 00@ 5 00  |
| " " Bride, Bridesmaid, special..... | 6 00@ 8 00  |
| " " extra and fancy.....            | 3 00@ 5 00  |
| " " Killarney, special.....         | 8 00@10 00  |
| " " extra and fancy.....            | 6 00@ 8 00  |
| " " No. 1 and No. 2.....            | 2 00@ 4 00  |
| " " My Maryland.....                | 4 00@10 00  |
| " " Richmond.....                   | 3 00@15 00  |
| Carnations.....                     | 50@ 2 00    |
| Callas.....per doz.,                | 1 00@ 1 25  |
| Cattleyas.....                      | 25 00@60 00 |
| Gardenias.....per doz.,             | 1 25@ 3 50  |
| Hyacinths.....                      | 1 00@ 1 25  |
| Lilium Longiflorum.....             | 4 00@ 8 00  |
| Lily of the Valley.....             | 1 00@ 2 50  |
| Mignonette.....per doz.,            | 25@ 1 00    |
| Sweet Peas.....per doz. bunches,    | 50@ 1 00    |
| Violets.....                        | 25@ 40      |

| BUFFALO, Mar. 30.               |            |
|---------------------------------|------------|
| Roses, Beauty, special.....     | 5 00       |
| " " fancy.....                  | 4 00       |
| " " extra.....                  | 3 00       |
| " " Bride, Maid, Killarney..... | 4 00@12 00 |
| Carnations.....                 | 1 50@ 3 00 |
| Callas.....                     | 8 00@12 00 |
| Daffodils.....                  | 2 00@ 3 00 |
| Daisies.....                    | 1 00@ 3 00 |
| Hyacinths, Romans.....          | 2 00@ 3 00 |
| Jonquils.....                   | 3 00@ 4 00 |
| Lilium Longiflorum.....         | 8 00@10 00 |
| Lily of the Valley.....         | 3 00@ 4 00 |
| Mignonette.....                 | 2 00@ 4 00 |
| Myosotis.....per bunch          | 15@25      |
| Ferns.....                      | 2 00       |
| Galax.....                      | 1 50       |
| Leucothoe.....                  | 75         |
| Sweet Peas.....                 | 50@ 1 00   |
| Narcissus, Paper Whites.....    | 2 00@ 3 00 |
| Tulips.....                     | 2 00@ 3 00 |
| Murillo.....                    | 3 00@ 4 00 |
| Violets.....                    | 50@ 75     |
| Smilax.....                     | 15 00      |
| Asparagus Str.....              | 50@ 60     |

## FORD BROS.,

Receivers and Shippers of

Fresh Flowers

48 West 28th St., NEW YORK.

Telephone 3870-3871 Madison Square.

PITTSFIELD, ILL.—A fire occurred, March 17, at the Pittsfield Greenhouses owned by Mrs. Geo. Hansen. The damage was about \$500.

## Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756  
Madison Square. NEW YORK.

## HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty. Roses,  
Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.

## Walter F. Sheridan

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

39 West 28th St., NEW YORK.

FLOWERS SHIPPED BY—

## JOHN I. RAYNOR

Are the best product of the best growers  
for the New York market.

Adiantum Crevatum sold here exclusively.

49 West 28th St., NEW YORK

Telephone 1998 Madison Square.

## KESSLER BROS.

50 W. 28th St., NEW YORK.

CUT FLOWERS

Wholesale Plantsmen and Florists.

Phone 2336 Madison Shipments Everywhere.  
Prompt and satisfactory. Consignments solicited.

## August Millang

WHOLESALE FLORIST

41 W. 28th St., NEW YORK

## N.Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. &amp; W. 26th St., New York.

Open for Cut Flower Sales at 6  
o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

V. S. DORVAL, Secretary.

## B. S. Slinn, Jr.

WHOLESALE FLORIST

55 and 57 W. 26th St., NEW YORK

Telephones: 4620 4621 3864 Madison Sq.

VIOLETS  
CARNATIONS  
AND ROSES

Shipping Orders Receive Prompt Attention.

## ALFRED H. LANGJAHR

WHOLESALE FLORIST,

55 W. 28th Street, NEW YORK.

All flowers in season. Consignments of first-  
class stock solicited.

Phones 4626 and 4627 Madison Square.



Buffalo.

SATISFACTION ALL ALONG THE LINE.

Easter, the time that all engaged in flowers look forward to with greater eagerness than to any other busy time of the year, has come and gone and all must concede that this was the most ideal week of any in a great many years. The whole week was pleasant, and at no time was there any necessity for wrapping lilies or azaleas, which invariably cause so much anxiety to the florist. Roses were plentiful and of good quality. Carnations were never better than this year, both as to quality and quantity. The varieties were good, Winsor, White Perfection, Beacon, and several others. Violets, while a little smaller than we have had, were of good quality and sold well. Lily of the valley was a great seller and with violets, orchids, pink roses, yellow roses, and in many ways its increasing popularity was very apparent. Orchids and gardenias had a good sale; also marguerites, sweet peas and pansies. The sale of original corsages in special colors was never as large as this year. In plants, lilies were none too plentiful, but of good quality. While W. J. Palmer & Son and S. A. Anderson had them in quantities, as did a few others, the majority of the growers were late or had short plants. Lilies from the Lake View Rose Gardens were good. Azaleas were good and budded nicely, selling well. Tulips in pans, also spirea, had their usual sale. Madeup baskets sold well, especially those with a rambler or an azalea that would not exceed \$5 in price, larger ones in special arrangements not selling as well. Sunday was as fine and pleasant as Saturday, consequently trade was good until evening. There is no doubt but that all are satisfied.

NOTES.

Miss Louise Faul, who has charge of S. A. Anderson's Elmwood avenue store, lost her father last week after a long illness. Chas. Faul was one of our leading furriers, with one of the best business records, until his retirement about four years ago. Since then he had taken things easy and tried to regain his health.

The next meeting of the Florists' Club will be the first under President Streit, when his committees for the year will be announced, and ex-President Slattery will read his paper on Color Harmony and let the members hear it when there is not so much excitement.

Robert Scott is not able to walk as yet, but is improving very fast. It is now about three months since he injured his knee.

Wm. Schoenhut, William street, had a pretty show for Easter, his new store showing to good effect.

R. M. Rebstock is in the procession with an automobile for delivery.

BISON.

Pittsburg.

BUSINESS BEST ON RECORD.

The old saying, a poor beginning oftentimes has a good ending, applies to Lent as the Easter business here and in surrounding towns was the best in years. The weather was ideal for the patrons of the posie business. Corsages of all kinds were turned out by the thousand. The volume of business done in cut flowers and plants exceeds any holiday of former years. The weather Thursday and Friday was very unsatisfactory to the wholesaler and retailer. The temperature hovering around 90° shortened the supply somewhat, as the effect was very noticeable on the stock, tulips and violets suffering most, great numbers of them being rendered unfit for use.



FANCY



DAGGER

New Crop Hardy Cut Ferns

First Quality, \$1-25 per M.

ALSO DEALERS IN

Baled Spruce for Cemetery Use

BOUQUET GREEN, SPHAGNUM MOSS, Etc.

L. B. BRAGUE & SON,

Oldest, Largest and Most Reliable Dealers in the United States,

Hinsdale, Mass.



FANCY.

Henry M. Robinson & Co.

Wholesale Commission Florists.

Cut Flowers of all kinds, Hardy Cut Evergreens and Florists' Supplies.

Dagger and Fancy Ferns..... \$1.50 per 1000  
Bronze and Green Galax..... \$1.00 per 1000; 8.50 per 10 000  
Leucothoe Sprays..... \$1.00 per 100; \$7.50 per 1000

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays,

A large stock constantly on hand. Can fill orders at a moment's notice, Telephone or telegraph.

Telephones: 2617-2618 Main; Fort Hill 25290.  
15 Province Street and 9 Chapman Place,

BOSTON, MASS.



FANCY FERNs, \$1.75 per 1000

New Crop Galax, Bronze or Green..... \$1.25 per 1000; 10.00, \$7.50  
Sphagnum Moss, large bales..... \$1.25; 6 bales, \$7.00. Extra fine  
Leucothoe Sprays, Green and Bronze..... \$1.00 per 100; \$7.50 per 1000  
Boxwood..... per bunch, 35c; 50-pound case, \$8.50

Florists in the Middle and Western States can save money by placing their orders with us, A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists and Florists' Supplies,

38-40 Broadway,

All phone connections.

DETROIT, MICH

George Cotsonas & Co.

Wholesale and Retail Dealers

in all kinds of

Evergreen

Fancy and Dagger Ferns, Bronze and Green Galax.  
Phone 1202 Mad. Sq.

Main Store, 50 W. 28th St., NEW YORK.

New Crop Ferns

FANCY and DAGGER ready May 1st.  
Special price for large orders  
Price \$1.25 per 1000.

CALDWELL THE WOODSMAN CO.,  
Evergreen, Alabama

Quite a few pickled carnations were in evidence, but the intense heat quickly qualified them for the barrel. American Beauty roses were very much sought. Saturday found the market bare, consequently many orders had to go unfilled. The shortage on Richmond caused a rush for them. Saturday's violets arrived in better shape and cleaned up nicely, and by evening they could not be had at all.

NOTES.

Phipps conservatories in Schenley park, it is said, had the finest display of lilies, hydrangeas and azaleas ever viewed in this city.

F. H. Westhoff, Allison Park, who is a carnation specialist, is grading for some new houses, which he intends to put in roses.

John Jones has won the silk hat as his great masses of Easter lilies were objects of special admiration.

Greens! Greens! Greens!

Boxwood, per case, 50 lbs., \$6.00; 100 lbs., \$11.00  
Leucothoe Sprays, per 100. 50c; per 1000, \$4.00.  
Galax, green and bronze, per 1000. 75c; per case 10.00, \$6.00.  
Wild Smilax, per 50-lb. case, \$5.00; 2 case lots, \$9.00; 4 case lots, \$16.  
Smilax, per dozen strings, \$1.50.  
Fancy Eastern Ferns, per 1000. \$2.00; 5,000 lots, \$8.00.  
Green Sheet Moss, per bundle, \$1.00.  
Sphagnum Moss, per bundle, \$1.00.

William Murphy,

Wholesale Commission Florist.

L. D. Phone 311 Main St., Cincinnati, O.  
M 980.

WHOLESALE PRICE LIST

GALAX, FERNS AND LEUCOTHOE  
Direct from the woods to the dealer.

Galax green and bronze..... Per 1000 \$0.50  
Ferns, dagger and fancy..... 1.00  
Green Leucothoe Sprays, regular lengths..... 2.00  
Green Leucothoe Sprays, 10 to 15-in..... 1.00  
Special prices on lots of 100,000 and up.  
Terms strictly cash, f. o. b. Elk Park, N. C.  
North Carolina Evergreen Co., Banners Elk, N. C.

Perpetuated and Natural Sheet

MOsSES

Southern Wild Smilax:

E. A. BEAVEN, Evergreen, Ala.

The McCallum Co. handled some very fine American Beauty roses of F. R. & P. M. Pierson.  
J. B. Murdoch & Co. handled a fine line of hydrangeas.  
J.



# DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

## Alexander McConnell,

571 Fifth Ave., Windsor Arcade,  
NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.  
Cable address: ALEXCONNELL  
Western Union Code.

### Cleveland, O.

## The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in  
NORTHERN OHIO.

### Dayton, O.

## Matthews,

—FLORIST—

16 W. 3rd Street.

Flowers in any arrangement for all occasions,  
for Dayton and vicinity. Long dis. Phones

### St. Paul, Minn.

## HOLM & OLSON, ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST  
Orders will be well cared for anywhere in  
MINNESOTA AND THE DAKOTAS.

### Los Angeles, Calif.

## J. W. Wolfskill, FLORIST.

Telegraph Orders  
A Specialty. 218 W. 4th St

### St. Paul, Minn.

## L. L. MAY & CO.

Order your flowers for delivery  
in this section from the

Leading Florists of the Northwest

### San Francisco, Calif.

## J. B. BOLAND

Successor to Sievers and Boland  
FLORIST

60 KEARNEY STREET.

### Atlanta, Ga.

## Atlanta Floral Co.

41 Peachtree Street.

### Pittsburg, Pa.

H. L. BLIND & BROS.,

Two Stores: Liberty Av. & 5th St., 5424 Center Av.  
Greenhouses: West View.

### New York.

Established 1874.

## DARDS

N. E. Corner 44th St.  
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

### St. Louis.

WARM WEATHER HARD TO COMBAT.

The week before Easter will be long remembered as the warmest in years, the thermometer ranging over the eighties. Bulbous stock suffered considerably, it being impossible to hold it back. Lilies became soft and it required great care to keep them in any kind of condition. Carnations held a stiff figure, four to six cents being the price. Roses brought from four to 10 cents. Violets, owing to the extreme warm weather, were almost entirely driven out of the market. Sweet peas, however, were in good supply at 35 cents to 75 cents per 100. Lilies brought 15 cents and lily of the valley four cents. There was a good demand for jonquills. Quite a large consignment of southern stock, outdoor grown, was received. Fancy ferns brought 25 cents per 100.

#### NOTES.

Werner Bros. have decided to erect two houses, 32x165 feet, this summer and intend to grow White Killarney, Killarney and Richmond roses. If these gentlemen prove as successful with roses as they have been with their carnations they will be a great help to this market.

C. Young & Sons Co.'s shipping trade on Friday was the largest in years. It looked like old times again to see Mrs. John Young at the store. We are glad to report her health as much improved.

Otto Sander presented Miss Florence Lawrence, the film artist, here for two days, with a handsome bouquet of Easter lilies, which she posed for the Easter picture in Saturday's Times.

J. F. Windt and wife will leave shortly for Europe. They will visit Germany and expect to be gone for four months. The business will be carried on by their son.

The west end florists report big trade with a large increase in the plant business. The sales of lilies and azaleas were very large.

W. J. Pilcher was in with Governor Herrick violets. This variety is said to stand the heat better than the California types.

The Wm. Smith Wholesale Floral Co. disposed of thousands of sweet peas and carnations from Kirkwood growers.

The Riessen Floral Co. disposed of large consignments of double violets and American Beauty roses.

Geo. Angermueller has a heavy supply of stock. Lilies and roses were handled in profusion.

From the outlook the spring glut will be large, owing to the very warm weather.

F. H. Weber had a very large business both in plants and cut flowers.  
W. F.

### Detroit, Mich.

## John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.  
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

### Kansas City, Mo.

Geo. M. Kellogg Flower and Plant Co.,  
906 GRAND AVE.

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

### Terre Haute, Ind.

## John G. Heint & Son,

129 South Seventh St.

Telephone 247.

We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

### Pittsburg, Pa.

## A. W. SMITH CO.

KEENAN BLDG.

Largest Floral Establishment in America  
Established 1874. Incorporated 1909.

### Rochester, N. Y.

## J.B. KELLER SONS,

FLORISTS.

25 Clinton Avenue, N.

Rochester Phone 506. Long Dis. Bell Phone 118

M. A. Bowe

IN HEART OF NEW YORK CITY

Phone 2270 38th St. 1294 Broadway  
Our Motto—THE GOLDEN RULE

### Kansas City, Mo.

## Samuel Murray

..... FLORIST .....

1017 Broadway

Coates House  
Conservatory

Both Phones 2670 Main.

Write, Telephone or Telegraph. All orders given prompt attention.

### Louisville, Ky.

Established 1880.

## M. D. REIMERS

'Successor to Chas' W. Reimers.

.....329 Fourth Avenue



## DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place,  
L. D. Phone 558 Lake View.  
Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Chicago.

HAUSWIRTH FLORIST

Auditorium Annex.

Mail, Telegraph or Telephone Orders Filled  
Promptly in Best Style.

Cincinnati, O.

JULIUS BAER,

138-140 E. Fourth St.  
Long Distance Phone.

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838— CANAL ST.

Savannah, Ga.

JOHN WOLF,

Wholesale and Retail  
FLORIST.

Kalamazoo and  
Battle Creek, Mich.

H. A. FISHER CO.

Wholesale and Retail Florists.

We Handle Everything in Season.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper  
care of your orders in Wisconsin.

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled  
promptly with the choicest stock.

Washington,

D. C.

14th and H Streets.

*Blackstone*  
Baltimore, Md.

Also

1601 Eutaw Place,

Baltimore, Md.

Rochester, N. Y.

Never before in this city have the florists transacted such an amount of business as they have this Easter season. All the different establishments were filled up with the very best material in first-class condition and, as far as we can find out, by Sunday morning there was very little surplus stock on hand. Prices on all material were moderate.

J. B. Keller's Sons handle a white flowering broom that lends itself splendidly for basket decoration. The slender, whip-like branches, covered with pure white blossoms, are very pleasing and they attract popular attention. Michael Keller says that large plants grown to standards sell well as individual plants. This broom is sold by the Dutch growers as *Cytisus praecox albus*, but we suspect it is a form of the Spanish broom (*Cytisus albus*). Florists who have not handled this plant certainly ought to get it next fall. The new dwarf rambler rose, Mrs. H. Cutbush, has been grown quite extensively by this firm, and it has proved a popular favorite. It could hardly fail to be so, as the rosy pink flower clusters are remarkably pleasing. This firm has made a new departure in handling large rhododendrons, having bought, last fall, a consignment of plants of *R. fastuosum flore plena* about four feet in diameter, and the large bushes, covered with purplish lavender blossoms, looked splendid. Of course some of these are rented out at good prices, and others are sold to rich people at prices commensurate with fair profit. Michael Keller says they are well satisfied with the results, and he remarked today that this was one of the most strenuous Easter seasons he ever put in.

JOHN DUNBAR.

Steamship Sailings.

FROM NEW YORK EXCEPT AS NOTED.

April 5.

New Amsterdam, Holl.-Amer., 10 a. m., Hoboken Pier.

Batavia, Ham.-Amer., 11 a. m., Hoboken Pier.

April 6.

Campania, Cunard, 9 a. m., Piers 54 &amp; 56, North River.

Germania, Fabre, 1 p. m., Amity Dock.

FROM BALTIMORE, Koeln, N. Ger. Lloyd, 2 p. m. Pier 9, Locust Pt.

FROM ST. JOHN, Sardinian, Allan.

April 7.

La Lorraine, French, 10 a. m., Pier 42, North River.

FROM BOSTON, Ionian, Allan, 6 a. m.

April 8.

FROM ST. JOHN, N. B., Empress of Britain.

April 9.

Caledonia, Anchor, 9 a. m., Pier 64, North River.

Adriatic, American, 10 a. m., Piers 60 &amp; 61, North River.

Finland, Red Star, 11 a. m., Pier 59, North River.

Graf Waldersee, Ham.-Amer., 9 a. m., Hoboken Pier.

Prinzess Irene, N. Ger. Lloyd, 11 a. m., Hoboken Pier.

FROM PHILADELPHIA, Haverford, American, 10 a. m., Pier 54.

FROM ST. JOHN, Corsican, Allan.

Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave  
Greenhouses: Short Hills, N. J.

Deliveries in

NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

New York.

MYER, FLORIST,

609-611 Madison Ave.

Phone 5297 Plaza.

Indianapolis, Ind.

Bertermann Bros. Co.

FLORISTS

.....241 Massachusetts Ave.

Omaha, Neb.

Hess &amp; Swoboda

FLORISTS.

1415 Farnum St.

TELEPHONES  
1501 and 1583

Denver, Colo.

The Park  
...Floral Co.

J. A. VALENTINE, President.



WASHINGTON

D. C.

Gude's

Washington, D. C.

Geo. C. Shaffer,

::: FLORIST :::

Phone 2416 Main

14th &amp; Eye Sts., N. W.

Write, Telegraph or Telephone.

The Florists' Market Place,  
Our Ready Reference Ad. Dept



## DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

## GREAT BRITAIN

## WILLS &amp; SEGAR,

Royal Exotic Nursery,

Onslow Crescent. S. Kensington, London

## FLORISTS TO HIS MAJESTY THE KING.

We shall be pleased to carry out commissions from our American confreres to deliver CUT FLOWERS, FLORAL BASKETS, DESIGNS, etc., to any part of Great Britain.

Cablegrams—"FLOSCULO, LONDON."

Kansas City, Mo.

WILLIAM L. ROCK,  
Flower Co.,

Will carefully execute orders for Kansas City and any town in

Missouri, Kansas or Oklahoma.

Mention the American Florist when writing

St. Louis, Mo.,

Write, Wire or Phone Your Orders to

## YOUNGS

1406 Olive Street,

Regular discount allowed on all orders, either Plants or Cut Flowers.

Phones Bell, Main 2306, Kinloch, Central 4981

Mention the American Florist when writing

New York.

Established 1849

## David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway

Telephones:  
1552-1553 Columbus.

Choice Cut Flowers

Lansing, Mich.

## Gurdon B. Smith

Covers all Points in Michigan. Best of Shipping Facilities in all Directions. Always has the best of Everything.

Seattle,  
Wash.

L. W. McCOY

Buffalo, N. Y.

*Palmer's* Flowers  
of Quality  
W. J. Palmer & Son.  
304 Main St.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

## DANIELS &amp; FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

Toronto, Can.

Canada's best known and most reliable florist

Only  
the  
Best  
Dunlop's

96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Colorado Springs, Colo.

## FRANK F. CRUMP,

Wholesale and Retail Florist.

MICHIGAN.

Orders will be carefully  
cared for by

## HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Anderson, S. C.

## THE ANDERSON FLORAL CO.

533 MARSHALL AVE.

San Francisco Women to Raise Flowers.

San Francisco, March 23.—Orchids at \$1.50 each and roses at from \$2 to \$5 a dozen in a land of sunshine, where they can be grown at small expense the year round, have aroused the ire of the women of the "Four Hundred," and today they announced that they are going into the business of raising these flowers and putting them on the market at a reasonable price.

Seventy prominent women, headed by Mrs. California Newton and Mrs. William C. Ralston, and representing the California club and the Outdoor Art league have signed the articles of incorporation of the California Ladies Plant and Flower Co., capital stock, \$100,000. Mrs. Ralston said: "Orchids cost \$1.50 apiece. Just think of that in California! The Pearl of the Garden and our beautiful La France roses, do you ever see them now? No, they are not in the market. And the Rainbow rose or the Bennett? They are not being produced. But we will soon have the fine old varieties again."—New York Journal.

New York.

*A. J. Bunyard*  
FLORAL CO.

We Guarantee Satisfaction

413 Madison Ave. cor. 48th St.



Albany, N. Y.

## EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on Telegraphic Order.

11 NORTH PEARL STREET.

Boston, Mass.

Send flower orders for delivery in

Boston and all  
New England Points

To THOS. F. GALVIN, Inc.,  
124 TRIMONT ST.

THE J. M. GASSER COMPANY,

## CLEVELAND, O.

We Cover All Points in Ohio.

Louisville, Ky.

## JACOB SCHULZ,

550 So. Fourth Avenue.

GEO. A. HEINL, Leading Florist,  
TOLEDO, OHIO.

All Orders Promptly Executed.



## The Seed Trade.

### American Seed Trade Association.

J. C. Robinson, Waterloo, Neb., Pres.; M. H. Duryea, New York, First Vice-Pres.; F. W. Bolgiano, Washington, D.C., Second Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.; Leonard H. Vaughan, Chicago, Asst. Sec'y. Twenty-eighth annual convention, at Atlantic City, N. J. June 21, 1910.

THE unseasonable hot weather is almost sure to shorten the seed selling season disastrously.

THE question of fighting the recent ruling by the postmaster general regarding disuse of opaque seed packets is in abeyance.

CALIFORNIA seed growers were favored with nice rains all last week in the Santa Clara and San Juan districts, and the crops there are looking fine.

SAN JOSE, CALIF.—A flying tournament will be held here May 14-15, a good chance for local seedsmen to fly high. Eastern members of the trade should arrange their inspection visit accordingly.

CHICAGO.—Contract prices on the board of trade March 30 for grass seed were noted as follows: Timothy, \$4.60 nominal. White clover, from 20 cents to 25 cents.—Visitor: C. P. Guelph, of Jerome B. Rice Seed Co., Cambridge, N. Y.

HOBOKEN, N. J.—Henry Nungesser & Co. have been incorporated to deal in seeds, grain, etc., with a capital of \$50,000. The incorporators are: Henry Nungesser, New York; Geo. S. Mittendorf, New York, and Wm. A. Proescholdt, South Orange, N. J.

NEW YORK.—Henry Nungesser sailed for Europe, March 22. As a voyager on the Atlantic highway, Mr. Nungesser holds the record among seedsmen, having made over 50 trips, but that is his only dissipation.—Chas. McTaggart, who recently opened a seed store at 123 Warren street, is doing a good business and has already been compelled to take more space.

THE present high prices of soya beans, according to Vice-Consul A. A. Williamson, of Dalny, are probably due to the system of buying for future delivery from the Chinese farmer and the Chinese dealers in the interior, supplemented by the consequent failure of several important Chinese firms and the necessity for filling contracts at any price by the big exporting houses.

## Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,  
Growers for the Wholesale  
Trade Only.

**SAN JOSE, CALIF.**

### Canadian Seed Imports.

As Canada imported garden, field, and other seeds and bulbous roots valued at \$2,083,619 in the last fiscal year, Consul Frank Deedmeyer, of Charlottetown, has prepared some data in regard to this trade: The import of these articles has grown rapidly in the last 10 years, being in 1909 four times larger than in 1900. As shown by statistics, the United States furnishes practically all of the seeds and roots received by Canada from abroad. The market for these American products is capable of enlargement. Farming is undergoing a change in the maritime provinces and in lower Canada. The cereals for export are now grown in the west. In the east agriculture is becoming more diversified. The farmers aim at a variety of crops, raised from selected seeds. Cities are growing and market gardening is becoming more profitable every year.

As a means to extend the sale of seeds and roots in Canada it is suggested that American exporters exhibit the seeds and developed fruits at the agricultural fairs, held every fall in all sections of the dominion. These fairs, or exhibitions as they are more generally called, are held for counties and for provinces, and are much encouraged by the local governments and well attended. The dates when these exhibitions are held and at what points can be learned by American exporters on application to the American consuls in Canada.

The following statistics show the value of some varieties imported in the last fiscal year and the rates of duty on same: Free list: Annatto, \$223; beans, \$879; beets and mangolds, \$44,241; carrots, \$9,421; mustard, \$3,056; peas \$9,407; rape seed, \$10,867; turnip seed, \$30,335; mushroom spawn, \$2,101; and anise, anise-star, caraway, coriander, cardamon, cummin, fenugreek, and fennel, \$11,669. Dutiable: Clover and grass, \$855,440; garden, field, and other seeds for agricultural or other purposes, sunflower, canary, hemp, and millet seed, \$278,864; garden and field seeds, not specified as free, valued at not less than \$5 per pound, in packages of not less than one ounce each, \$21,761, all for 10 per cent ad valorem; and flax seed, \$1,326, duty 10 cents per bushel.

The importations from the United States were valued at \$1,932,047; from Great Britain, \$73,016; France, \$36,353; Germany, \$23,206; and from all other countries, \$18,997. The province of Prince Edward Island, known as

the Garden of the Gulf, has about 1,000,000 acres under cultivation. Intensive and diversified agriculture is carried on here by some 14,000 intelligent farmers, most of whom own the lands they till. They send their products to Quebec, the other maritime provinces, and to New England. Great attention is paid to variety of products and proper selection of seeds. American exporters of seeds and bulbous roots will find here a growing market.

### Those Lovely Seeds.

#### IN THE HOUSE:

Mr. Moss (Ind.)—We have in this item a large appropriation of the people's money voted away by congress, with the express stipulation that five-sixths of it shall be turned over to the members who authorize this expenditure to be sent out on their personal demand and without any accounting or report to any public authority. In the whole disbursement of this fund all the report that is required to be made by any authority is that the secretary of agriculture shall report the time, the place, the quantity, and the price of the seed purchased. Not even the varieties are demanded. And under this general provision I find that we are purchasing and distributing mustard seed.

What a benefit it must be in these days of high-priced food products, when American working men for the first time in the history of our republic are forming clubs and refusing to purchase plain articles of food on account of the exorbitant prices! What a favor, I repeat, it is that their representative in congress can send some of them mustard seed without cost to anybody except the tax payer! And while the clerks in the bureau of plant industry are busy making up packages of mustard seed the clerks in the division of publications are sending out circulars giving the latest scientific methods of eradicating mustard plants in grain fields. Bulletin No. 41 of the Department of Agriculture says that mustard is a well-known and very widely distributed weed pest and one which is very difficult to eradicate when once introduced, but that it can be destroyed by spraying with a solution of iron sulphate.—New York Sun, February 8.

### Imports.

During the week ending March 26, imports were received at New York as follows:

Wadley & Smythe, 179 cases trees and shrubs.

McHutchison & Co., 124 cases trees and shrubs, 18 cases plants.

P. Ouwerkerk, 122 cases trees.

Vaughan's Seed Store, 70 cases trees and shrubs, nine cases plants, one case seed.

Wm. Elliott & Son, 32 cases plants.

H. F. Darrow, 32 cases trees and shrubs.

C. C. Abel & Co., 12 cases trees, 22 cases bulbs.

Elizabeth Nursery Co., two cases plants.

Hussa & Co., one case plants.

C. F. Meyer, one case plants.

Morris & Wellington, one case trees.

Elm City Nursery, one case trees.

H. Nungesser & Co., seven cases clover seed.

J. M. Thorburn & Co., four bags seed. Wakem & McLaughlin, one case bulbs.

To others, 681 cases trees and shrubs, 559 pkgs. trees and shrubs, 417 cases plants, 12 pkgs. plants, one case rose trees, 346 cases lily buds, three pkgs, one case bulbs, 350 bags sunflower seed, 90 pkgs., 13 bags seed.

## Peas AND Beans

**Alfred J. Brown Seed Co.,**

Growers for the Wholesale Trade.

**GRAND RAPIDS, MICH.**





**VAN ZANTEN BROTHERS**

Royal Netherland Bulb Nurseries  
and Export Trade.

**HILLEGOM, HOLLAND,**

Wholesale growers of the leading sort of  
Hyacinths, Tulips, Narcissus, Crocus,  
Spireas, Gladiolus, Peonies, etc., etc.

Write our traveler, **MR. G. HYLREMA**, care of  
Messrs. Maltus & Ware, 14 Stone St., New York  
for Catalogue and Special prices of all

**HOLLAND BULBS AND PLANTS****STOCK SEED**

Fisk's Branching in all  
colors. Trade packet.  
40c. oz. \$4.00.  
Pure White, tr. packet.  
50c. oz. \$5.00.  
Also Beauty of Nice  
strains.  
**H. E. FISKE SEED CO.,**  
Boston, Mass.

**Pape & Bergmann,**

Quedlinburg, Germany.

Elite Seeds of Flowers and Vegetables.

Specialties: Stock, Pansies, Cyclamen, etc.,  
Cactus Dahlias, Bulbs. General Catalogue Free

**BURPEE'S  
SEEDS  
PHILADELPHIA**

Wholesale Price List for Florists  
and Market Gardeners.

**JOHN BODGER & SONS CO.  
Gardena, Calif.**

Wholesale Growers of Sweet Peas,  
Tomatoes, Lima Beans, Lettuce, Asters,  
Cosmos and other Flower Seeds.

**Waldo Rohnert  
GILROY, CAL.**
**Wholesale Seed Grower**

Specialties: Lettuce, Onion, Sweet Peas, Aster,  
Cosmos, Mignonette, Verbena, in variety.  
Correspondence solicited.

GET QUOTATIONS FROM

**LANDRETH  
SEEDS which SUCCEED**

Bloomdale Farm. **Bristol, Pa.**

**MANN'S****Lily of the Valley**

are the finest in existence and their flowers  
bring the best prices on the London market  
For quotation please apply to

**OTTO MANN, Leipzig, Saxony, Germany**

MINNEAPOLIS, MINN.—A meeting of  
the creditors of James Souden, who  
was adjudged bankrupt March 8, will  
be held in this city April 4.

**WILDPRET BROTHERS**

**Largest Growers and Exporters of**

Genuine  
**BERMUDA ONION SEEDS**

**HIGHEST  
GERMINATION**

**White and Red  
Bermuda.**

**EARLY  
DELIVERY**

**Crystal Wax and  
Golden Onion.**



Let Us Book Your Order At Once  
So As To Obtain Full Delivery.

**Prices on Application.**

**We Supply Seedsmen Only.**

**Port Orotava, Teneriffe, Canary Islands.**

**Fine Aster Seed**

Catalogue Now Ready.

**VICK & HILL CO.,**

Box 613, Rochester, N. Y.

ESTABLISHED IN 1824.

**Bridgeman's Seed Warehouse**

RICKARDS BROS., Props.,  
37 East 19th St., New York  
bet Broadway and 4th Ave.,

Telephone 4235 Gramercy.

—FOR—  
**SEEDS**

OF ALL KINDS APPLY TO  
**W. W. JOHNSON & SON, Limited,**  
Boston, England.

**Pieters-Wheeler Seed Company**

HOLLISTER, CAL.

**Growers of High Grade Seeds**

Onion, Lettuce, Radish, Sweet Peas, Etc.

CORRESPONDENCE SOLICITED.

**Spring Bulbs**

Guaranteed Sound.

**Tuberose**

Per 100  
Dwarf Pearl, 1st size.....\$7.50  
" " medium size ..... 4.00

**Caladiums**

(Elephant's Ear)

Sound bulbs with live center shoot.

|                    |         |         |
|--------------------|---------|---------|
|                    | 100     | 1000    |
| Size 5-7-in.....   | \$ 2 00 | \$15 00 |
| Size 7-9-in.....   | 3 50    | 30 00   |
| Size 9-11-in.....  | 6 00    | 55 00   |
| Size 12-in up..... | 14 00   |         |

**Winterson's Seed Store,**

45-47-49 Wabash Ave.,

**CHICAGO.**

**For RELIABLE STOCK From RELIABLE DEALERS**

**Keep Tab on Advts. in THE FLORIST**



## Market Gardeners

### Greenhouse Vegetable Growers and Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President;  
Franklin DeKleine, Grand Rapids, Mich.,  
Vice-President; S. W. Severance, 508 Illi-  
nois Life Building, Louisville, Ky., Secre-  
tary; M. L. Ruetenik, Cleveland, O., Treas.

GUELPH, ONT.—A. McMeans, head gardener at the Agricultural College experiment station vegetable department, has left to take up a similar position at Agricultural College, North Dakota.

### Seed Sowing.

Among the different gardening operations there is none more difficult than seed sowing. To get a man who can properly sow, both broadcast and with hand drill, all the various seeds is almost a hopeless task. The subject needs close study to avoid heavy losses, which may come either way by over or underseeding or by entire failure. Some operators would make us believe that the time for broadcast sowing is past absolutely. Such is not the case. There are times and subjects when broadcast seeding is very successful. The reason for this is very plain upon investigation. Broadcast seed is covered at varying depths, so that under almost all conditions a stand is obtained. If the weather turns wet after seeding, those seeds nearest the surface will sprout; if dry, the deeply buried ones will have their chance; while by the drill method, they are all uniformly covered, hence if the weather turns unfavorable for the depth at which they were sown the whole lot may be a failure. Old market gardeners know from experience that it is easier to get a stand of lettuce, spinach, radish or turnip by broadcasting than by drilling, hence the method is still in use. We do not like broadcasting, but admit its uses.

To operate seed drills successfully requires close attention. Where a very thin stand is desired, and a drill set very close, it will be found that after some time the machine has actually sifted the seeds by allowing the small ones to pass and rejecting the large ones and thereby reducing the stand for the last one-half. Some machines will not stand close regulation at all, as they choke up unless the flow is liberal. When this is the case, the only way out is to proceed rapidly, thereby reducing the time for the seed to roll out. Where land is too rough for nice work, such machines as have a two-piece coverer can often be made to work by removing one side of the covering device, thus allowing clods to pass. Another way to handle rough land is to precede the drill with a single wheel hoe, using one slim cultivator tooth to open a mark and roll the clods aside. This can be made to work where nothing else will. Soils that bake readily can be handled similarly by opening a slight furrow, removing the covering device entirely, and depending upon the roller to firm the seed without covering. This permits the weak seedlings to come up through the crevices. There can be no greater

# Not How Cheap But How Good

**Seedsman:** Do not be misled by cheap offers.  
Always buy the Best

## "Bermuda Onion Seeds"

You can obtain the "Improved Stock" from the grower,

**FEDERICO C. VARELA,**  
Teneriffe, Canary Islands.

P. S.—Please mail me your Contract Order at once.

## DITTLEV ELTZHOLTZ & CO.

Ringe, Denmark

Offer for delivery this autumn, 1910:

**CAULIFLOWER**, Danish Snowball, at.....\$6.50 per lb.  
**CABBAGE**, Danish Ballhead (Amager), at..... 0.50 per lb.

## CAULIFLOWER SEED CABBAGE SEED

LILY OF THE VALLEY PIPS

**HJALMAR HARTMANN & CO.**  
Logangstraede 20, COPENHAGEN, DENMARK

**S. D. WOODRUFF & SONS,**  
SEED GROWERS

Dealers in Garden, Field and Flower Seeds.

Specialties: Beet, Carrot, Corn, Peas,  
Beans, Onion Sets and Seed Potatoes.  
Catalogue free. Contracts taken.

Orange, Conn.

82-84 Dey Street,  
NEW YORK.

**The Everett B. Clark Seed Co.**

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip,  
Radish, Beet, Etc.

Branches: Michigan  
and Wisconsin. **MILFORD, CONN.**

mistake made than preparing land too fine, if it is liable to puddle and bake. A certain amount of roughness is absolutely necessary to keep such soils open.

MARKETMAN.

The Boston Market Gardeners' Ass'n.

The Boston Market Gardeners' Association held its annual field meeting in Watertown, Mass., March 19. The party, which numbered about 150, inspected the greenhouses of J. W. Stone, A. M. Davenport and F. E. Coolidge. After luncheon with Mr. Coolidge the party came to Boston in electric cars and held a business meeting in Horticultural Hall.

Following the meeting the association listened to an address on "Market Gardening," illustrated with ster-

## VEGETABLE PLANTS

|                                      | Per 100 | 1000   |
|--------------------------------------|---------|--------|
| Beet Plants .....                    | \$0 20  | \$1 25 |
| Egg Plants .....                     | 40      | 2 00   |
| Pepper Plants, Bull Nose, Sweet      |         |        |
| Mountain and Ruby King.....          | 40      | 2 00   |
| Tomatoes, small plants, Earliana.    |         |        |
| Early Jewel Dwarf Stone and Cham-    |         |        |
| pion, Ponderosa and Matchless.....   | 30      | 2 00   |
| Tomatoes, small plants Stone Pa-     |         |        |
| ragon and Favorite and Success ..... | 20      | 1 00   |

— Cash with order.

**R. VINCENT, Jr. & SONS CO.,** White Marsh, Md.

**S. M. Isbell & Co.,**

Jackson, Mich.

**CONTRACT SEED GROWERS,**  
Bean, Cucumber, Tomato, Pea, Muskmelon,  
Squash, Watermelon, Radish, Sweet Corn.  
Correspondence solicited.

## Wanted

Contracts to grow all kinds of Vegetable Plants, transplanted or not. Also Geraniums, Coleus, Cannas, Salvia, Verbenas, Fancies, etc., for spring delivery. All stock only. Correspondence solicited.

**Alonzo J. Bryan,** Wholesale Florist,  
Washington, New Jersey.



Watch for our Trade Mark stamped on every brick of Lambert's

**Pure Culture Mushroom Spawn**

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

**Trade Mark. American Spawn Co., St. Paul, Minn.**

opticon views of the industry in various parts of the country, by L. G. Corbett of the Department of Agriculture. Mr. Corbett urged the value of co-operation, as did W. H. Bowker, a trustee of the Horticultural Society. Prof.





NORA UNWIN SWEET PEA.

|                                                                                                             |         |        |
|-------------------------------------------------------------------------------------------------------------|---------|--------|
| Flora Norton. A very bright blue quite different from other blues, being a brighter blue and clearer color. | 1/4 lb. | lb.    |
| Flora Frazer. An improved Blanche Ferry, with longer stems, true to type.                                   | \$0.10  | \$0.30 |
| Frank Dolby. Largest and best pale lavender.                                                                | .15     | .40    |
| King Edward VII. The best of the dark red.                                                                  | .25     | .80    |
| Lady Griseld Hamilton. The best of all lavender sorts.                                                      | .10     | .30    |
| Lord Nelson. Improvement on navy blue color, rich navy blue.                                                | .10     | .40    |
| Lovely. Shell pink, extra fine.                                                                             | .10     | .30    |
| Mont Blanc. An early-flowering white, for forcing.                                                          | .10     | .35    |
| Mrs. George Higginson, Jr. Clear azure blue.                                                                | .10     | .25    |

## Vaughan's Sweet Peas

### SPENCER AND UNWIN TYPES.

|                                                                 | 1/2 oz. | 1 oz.  | 1/4 lb | lb     |
|-----------------------------------------------------------------|---------|--------|--------|--------|
| Apple Blossom (Spencer). Primrose, with rose standard           |         | \$0.25 | \$0.80 | \$3.00 |
| Asta Ohn (Spencer). The best lavender in the Spencer selections | \$0.40  | .75    |        |        |
| Blanche Ferry (Spencer). Pink and white Spencer type            | .25     | .50    |        |        |
| Countess Spencer (Variety). Bright clear pink                   |         | .10    | .35    | 1.25   |
| Dainty (Spencer). White with very light pink edge               |         | .23    | .85    | 3.20   |
| Florence Morse (Spencer). Delicate blush with pink margin       |         | .15    | .40    | 1.60   |
| George Herbert (Spencer). Bright rose carmine                   |         | .15    | .40    | 1.60   |
| Gladys Unwin. One of the finest pinks in existence              |         | .10    | .20    | .50    |
| King Edward VII (Spencer). Deep rich carmine scarlet            | .30     | .50    | 1.60   |        |
| Mrs. Alfred Watkins. Superb pale pink.                          |         | .10    | .20    | .60    |
| Mrs. Sankey (Spencer). A black seeded pure white.               |         | .50    |        |        |
| Mrs. Walter Wright (Spencer). Rose purple                       |         | .40    |        |        |
| Nora Unwin. The best white.                                     |         | .10    | .20    | .60    |
| Paradise. A dark shade of pink.                                 |         | .10    |        | .80    |
| Primrose (Spencer).                                             |         | .10    | .20    | .60    |
| Princess Alice (Spencer). Light rosy mauve                      |         | .15    | .40    | 1.40   |
| Princess Victoria. White blush and pink edged Spencer           |         | .15    | .50    | 1.80   |
| Ruby (Spencer). Scarlet Spencer.                                |         | .40    | 1.50   |        |
| Sutton's Queen. Primrose edged in margin with buff              |         | .15    | .45    | 1.60   |
| White (Spencer). Flowers absolutely pure white.                 |         | .10    | .20    | .60    |

### STANDARD VARIETIES.

|                                                                                                                                                                                                                  | 1/4 lb.                                 | lb.    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|--------|
| Blanche Ferry. Pink and white.                                                                                                                                                                                   | \$0.10                                  | \$0.20 |
| Bullion's Pink. Pink shaded rose, of immense size.                                                                                                                                                               | .15                                     | .50    |
| Bridesmaid. This is a deep bright pink                                                                                                                                                                           | .15                                     | .40    |
| Dainty. Large pure white tinted with pink                                                                                                                                                                        | .15                                     | .35    |
| Dorothy Eckford. One of the best of all the white.                                                                                                                                                               | .10                                     | .30    |
| Emily Henderson. White, early and free.                                                                                                                                                                          | .10                                     | .25    |
| Evelyn Byatt. Rich fiery orange; very striking and unique.                                                                                                                                                       | .15                                     | .40    |
| Prince of Wales. Deep rose                                                                                                                                                                                       | .10                                     | .25    |
| Salopian. Rich deep scarlet                                                                                                                                                                                      | .10                                     | .25    |
| Queen Alexandra. Giant size; best scarlet.                                                                                                                                                                       | oz., 10c                                | .15    |
| Shasta. Giant flowered white                                                                                                                                                                                     | .15                                     | .40    |
| White Wonder. Pure white, of the largest size                                                                                                                                                                    | .15                                     | .40    |
| Vaughan's Florist Mixture. This mixture is made up by ourselves from separate colors, carefully proportioned of the best cut flower sorts and colors, and includes this year some of the best Spencer varieties. | 4 lb., 20c; 1 lb., 80c; 5 lbs., \$3.50. |        |
| Eckford Mixture. This mixture contains over thirty varieties, including novelties of 1909. Per 1/4 lb., 10c; 1 lb., 25c; 10 lbs., \$2.00.                                                                        |                                         |        |

## VAUGHAN'S SEED STORE,

25 Barclay St., NEW YORK.

84-86 Randolph St. and 202 W. Randolph St., CHICAGO.

"Spring Book for Florists." Ask for it.

William R. Lazenby of Columbus, O., delivered an address on "National Co-operation."

### Prices of Indoor Fruits and Vegetables.

New York, March 26.—Mushrooms, 35 cents to 50 cents per pound; cucumbers, \$1.25 to \$1.60 per dozen; lettuce, 90 cents to \$1.12 per dozen heads; tomatoes, 25 cents per pound; radishes, 3 cents per bunch; asparagus, white, \$5 per dozen bunches, green, \$4.50 to \$9 per dozen bunches; rhubarb, 6 1/2 cents per bunch; mint, \$1 per dozen bunches; grapes, Gros Colman, 85 cents per pound; peaches, \$2 per dozen. Beet tops, \$1 per bushel.

Chicago, March 30.—Mushrooms, 25 cents to 60 cents per pound; cucumbers, \$1.25 to \$1.50 per dozen; leaf lettuce, 40 cents per box; head lettuce, Florida, \$3.50 per hamper, Louisiana, \$5 and \$7 per barrel; tomatoes, 20 cents per pound; radishes, 50 cents per dozen; grapes, Gros Colman, 75 cents per pound; rhubarb, 60 cents.

POUGHKEEPSIE, N. Y.—Help has been very scarce with the violet growers during the Easter rush.

### The Versatile Woodbine.

Climbing plants may be placed in four general groups as regards the means for getting up in the world. Least specialized are the scramblers, such as the bed straw (galium) and certain climbing roses and brambles. These depend upon their recurved prickles to catch upon other plants and hold them in place, says the American Botanist. More successful are the twiners like the bean and hop that simply wind their stems about other vegetation. The rootclimbers are more common in the tropics than in our own region but they are not without representatives here in such forms as the poison ivy and the English ivy. The most highly specialized group comprise the tendril climbers. The tendrils may be modified stems as in the grape, petioles as in the garden nasturtium, stipules as in the species of smilax, veins of the leaf as in the pea, or even in the tips of the leaves themselves as in various tropical plants. As to methods of attachment, two forms are noticeable, one in which the tendrils wrap around the object, the other in which the tips spread out in sucker-like discs. This

### ONE-HALF CAR OF

## Calla Bulbs

Ready end of July.

Write for prices,

Berrydale Experiment Gardens, Holland, Mich.

latter form is usually developed when the plants climb upon rocks or the trunks of trees. Very few plants possess more than one of these methods of climbing but the common woodbine (Ampelopsis quinquefolia) is more fortunate. Normally it is a tendril climber, like the grape to which it is near allied, but on occasion it may develop adhesive discs and it frequently puts out roots like the poison ivy. Nobody seems to have investigated the subject to see if the three methods of climbing indicate three forms of the plant.

MANSFIELD, O.—The Berno Floral Co has been getting "in bad" with some of its neighbors on account of the smoke stack emitting too much smoke and soot.



## The Nursery Trade

### American Association of Nurserymen.

F. H. Stannard, Ottawa, Kans., President;  
W. P. Stark, Louisiana, Mo., Vice-President;  
John Hall, Rochester, N. Y., Sec'y.  
Thirty-fifth annual convention to be held  
at Denver, Colo., June 8-10, 1910.

A CITY NURSERY is under consideration at Seattle, Wash.

WE are indebted to Park Commissioner Philip C. Scanlan for a copy of the annual report of the St. Louis park department.

THE total exports of fruits and nuts from the United States in the last calendar year amounted in value to \$1,916,065; the imports, to \$34,604,000.

THIS looks just like a good imitation of no season at all in the nursery trade. Many kinds of shrubs and trees will be in full bud almost before they can be dug. A season apparently about 10 days or two weeks long. Many fruit and flower buds are coming out probably to meet a killing frost.

### Among the Newer Deutzias.

By crossing *D. scabra* with *D. discolor grandiflora* some fine novelties have been obtained. *D. discolor densiflora* is an erect-growing variety, with a floriferous character. The blossoms are white, suffused with rose, and, with the sulphur-colored anthers, create quite a pretty effect. Another fine variety is *D. carnea*, a delightful flesh-colored form, with rosy-pink reverse to the blossoms, which are of medium carmine bud coloring is very pleasing. *D. lactea*, a dwarf bushy hybrid, with grand panicles of blossom, and a clear milk-white coloring, is deserving of notice, while the dainty *D. stellata* is an exceedingly pretty hybrid, the flowers exhibiting a delightful blend of coloring, shading from palest pink to rosy-carmine.

Some exquisite beauties are now grouped in the *D. gracilis* section. There is the snow-white *D. erecta*, a hybrid between *D. gracilis* and *D. Sieboldi*, with dark green leafage, and pyramidal spikes of blossom. *D. campanulata* is a grand milk-white form, wonderfully free and effective in blossom. *D. candelabrum*, another *D. gracilis* x *D. Sieboldi* hybrid, is a delightful subject. The arching branches, clouded with innumerable clusters of creamy blossoms, makes an undeniably charming picture, and is well worth securing. In *D. carminea* we have another pleasing deutzia, with an arching habit, the branches being weighed down with the burden of rosy-hued blossoms. *D. eximea* and *D. rosea* furnish two more pink varieties to the *gracilis* group, while the large-flowered *D. venusta* with snowy blossoms like a miniature azalea, concludes a group of sterling forms of this favorite section.

Further, there is the Lemoinei group, of which the forerunner was the handsome white-flowered *D. Lemoinei*, a hybrid between *D. gracilis* and *D. parviflora*. The best of the section are *D. Avalanche*, a handsome snow-white hybrid with the close panicles of blossom crowding closely for the full length of the stems; *D. Boule de Neige*, a large-flowered showy white of great merit; *D. Boule Rose*, with pale rose blossoms, produced in large close clusters; and *D. Fleur de Pommer*, a notable pale pink form, clad

# Bobbink & Atkins

RUTHERFORD, N. J.

**World's Choicest Nursery Stock** Such as Evergreens, Shade and Ornamental Trees, Shrubs Vines, Trained, Dwarf and Standard Fruit Trees, Grape Vines, and other Small Fruits, Herbaceous Plants and a general variety of Spring Bulbs.

**Boxwood--Bay Trees** and all other decorative plants, such as *Dracenas*, *Aucubas*, *Palms*, etc.

Inspection of our Nursery invited, and convince yourself that we have the Stock. Only 9 miles from New York City.

## A GOOD INVESTMENT

Evansville, Ind., Feb. 18, 1910.  
AMERICAN FLORIST Co.  
Chicago.

DEAR SIR:—I am using your Trade Directory and out of 4000 nurserymen we circularized only two circulars came back. I am enclosing these names as you may want to make the changes.

A. J. LOCKYEAR.  
New Edition Now Ready—Price \$3.00.

from base to summit with axillary corymbs of blossom. Both in bud and blossom it is delightful.

That other good work in connection with the deutzias is in progress is apparent in *D. kalmiaeflora*, a fine hybrid, with *kalmia*-like blossoms of a pale pink color; and in the fine *D. crenata magnifica*, a hybrid between *D. Vilmorinae* and *D. crenata candidissima plena*, which has been raised in Messrs. Lemoine's establishment at Nancy. *D. crenata magnifica* should prove to be one of the most popular flowering shrubs of the future. The pleasing habit, the wealth of double snow-white blossoms, and its delightful appearance, are certainly greatly in its favor. With such a pleasing novelty before us, we may rest assured that there are good things yet to come from the deutzias, and this knowledge should give a fillip to this most deserving race of flowering shrubs.—Gardener's Magazine.

### Semi-Double Peonies.

If the herbaceous peonies do not obtain so much attention in this country as in the United States, they enjoy a high degree of popularity, and are being grown in English gardens in largely increased numbers. That they are popular with lovers of hardy plants is not surprising, for they are varied in form and color, free in flowering, and highly effective when grown under the conditions favorable to their full development. There are the double varieties which bear flowers that at once appeal to the florist who regards plenitude of petals and a regularity of outline of primary importance, and there are the semi-double and single varieties which are much appreciated by those who prefer lightness and care but little for the "properties" of the florist. Each section contains

## Jacs Smits & Co., NAARDEN, (Holland)

Azaleas, (hardy). Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spiraeas, Valleys.

Price List Free on Demand.

## JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture

## Phoenix Nursery Company

Nurserymen and Florists  
BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for spring issued Feb. 1st

large numbers of varieties possessing much beauty, and those who grow peonies will act wisely in planting varieties for which they have a decided preference. If they do this they will derive more pleasure from their peony beds and borders than will be the case if they plant most largely those sections for which they care but little, because of their having allowed themselves to be persuaded against their will by some friend who holds very decided opinions. The varieties selected should, of course, be in all cases the best in the section, or rather the best that can be purchased at a certain price.

Attention has been directed to the desirability of cultivators planting the most freely varieties belonging to sections that give them the most pleasure, because in briefly alluding to the section bearing flowers with large clusters of petaloids in the center, it should not be thought they are recommended as superior to the other groups. It would not be difficult to write eulogistically of their varied charms; but this note is essentially of a practical character. Therefore, it will only be said that the clusters of yellow petaloids produce an exquisitely beautiful effect when seen in contrast with the crimson, rose, pink, or white guard petals.

The following comprise some of the finest varieties belonging to the section. Cendrillon cherry red, with pink and golden center; Her Grace, white with yellow petaloids; King of England, rich ruby, with gold and crimson center; Knight of the Thistle, deep crimson, with golden center;



# FOREST TREE Seedlings

We Have Millions of Seedlings

**LACK LOCUST, CATALPA SPECIOSA,** Red Bud, Sweet Gum, Persimmon Poplar, Ash, Elm and various other seedlings at very low prices.

A large stock of transplanted 2 to 6 ft. **Hamelis Virginiana**; **Caycanthus**, sweet shrub, 6 in. to 3 ft.; **Spica Van Houttei**, 2 to 2½ ft.

Fine Stock. Send for List.

**FOREST NURSERY & SEED CO.**  
McMinnville, Tenn.

## Norway Maples...

Specimen trees 14-18 ft., 2 1/2 in. dia.

**Rhododendron Hybrids**

1-3 ft. Best varieties and colors.

**Rhododendron Maximum**

(The Natives), 2-6 ft. in car lots; fine plants.

**Koster Blue Spruce**, 4 1/2 ft. and 5 1/2 ft.

**California Privet** for hedge

Fine plants, 2-3 ft. and 3 1/2 ft.

A large assortment of Fruit, Shade and Ornamental trees and Shrubs.

Write for prices

Catalogue mailed upon request.

**MORRIS NURSERY CO.,**  
Sales Office. 1 Madison Ave., New York.

## Extremes Meet

MINIMUM COST — MAXIMUM QUALITY

This is demonstrated fully in our 1910 catalogue of **PERENNIALS** and other **HARDY PLANTS** which we grow exclusively by the acre.

Free For The Asking.

**Palisades Nurseries, Inc.,**  
SPARKILL, N. Y.

## LARGE TREES

**OAKS and MAPLES**  
**Pines and Hemlocks**

**ANDORRA NURSERIES,**

Wm. Warner Harper, Prop.  
Chestnut Hill, PHILA., PA.

THE

**Storrs & Harrison Co.**

**PAINESVILLE NURSERIES.**  
CATALOGUES AND PRICE LISTS  
FREE ON APPLICATION.....

**PAINESVILLE, OHIO.**

Lady Cecilia Rose, white, with soft yellow center; Moonlight, white with narrow white petals in the center; Princess Dhuleep Singh, bright pink, with white center; one of the best of the many fine varieties that have been added to the section by Kelway & Son, and Treasure Cup, salmon-pink with golden center.

Those who intend forming new beds and borders of peonies this season should commence the work of preparation with as little delay as possible

# Roses! Roses!

We offer for immediate delivery the following Roses on own roots, dormant, field-grown plants, first-class in every way:

|                            |           |
|----------------------------|-----------|
| 1000 Helen Gould, Balduin, | 12 cents. |
| 300 Pink Baby Ramblers,    | 12 cents. |
| 500 Newport Fairy, - -     | 12 cents. |
| 1000 Dorothy Perkins, - -  | 12 cents. |
| 2000 Tausendschon, - -     | 20 cents. |

Also a limited number of dormant, field-grown plants, own roots of the following Roses at 12 cents each; **Sweetheart, Trier, Lady Gay, La Fiamma, Taurus Blumchen, Debutante, Hlawatha.**

|                                                                  |           |
|------------------------------------------------------------------|-----------|
| <b>Clematis</b> Paniculata, field-grown, 1 yr.                   | 5 cents.  |
| <b>Clematis</b> Paniculata, field-grown, 2 yr.                   | 8 cents.  |
| <b>Hydrangea</b> Paniculata Grandiflora, 18 to 24 in.            | 6 cents.  |
| <b>Hydrangea</b> Paniculata Grandiflora, 2 to 3 ft.              | 9 cents.  |
| <b>Viburnum</b> Plicatum, 2 to 3 ft.                             | 12 cents. |
| <b>Chinese Sacred Lilies</b> , \$3.00 per 100; \$25.00 per 1000. |           |

**Guide To Rose Culture** As a work of reference, this book is almost indispensable and was produced at a cost of \$10,000. FREE to all who ask for it. Write to-day.

**The DINGEE & CONARD CO.,** West Grove, Pa.



## Pink Climbing Rose— Dorothy Perkins

Without doubt the most valuable of all the new Climbing Roses of comparatively recent introduction. The beauty of the double pink flowers is admirably set off by the rich green foliage, which is free from the attacks of insects.

In addition to this charming kind, we have all the popular varieties in climbing and bush Roses. Our General Catalogue, which will be mailed on request, contains descriptions of all the best Roses —also

Fruit and Ornamental Trees, Shrubs and Hardy Plants.

**ELLWANGER & BARRY,**  
Mount Hope Nurseries. Rochester, N. Y.

# STOCK FOR FLORISTS

**ROSES** for Forcing—Hybrid Perpetuals and Ramblers, all the best ones; fine, strong stuff, **Clematis, Ampelopsis, Tree Hydrangeas and Lilacs, Shrubs, Vines and Perennials.** Write for prices.

**PALMS**—Kentias in 2½-inch pots, \$8.00 per 100; \$75.00 per 1000.

**JACKSON & PERKINS CO., Newark** (near Rochester), New York  
Nurserymen and Florists. Wholesale only. Use printed stationery.

The soil should be trenched to a depth of two feet and be liberally enriched with farmyard manure and leaf-mould, or other vegetable matter.

**DOVER, ME.**—Fred Norris is erecting a greenhouse on Spring street.

**DUQUESNE, PA.**—Albert C. Miller, late of Homestead has opened a retail store here.

**SISTERVILLE, W. VA.**—Work was started March 21 on the new greenhouses which T. J. Huston is building at Hanford City, and it is the intention to push the construction of the new plant as rapidly as possible in order that it may be in shape for occupancy early in the fall. Mr. Huston has planned a greenhouse of much larger proportions than the one on the south side, and he will engage in the business on a much more extensive scale in the future. The new greenhouse will be constructed of steel and concrete.



## Arbor Vitæ

(*Thuja Occidentalis*.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

**The Wm. H. Moon Co.,**  
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Mention the American Florist when writing

## DAHLIAS

Jack Rose and other best Cut Flower varieties. Write for list and prices.

**PEACOCK DAHLIA FARMS**

Williamstown Junction, N. J.

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Designs, Estimates, Construction of Grounds



## Origin of My Maryland Rose.

The Baltimore Star recently came out with a fine illustration of My Maryland rose and a description of its origin from which we cull the following:

"When J. P. Morgan was recently entertained in Baltimore by Gen. John Gill and dined upon the oysters, terrapin and canvasbacks for which the Chesapeake is famous there was a floral decoration introduced at that feast which made the beauty-loving Gothamites aware that our enviable possessions were not all of the material sort.

"Baltimore women are enthusiastic over the name and the beauty of the new rose; and everybody wants to know the 'How?' and 'Whence?' and 'Why' of it. Many have wondered whether the name was chosen before the rose was developed or whether it was bestowed by mere chance afterward. The facts of the case are most gratifying to our state pride, for the name was bestowed upon My Maryland rose by one who is only a son of Maryland by adoption, John Cook, and who, after having evolved by processes of hybridizing an incomparably beautiful and fragrant rose, decided that for such perfection and charm there could be no question about an appropriate name—in the eternal fitness of things it could be nothing but My Maryland, the home to which, after half a century of residence, he has grown so attached that he will never leave it to return to his native Frieberg, in Germany.

"And in coming from a Teutonic source My Maryland rose is but following the precedent of all the famous roses of the modern world, as the first rose ever cultivated, in the present sense of the word, was grown in the Netherlands and sent to England, from whence came all the old favorites of the tea varieties that bloomed in the colonial gardens of Maryland and those of a later period; and the new favorite is also of this kind, having been developed from two tea roses—Madonna, a pure white rose, and Enchanter, a deep pink one. The result of this combination could not have been more fortunate or typical.

"Not a red rose, nor a deeply florid pink, nor a colorless one of pallid white, but one that in its dainty tinting, elusive sweetness, beauty of form and grace of pose is most symbolical of the Baltimore girl and her sisters throughout the state's domain. A My Maryland rose must, of course, be beautiful; but it must, equally, have other qualities to round out its perfections. It is not only adapted to fashionable functions, where it has in the two brief years of its existence, made its way to the front and is pushing its rivals—Bridesmaid and Killarney—to the rear, but it flourishes in the home garden all the summer and will live and bloom outdoors in any part of the state. When cut it is a splendid keeper, the stems remaining stiff and upright for days, the buds opening very gradually.

"While it was the Morgan dinner that made the general public aware of the existence of a My Maryland rose, the rest of the world, as is often the case, knew of our treasure before we did; as it has been sought by growers in all parts of this country and by those of England, Germany, France and Canada. Indeed, the most patriotic daughter of the state must consider the new rose when she sees the actual blooms, beautiful enough to bear even such a glorifying name as My Maryland."

ANSONIA, CONN.—J. W. Willis opened a flower store in the Y. M. C. A. building March 21.

## A ROSE FOR EVERY GREENHOUSE

## GRAFTED ROSES

White Killarney, My Maryland, Pink Killarney, Richmond.

Bride, Bridesmaid, Golden Gate, La France, Kaiserin.

Rose pots ..... \$15 00 per 100  
3½-inch pots ..... 18 00 per 100

Rose pots ..... \$10 00 per 100  
3½-inch pots ..... 15 00 per 100

## OWN ROOT ROSES

White Killarney, My Maryland, Richmond, Pink Killarney, American Beauty.

Bride, Bridesmaids, Perle, Sunrise, Golden Gate, Chatenay, Kaiserin.

3-inch pots ..... \$ 9 00 per 100  
4 inch pots ..... 12 00 per 100

3-inch pots ..... \$ 7 00 per 100  
4-inch pots ..... 10 00 per 100

We will have large quantities of White Killarney and American Beauty Rose plants of the best quality for spring delivery. Verbenas and Coleus Cuttings and Plants ready for shipment. —Send for Circulars—

J. L. DILLON,

Bloomsburg, Pa.

## Asparagus Sprengeri

Fine plants from 4-in. pots, for immediate shipment, \$6.00 per 100

Also a fine assortment of

Aster Seed and Chrysanthemums.

ELMER D. SMITH &amp; CO.,

Adrian, Mich.

## Verbenas for Everybody.....



Of the finest varieties that ever grew. 70c per 100; \$6.00 per 1000.

Mums, the good kind, \$1.25 per 100; \$10.00 per 1000.

Daisies, white and yellow, \$1.00 per 100; \$8.00 per 1000. Our big double Giant

Alyssum, 80c per 100 \$7.00 per 1000.

Feverfew, \$1.25 per 100; \$10.00 per 1000.

We prepay express charges on all rooted cuttings and guarantee satisfaction. C. very strong, \$2.25

Enchantress Carnations, R. per 100: \$20.00 per 1000.

C. HUMFELD, The Rooted Cutting Specialist, CLAY CENTER, KANS.

## The Landscape Beautiful.\*

This book is a series of essays by Frank A. Waugh, the well known professor of horticulture at the Massachusetts Agricultural College, at Amherst, and its sub-title seems to fit it so well that we give it in full: "A Study of the Utility of the Natural Landscape, its Relation to Human Life and Happiness, with the Application of these Principles in Landscape Gardening and in Art in General." Mr. Waugh has given us an unusual book, something quite out of the ordinary, showing how we are affected by the landscape. He says at the end of his essay on "Landscape and Life": "The doctors have discovered a new name for an old disease—nostalgia, which, translated into English, means 'we want to see our home again.' There were dark and terrible days for the men and women who went from New England to settle the great plains. Many a woman of gentle nature really died in the trial, and the great longing was not to see the old schoolmates nor even, in most cases, to see parents or brothers or sisters, but to look once more on the peaceful green hills, on the dark pine forests and the quiet clustering houses of the village in the valley."

And so on throughout the book Mr. Waugh shows that the landscape is the people's privilege, though capitalists and landed proprietors do their best to shut out even the schoolboy from his swimming pool or the pub-

## Moonvines.

*Ipomaea Multiflora*, best white Moonvine, for which we have a world wide reputation, now ready, 2 1-2-inch pots \$5.00 per 100.

## GODFREY ASCHMANN,

1012 West Ontario St.

PHILADELPHIA, : PA.

## New Chrysanthemum

## Mrs. Jane Cockburn

## EARLY PINK.

Ready for February and March delivery. Blooms first week in October. Beautiful mauve pink. Good keeper and shipper.

\$6.00 per 100; \$50.00 per 1000.

Five hundred at one thousand rate.

FIRST COME.

FIRST SERVED.

SAMUEL COCKBURN & SONS,

233rd St. and Verio Ave., Woodlawn, NEW YORK CITY.

lie from enjoying the beauties of nature that should be free to all. He also has many practical ways by which a love of the landscape beautiful may be taught for, after all, the person whose mind is not attuned to enjoy beautiful scenery may as well live on a prairie alongside a straight road as anywhere else. The book is beautifully got up, and well illustrated with engravings made from photographs of the postal photographic club. Good clear type and wide margins make the book very easy reading and there is not a page in it that does not well repay perusal. At the low price at which it is offered—\$2, everyone who has a liking for the country should have a copy.

\*We can supply any books here noted on receipt of price quoted.



# Vaughan's Special Offer

## BOSTON FERNS

|                                                                           | Each    | Doz.    | 100     |
|---------------------------------------------------------------------------|---------|---------|---------|
| 6-in. pots.....                                                           | \$ .75  | \$8 00  | \$60 00 |
| 7-in. pots.....                                                           | 1 00    | 10 00   | 75 00   |
| 8-in. pots.....                                                           | 1 25    | 14 00   | 100 00  |
| 10-in. pots.....                                                          | 2 50    |         |         |
| Per 100                                                                   |         |         |         |
| Asp. Sprengeri, 2½-in.....                                                | \$ 3 00 | \$25 00 |         |
| " 3-in.....                                                               | 5 00    | 45 00   |         |
| " 4-in.....                                                               | 10 00   |         |         |
| Per doz.                                                                  |         |         |         |
| Aucuba, Japonica variegated, 18 in. high.....                             | \$ .55  | \$5 00  |         |
| 24 to 30-in. high.....                                                    | 1 50    | 15 00   |         |
| Aucuba, Japonica type, 18-in. high.....                                   | 1 00    | 10 00   |         |
| Per doz.                                                                  |         |         |         |
| Crimson Ramblers, 2 years old, 2 to 3 feet, well branched, own roots..... | \$2.00  | \$15.00 | per 100 |
| 2 years old, 2 to 3 feet, well branched, budded.....                      | 2.00    | 15.00   | per 100 |
| 3 years old, 2 to 3 feet, well branched, budded.....                      | 3.00    | 18.00   | per 100 |
| 4-inch pots.....                                                          |         | 10.00   | per 100 |
| Per doz.                                                                  |         |         |         |
| Tausendschon, 2-yr. old, dormant, grafted plants.....                     | \$3.50  | \$25.00 |         |

## CROTONS

| We offer a choice collection of fancy sorts, well colored. |        |         |         |
|------------------------------------------------------------|--------|---------|---------|
|                                                            | Each   | Doz.    | 100     |
| 3-in. pots.....                                            | \$0.20 | \$2 00  |         |
| 4-in. pots.....                                            | 35     | 3 50    |         |
| 5-in. pots.....                                            | 50     | 6 00    |         |
| 6-in. pots.....                                            | 1 00   | 10 00   |         |
| Doz.                                                       |        |         |         |
| Azalea Mollis, 15 to 20 buds.....                          | \$0.50 | \$5 00  | \$40 00 |
| 40 to 50 buds.....                                         | 1 00   | 10 00   |         |
| Doz.                                                       |        |         |         |
| Bush Box Trees, 15-18-in. high.....                        | \$4.00 |         |         |
| 20-24-in. high.....                                        | 8 00   |         |         |
| Doz.                                                       |        |         |         |
| Ampelopsis Veitchii, 2 yr.....                             | 1 75   | \$12 00 |         |
| 3-yr.....                                                  | 2 00   | 15 00   |         |
| Per doz.                                                   |        |         |         |
| Lady Gay, 2-yr. old, dormant stock.....                    | \$3.00 | \$20.00 |         |

## Deutzia

|                                  | Each   | Doz.   | 100         |
|----------------------------------|--------|--------|-------------|
| Lemoinei, 7-in.....              | \$0.25 | \$2 50 | \$20 00     |
| Clematis Paniculata, 2-yr.       |        |        |             |
| 1.50                             | 10 00  | 90 00  |             |
| 3-yr.                            | 2 00   | 15 00  |             |
| 4-yr.                            | 3 60   | 25 00  |             |
| Aralia Elegantisima, fine stock. |        |        |             |
| 5-inch.....                      |        |        | Each \$1 00 |
| 6-inch.....                      |        |        | 1 50        |

## ROSES

|                                 | Per doz. | Per 100 |
|---------------------------------|----------|---------|
| American Beauty.....budded..... | \$2.00   | \$15 00 |
| Gen. Jack.....                  | 1 75     | 14 00   |
| Mrs. John Laing.....            | 1 75     | 14 00   |
| Paul Neyron.....                | 2 00     | 15 00   |
| John Hopper.....                | 1 75     | 14 00   |
| Fisher Holmes.....              | 1 75     | 14 00   |
| Gen. Washington.....            | 2 00     | 15 00   |
| Gruss an Teplitz.....           | 2 00     | 15 00   |

## Hardy Perennial Plants

|                                    | Doz.   | 100    |
|------------------------------------|--------|--------|
| Achillea Eupatorium.....           | \$1 00 | \$7 00 |
| Anchusa Angustifolia.....          | 75     | 5 00   |
| Aquilegia Chrysantha in var.....   | 85     | 6 00   |
| Arabis Alpina.....                 | 85     | 6 00   |
| Fl. Pl.                            |        |        |
| Aster Proziosa.....                | 1 20   | 8 00   |
| Cardifolius.....                   | 1 00   | 7 00   |
| Laevis Pulcherrimus.....           | 1 50   | 10 00  |
| Novae Belgiae Glory de Nancy.....  | 1 00   |        |
| Ryecroft Pink.....                 | 1 50   |        |
| St. Egwin.....                     | 2 00   |        |
| White Dwarf Queen.....             | 1 00   | 7 00   |
| Baptisia Australis.....            | 85     | 6 00   |
| Bocconia Cordata.....              | 85     | 6 00   |
| Boltonia Asteroides.....           | 75     | 5 00   |
| Bupthalmium Cordifolium.....       | 85     | 6 00   |
| Campanula Medium Calycanthema..... | 1 00   | 7 00   |
| " Single Mixed.....                | 1 00   | 7 00   |
| " Double Mixed.....                | 1 00   | 7 00   |
| " Single White.....                | 1 00   | 7 00   |
| Catananche Coerulea.....           | 85     | 6 00   |
| Chelone Lyoni.....                 | 1 25   | 8 00   |
| Chrysanthemum Maximum.....         | 85     | 6 00   |
| " North Star.....                  | 1 25   | 8 00   |
| " Larsoni (new).....               | 2 50   |        |
| Coreopsis Lanceolata.....          | 75     | 5 00   |
| Rosea.....                         | 85     | 6 00   |
| Daisy Shasta, California.....      | 85     | 6 00   |
| Westralia.....                     | 85     | 6 00   |
| Delphinium Chinense.....           | 75     | 5 00   |
| " Album.....                       | 75     | 5 00   |
| " Kelway's Hybrids.....            | 85     | 6 00   |
| Dianthus Abbottsford.....          | 1 25   |        |
| " Plumarius Cyclops.....           | 1 05   | 6 00   |
| " Latifolius Coccineus pl.....     | 1 00   | 7 00   |
| " Plumarius double.....            | 85     | 6 00   |

|                                      | Doz.   | 100   |
|--------------------------------------|--------|-------|
| Dianthus Perfection.....             | \$1 25 |       |
| " Her Majesty.....                   | 85     | 6 00  |
| " Semperflorens.....                 | 85     | 6 00  |
| Digitalis Gloxiniaeflora, mixed..... | 1 00   | 7 00  |
| Maculata Iveryana spotted.....       | 1 00   | 7 00  |
| Echinacea Purpurea.....              | 85     | 6 00  |
| Erianthus Ravennae.....              | 85     | 6 00  |
| Eupatorium Ageratoides.....          | 85     | 6 00  |
| " Frazeri.....                       | 85     | 6 00  |
| Festuca Glaucia.....                 | 85     | 6 00  |
| Funkia Lancifolia.....               | 75     | 5 00  |
| Gaillardia Grandiflora.....          | 85     | 6 00  |
| " Kermesina Splendens.....           | 1 00   | 7 00  |
| " Grandiflora semi-pl.....           | 1 00   | 7 00  |
| " Sulphurea.....                     | 1 00   | 7 00  |
| Gypsophila Paniculata fl. pl.....    | 1 00   | 8 00  |
| double white.....                    | 85     | 6 00  |
| Helium Autumnale superbum.....       | 1 00   | 8 00  |
| " Rubrum.....                        | 1 00   | 8 00  |
| Helianthus Multiflorus Max.....      | 85     | 6 00  |
| " Sparsifolius.....                  | 85     | 6 00  |
| Heliopsis Picherianus.....           | 85     | 6 00  |
| Hemerocallis Dumortieri.....         | 85     | 6 00  |
| " Flava.....                         | 85     | 6 00  |
| " Kwanso fl. pl.....                 | 85     | 6 00  |
| Hibiscus Crimson Eye.....            | 60     | 4 00  |
| " Moscheutos.....                    | 85     | 6 00  |
| Inula Ensifolia.....                 | 1 50   | 10 00 |
| Iris Pallida Dalmatica.....          | 60     | 4 00  |
| " Mixed German.....                  | 1 00   | 7 00  |
| Lathyrus Latifolius Albus.....       | 1 00   | 7 00  |
| " Rubra, red.....                    | 1 00   | 7 00  |
| Lavender.....                        | 1 00   | 7 00  |
| " Pink Beauty.....                   | 1 00   | 7 00  |
| Linum Flavum.....                    | 1 00   | 7 00  |
| " Perenne.....                       | 85     | 6 00  |

|                                        | Doz.   | 100    |
|----------------------------------------|--------|--------|
| Lobelia Cardinalis.....                | \$1 00 | \$7 00 |
| Lychnis Viscaria.....                  | 85     | 6 00   |
| Lysimachia Barystachis.....            | 1 00   | 8 00   |
| Mint.....                              | 1 00   | 7 00   |
| Monarda Didyma.....                    | 1 00   | 7 00   |
| Myosotis Palustris Semperflorens.....  | 60     | 4 00   |
| Phalaris Arundinacea var.....          | 75     | 5 00   |
| Phlox, mixed, 3 and 4 year clumps..... | 1 00   | 6 00   |
| Physostegia Virginica.....             | 85     | 6 00   |
| Platycodon Grandiflora.....            | 85     | 6 00   |
| " Mariesi.....                         | 85     | 6 00   |
| " Alba.....                            | 1 00   | 7 00   |
| Primula Veris Grandiflora.....         | 1 00   | 7 00   |
| " Harbinger.....                       | 1 00   | 7 00   |
| Pyrethrum Uliginosum.....              | 75     | 5 00   |
| Rudbeckia Golden Glow.....             | 85     | 6 00   |
| " Golden Ray.....                      | 85     | 6 00   |
| " Newmani.....                         | 1 00   | 7 00   |
| " Nitida.....                          | 1 00   | 7 00   |
| Sidalcea Rosy Gem.....                 | 1 00   | 7 00   |
| Statice Latifolia.....                 | 1 00   | 7 00   |
| Stokesia Cyanea.....                   | 1 00   | 7 00   |
| " Alba.....                            | 1 25   |        |
| Solidago Virgaurea Nana.....           | 1 00   | 7 00   |
| Sweet William, Single mixed.....       | 85     | 6 00   |
| " Double mixed.....                    | 85     | 6 00   |
| " Red, double.....                     | 1 00   | 7 00   |
| " White.....                           | 1 00   | 7 00   |
| Tarragon True German.....              | 85     | 6 00   |
| Thalictrum Flavum.....                 | 1 00   | 7 00   |
| Tradescantia Virginica.....            | 85     | 6 00   |
| Tritoma Pfitzeri.....                  | 1 00   | 7 00   |
| Tunica Saxifraga.....                  | 1 00   | 7 00   |
| Vinca Minor.....                       | 75     | 5 00   |
| Yucca Filamentosa, 3 in. pots.....     | 75     | 5 00   |

SPRING "BOOK FOR FLORISTS!" ASK FOR IT.

## VAUGHAN'S SEED STORE,

NEW YORK.

All Plants f. o. b. Western Springs, Ill.

CHICAGO.

### Boston Notes.

The H. M. Robinson Co. had the banner Easter of its career and is already working on plans to increase the floor space of the establishment to keep pace with the rapid growth of the business. The new addition will include the several floors in the adjoining buildings, comprising over 14,000 square feet in all.

H. Capers of the Co-operative Market handled a fine variety of carnations over the Easter rush. The stock is all from the best growers and strictly fresh, a most valuable feature holiday time.

Wm. Tailby, of Wellesley, is a candidate for the office of selectman in his home town. William generally gets anything he goes after, so we have no doubts as to the outcome.

John MacFarland of North Easton is running especially strong on gardenias and valley. He seems to be the mainstay of the local market on these two flowers.

The Winsor carnations of John Barr would be hard to beat. They are coming in very freely now and are up to the Barr standard in every way.

The first iris of the season is coming from Wm. Patterson of Wollaston.

R.

### Philadelphia Notes.

The stores, in the main, report a good business. Pennock Bros. made up quantities of plant baskets; a gilt basket with a bunch of grapes ornament of plastic material, was a feature. A dull finish white basket was also a novelty and looked stunning when filled.

W. McKissick & Bros. kept all hands going day and night Wednesday and Thursday with shipping and later with local orders. They say they had a very successful Easter.

Ed Reid handled double violets by the hundred thousand. These are an Easter specialty with him and he is there each season with the goods. K.

## Cannas

King Humbert. Alphonse Bouvier.  
Chas. Henderson. Mlle. Berat.  
Ex. Crampbell. Florence Vaughan.  
Mad. Crozy. Souv. de Antoine Crozy.  
Write for special prices, stating quantity wanted.

### FRESH TOBACCO STEMS.

Bale of 300 lbs., \$1.75; ton \$9.00.

W. C. BECKERT, Seedsman,

103 Federal St., N.S., PITTSBURG, PA.

ATLANTA, GA.—Dr. Howell has disposed of his interest in the Atlanta Floral Co. to Messrs. Borg and Erickson of the Chattanooga Floral Co., who take possession April 1. Mr. Borg is now on the ground. The new proprietors expect to rent the Chattanooga place and give their entire time and attention to the new interests.



# Double Your Carnation Profits===Last Chance to Buy

The trade has certainly bought liberally of Carnation Dorothy Gordon this winter and spring—orders for rooted cuttings have taxed our producing capacity nearly to the limit, but we're proud of the stock we've sent out, and judging by their kind letters, our customers are pleased, too. And next winter, when all those splendid plants come to bloom and these florists begin to make money as they have never before made it from carnations, they'll be still better satisfied!

Have you delayed getting in your order for this magnificent new Carnation? If so this advertisement is addressed to you; we have just a few thousand more cuttings in the sand for April 15th delivery and when these are taken, no more will be available till next winter.

The merit of this splendid new variety has been thoroughly proved, and the only possible loss you can experience in the matter is to let this opportunity slip by and stick to the old sorts you've been growing in the past.

## Carnation Dorothy Gordon

Has a splendid pedigree, a long list of good qualities and an enviable record of prizes and awards. It is a seedling of Lawson on Enchantress, possessing the principal merits of these varieties without their faults. It is vigor in growth and is perfectly free from disease. Its flowers are a trifle darker than Pink Enchantress; they are borne in double the quantity, and are of exceptional size averaging over 3 inches in diameter. They are very fragrant and keep exceptionally well. The market price paid for Carnation Dorothy Gordon is regularly 50 per cent. more than that paid for Enchantress.

From the very first Dorothy Gordon has established a splendid

record as an exhibition variety. High awards were given it at the meeting of the American Carnation Society in 1908 and at the National Gardeners' Association meeting in New York in 1909. This season it has attracted much attention and has won further renown at the Pittsburg and Toronto meetings.

In order to give the trade a fair opportunity to test it thoroughly, we have from the first sold rooted cuttings at a price which would get it established everywhere. This low figure still prevails and the remaining stock will be sold at these prices: \$10.00 per 100; \$75.00 per 1000.

No further offers this season.

**JOSEPH HEACOCK COMPANY, Disseminators, Wyncote, Pa.**

### FUCHSIAS

There are none better than Little Beauty Lord Byron, Renan and White Beauty. Strong 2½ inch plants ready \$4.00 per 100 New Heliotrope, Miss Bernice a sport of Mme. Brunt and a great improvement on the latter 2½ inch \$8.00 per 100.



Katalog for the Asking.  
**SKIDELSKY & IRWIN CO.,**  
1215 Betz Bldg.,  
PHILADELPHIA, PA.

San Francisco.

After a lenten season which has been unusually quiet for the retailer, we are, at the date of writing, on the eve of Easter, which every one hopes will bring a rush of orders. The market of late has been so demoralized for almost all kinds of flowers, that they were disposed of for almost any price offered. Carnations in particular were a drug, being brought in in enormous quantities by the many Japanese growers in this vicinity. But with the close of the lenten season and a considerable shortening up of the supply the growers hope to be able to receive more remunerative prices in the near future.

#### NOTES.

At a meeting of the growers and wholesalers of this city and vicinity recently held at the office of E. W. McLellan & Co., it was decided to form a board of trade for the protection of its members against unscrupulous dealers. Almost every grower and wholesaler suffered more or less financial loss during the last year by the actions of certain firms here. Frank Shibeley called the meeting to order and those present proceeded to elect officers. H. Plath was unanimously elected president of the association and E. W. McLellan secretary. A committee on by-laws was then appointed by the president, consisting of the following members: F. Shibeley, E. Schwerin and P. Ferrari. After the signing of the roll by all those present the meeting adjourned until called by the committee for the adoption of the by-laws.

The MacRorie-McLaren Co. is very busy with landscape work, having quite a number of new places to lay out. A carload of glass is on the way from the east for this firm for the erection of a section of greenhouses at its place at San Mateo.

H. Plath had the finest lot of *Primula obconica* in bloom in the most brilliant variety of colors, some of

## Geraniums

### ROOTED CUTTINGS

Ricard and S. A. Nutt, ready April 20th.  
at \$10.00 per 1000.

### SPRENGER

Extra fine, ready for 4-inch pots, first size, \$5.00 per 100; second, \$3.50 per 100. Samples for 10c.

### PLUMOSUS

Good stock from rose pots at \$25.00 per 1000.  
Sample for 10c.

**ALBERT M. HERR,** Lancaster, Pa.  
Mention the American Florist when writing

## A New Fern NEPHROLEPIS GIATRASHII

Awarded a Certificate of Merit by the Horticultural Society of New York.

Prices: In 2¼-inch pots, \$3.50 per dozen; \$25.00 per 100; \$200.00 per 1000. 25 plants at 100 rates; 500 plants at 1000 rates. Orders delivered in rotation as received. Now Ready for delivery,

**GEORGE GIATRASH,**  
463 Summit Ave., West Hoboken, N. J.

## SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums  
Carnations for fall delivery. Smilax, Violets

### IN BEST VARIETIES.

Prices low. Send for list.

**Wood Brothers,** FISHKILL, New York.

the single flowers measuring 2½ inches in diameter; his adiantums and other ferns are also in excellent condition.

Ferrari Bros. had a fine lot of *Lilium longiflorum* as well as Harrisii, just right for Easter; their roses as usual were of very fine quality and they have been growing quite a few gardenias this season.

E. James of Elmhurst was in with a splendid lot of genistas and hydrangeas for Easter.

F. Pelicano is adding another large greenhouse to his already extensive range.

## Vinca Variegata...

R. C. 90c; \$8.00 per 1000. Extra fine.

## DBLE PETUNIA

2-in. \$2.00 per 100

Smilax, 2-in., \$1.25 per 100. Abutilons, 3 kinds. 2-inch, 2½c. Cuphea, 2-in., 1½c. Geraniums, Double Grant, Buchner Gen. Grant 2-in. 2c. Coleus, 10 kinds. Ageratum, 3 kinds, \$1.50 per 100. Swainsonia alba, 2-in. 2c. Snapdragon, white and scarlet, 2-in. 2c. Heliotrope, Yellow Daisies, 2-in. 2c. Rose Geranium, 2-in. 2c. Salerol Geranium, 2-in. 3c.

Feverfew, double white, small plants, 75c; \$6.00 per 1000.

Rooted Cuttings, prepaid per 100. Heliotrope, \$1.00; Fuchsia, 8 kinds, \$1.00; Paris Delay, yellow, white, \$1.00; Cuphea, 75c. Vinca Variegata, 90c; Coleus, 10 kinds 60c; Alternanthera, 3 kinds, 90c; Ageratum, 3 kinds 60c; Swainsonia alba, \$1.00; Dbl. Petunias, 10 kinds, \$1.00.

Cash with order.

**BYER BROS.,** Chambersburg, Pa.

Send for Price List of  
**Ferns, Araucarias,  
Palms, Asparagus,  
and Bedding Plants.**

### ALSO

Wire Hanging Baskets:

**D. U. AUGSPURGER & SONS CO.,** Box 778  
PEORIA, ILL.

## Well Rooted Carnation Cuttings

|                                | Per 100 | Per 1000 |
|--------------------------------|---------|----------|
| Enchantress .....              | \$2.00  | \$18.00  |
| Sarah Hill, white .....        | 4.00    | 35.00    |
| Lawson Enchantress, pink ..... | 2.50    | 20.00    |
| Lawson, pink .....             | 2.00    | 15.00    |
| W. H. Taft, red .....          | 4.50    | 40.00    |
| Beacon, red .....              | 3.00    | 25.00    |
| Victory, red .....             | 2.50    | 20.00    |
| Lawson, variegated .....       | 2.50    | 20.00    |

Cash with order or C. O. D.

**SCHEIDEN & SCHOOS,**

517 Asbury Ave., Evanston, Ill.

Schwerin Bros. had a very fine lot of azaleas and ericas.

Visitors: A. Ringier of W. W. Barnard & Co., Chicago; Wm. Hert-rich, head gardener at H. E. Huntington's place at San Gabriel, Los Angeles, on his way home from a trip through the east; Chas. C. Navlet of San Jose, who reports business as fairly good.





PANSY GERANIUM.

# Pelargonium

## NOVELTIES.

From 2½-in. pots, each, 25c; doz., \$2.50.

1 each of 6 vars., \$1.35; 3 each, \$3.65.

**Emanuel Lias**—Mottled rose and white.

**King Haakon**—Purple, dark blotch on lower petals.

**King of Spain**—Reddish purple, light center.

**Ladas**—Blush pink, upper petals blotched maroon.

**Lady Churchill**—Blush salmon.

**Prince Olaf**—Orange scarlet.

## STANDARD SORTS.

Extra strong 2½-in. pots (ready for 3-in.) \$1.50 \$10.00  
 3 " " " " 4 " " 2.00 12.00

**Countess**—Clear salmon, white center.

**Dorothy**—Rosy salmon, blotched dark maroon.

**Goldmine**—Bright orange, one of the freest.

**Mme. Thibaut**—White, blotched maroon and rose.

**Mme. Vibert**—Fiery red, blotched maroon, edged pink.

**Mrs. R. Sandiford**—Pure white, double.

**Marie Mallet**—White, blotched maroon.

**Princess May**—Salmon rose, maroon blotches.

**Sandiford's Best**—Beautiful pink, white margin.

**Sandiford's Wonder**—Blotched white and red.

**Surprise**—Fiery red, black blotches, white margin.

**Tommy Dodd**—Lower petals blush, upper maroon and crimson.

**Mrs. Loyal**—The "Pansy Geranium."

## VAUGHAN'S SEED STORE

NEW YORK. All plants f.o.b. Western Springs. "Spring Book for Florists." Ask for it. CHICAGO.

### Rooted Carnation Cuttings

For Immediate Delivery.

**ENCHANTRESS, PERFECTION, BEACON**, \$3.00 per 100; \$25.00 per 1000.

**ROSE PINK ENCHANTRESS and WINSOR**, \$2.50 per 100; \$20.00 per 1000.

We can fill orders from 1000 to 100,000 and guarantee the stock.

J. D. THOMPSON CARNATION CO.,  
JOLIET, ILL.

## Mrs. C. W. Ward

Mrs. C. W. Ward is a perfectly formed flower, with full center; color, deep pink, several shades lighter than Lawson, deeper than Winsor; having strong, erect stems 24 to 36 inches in length. A vigorous, healthy grower, and has never shown disease of any kind.

Price, Rooted Cuttings:—\$2.00 per 12; \$12.00 per 100; \$100.00 per 1000; 25 at the 100 rate; 250 at the 1000 rate.

Plants from 2-inch pots, \$15.00 per 100.

ALMA WARD ALL SOLD.

## Cottage Gardens Co., Inc.

QUEENS, LONG ISLAND, N. Y.

## Geraniums Coleus

100 1000  
 8 varieties, my selection, 2½-in. pots, \$3.00 \$25.00  
**Asp. Sprenger** seedlings..... 1 00 7 00  
**Double Petunias**,..... 3 00  
 10 varieties of **Cannas**, 3½ in. pots, Apr. 1.. 4 00

100  
 10 varieties 2¼-in pots, Apr. 1.....\$ 2 00  
 400 **Asp. Plumosus**, 2¼ in pots..... 2 00  
**Alternantheras**, red and yellow, Apr. 1. .... 2 00  
**Pansy Plants** small .....\$2 50 per 100 50  
**Pansy Plants**, large, Apr. 1..... 1 50

Cash, No C. O. D.—

## JOS. H. CUNNINGHAM, Delaware, O.

FINDLAY, O.—J. J. Waaland is erecting a violet house.

ST. JOHN, N. B.—Homer S. Cruikshank says that trade was about the same as last year, roses and carnations being most in demand, with bulbous stock least salable. There was no appreciable increase in prices.

FREMONT, NEB.—G. L. Welch has just purchased 17 acres of the Dockstader land for an expansion of the nursery business.

CROMWELL, CONN.—August Poehlmann, Chicago, visited A. N. Pier-son's rose growing establishment March 9, during his eastern trip.

## GOOD, CLEAN, HEALTHY 2-inch Stock

We have the following in surplus stock, a few thousand to dispose of:

**ROSES** Per 100 Per 1000

**Maid and Bride**.....\$3.00 \$25.00  
**My Maryland, Mrs. Jardine and Beauty** .....\$6.00 50.00

## J. A. Budlong,

37-39 Randolph Street, CHICAGO.

SPOKANE, WASH.—The Hoyt Bros. Co. report a 35 per cent increase in business over last year with prices about the same. There were plenty of plants and cut flowers, especially violets. There was about an equal call for the various lines of plants, except cinerarias, which were not so popular. In cut flowers everything sold well except the bulbous stock which dragged somewhat. A good spirit prevailed among buyers who were looking for high grade stock.





## Cacti and Mexican Resurrection Plants

We are in the heart of the cactus country, and furnish the healthiest open-grown stock, over 100 varieties, to the foreign and domestic trade. 28-page illustrated catalogue of Cacti free.

**Mexican Resurrection Plants.** We are strictly headquarters for this plant and ship all over the world. Good-sized dormant plants, guaranteed to "resurrect." 1000, 10.00; 5,000 at \$3.50; 10,000 at \$8.00.

THE FRANCIS E. LESTER COMPANY,  
Dept. LS2, Messila Park, N. M.

## Pansy Plants

Large stocky plants in bud and bloom; the very best strain at \$1.25 per 100, \$10.00 per 1000; smaller plants \$2.00 per 1000.

**Stocks, Dusty Miller, Verbenas, Phlox, Alyssum, Heliotrope, Ageratums, Mme. Salleroi Geraniums, Asp. Sprengeri and Scarlet Sage,** fine plants out of 2½-in. pots, \$2.00 per 10; 300 for \$5.00; \$15.00 per 1000.

**Cabbage Plants** for field, \$1.25 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Cincinnati.

GOOD EASTER BUSINESS.

Easter with all its trials and tribulations is past and reports from the wholesalers and retailers show that they were more than pleased with the volume of business done. The retailers claim that Easter trade was a trifle better than that of last year while the wholesalers state that shipping trade was not quite up to last year but the local florists bought heavy and by Sunday noon there was not much left in the wholesale houses. The most popular flower was the violet and not nearly enough were forthcoming for orders. In a great many cases sweet peas had to be substituted. Lilies and American Beauty roses were a little short of demand, otherwise there were flowers enough of all kinds to go around. A fine line of flowering plants were to be had, although the demand ran principally to cut flowers and we noticed on Easter Monday quite a lot of plants left over. Prices obtained were good and, taking everything into consideration, all fared pretty well and all are of the opinion, "We are glad it's over."

### NOTES.

Henry Schwarz is showing a new daisy that originated at his place about two years ago and of which he had a fine lot in bloom at Easter. The flowers are nearly as large as those of the Shasta and Henry has a good thing in this new variety. He will grow a large quantity of the same another year.

Moeller's Deutsche Gartner Zeitung, in a recent issue, devoted a full page to J. A. Peterson's Begonia Glory of Cincinnati, giving an elegant description of same, also showing a very good cut of a house of Adiantum Farleyense and one of the begonias in bloom.

Tromey's Flower Shop was very busy with funeral work Easter Monday, the whole force working all night. No getting around it, Geo. Tromey is a hustler and is building up a nice business. Nobody is more deserving.

Only seven bowlers showed up at the alleys on Monday night. No doubt the boys had not fully recovered from the Easter rush and were tired out and those that did come out had a good time at the club's expense.

The next meeting of the Florists' Society will be held in the club rooms, Jabez Elliott Flower Market, on Mon-

# Carnations

ROOTED CUTTINGS

|                                                 | Per 100 | Per 1000 |
|-------------------------------------------------|---------|----------|
| Mrs. C. W. Ward .....                           | \$12 00 | \$100 00 |
| Alma Ward .....                                 | 15 00   | 125 00   |
| Mrs. J. C. Vaughan, Bay State and Georgia ..... | 6 00    | 50 00    |
| Robert Craig, Afterglow and Enchantress .....   | 3 50    | 30 00    |

New Crop Early Flowering Single Chrysanthemum Seed

and Gold Medal Pentstemons

at 25c and \$1.00 per package.

CHARLES H. TOTTY, Madison, N. J.

## JUANITA, (Wah-nee-ta)

A grand scarlet **Carnation**, with about a 3½-inch flower, well built up with a two-foot stem.

**Its Strong Points Are:** Abundance of large, high grade flowers at all times; stem very stiff with good habit in every way; keeping qualities are wonderful; burst blooms are rare. We have grown it 6 years and will still grow as many as we have now. We have never over propagated it, so its vitality is not impaired. Cuttings will be taken from flower stems which are the best. The color is so bright and rich it takes with every one. We have a very large stock. **Price:** Rooted cuttings \$8.00 per 100; \$60.00 per 1000. Special price in large lots. Unrooted stock half price. A discount of 5% for cash.

THE FILLOW FLOWER COMPANY,

Westport, Conn.

## Ferns for Dishes...

Assorted varieties, 2¼-in. pots, \$3.50 per 100; \$30.00 per 1000. Cash with order.

FRANK OECHSLIN

4911 Quincy St.

CHICAGO.

day evening, April 11, and a full attendance is requested.

C. J. Ohmer shipped his first consignment of Asparagus plumosus to this market from his Florida farm last Friday.

J. T. Herdigen, of Aurora, Ind., was in town Easter Monday buying up stock for a large funeral order.

S.

### Filling Window Boxes.

ED. AMERICAN FLORIST:—

Would you please tell me the best way of arranging window boxes?

H. M.

This is a fairly comprehensive query, for there are many excellent ways of filling window boxes, and tastes differ so much that any one of them may be thought best by some people. One of the simplest, yet most effective methods is to plant good white marguerites, S. A. Nutt geraniums and green or variegated vincas. The latter vines would, of course, be planted on the edges of the boxes and droop over them. The scarlet and white of the other plants make a bright and effective showing all through the summer. Dracæna terminalis, small crotons and Pandanus Veitchii, with a few brightly colored coleuses and iresines or alternantheras make a pretty foliage combination for sunny windows, but would not be suitable for shady places. Last season we noted some very pretty window boxes that had to be kept low, planted with Golden Bedder coleuses and Begonia Vernon, and there are many other schemes of planting that could be mentioned, all depending upon the plants at command. Owing to the small amount of room in window boxes, generally, the soil used must be good, and it must also be firmly placed, and during the summer feeding must be well kept up to maintain its fertility.

PEORIA, ILL.—James C. Murray has opened another store at 302 Fulton street.

## ASTERS and DAHLIAS.

**ASTERS,** Vick's early and late branching select colors strong transplanted plants, 2-in. per 100 \$2.00; per 1000 \$18.50.

**Dahlia Roots,** 5000 mixed to color, \$4.00 per 100; \$35.00 per 1000. Jack Rose, Ethel Schmidt, Sensation, Fringed 20th Century, Fringed Beauty, Gladys Rose Pink Century, Big Chief, at \$3.50 per dozen; \$25.00 per 100.

R. VINCENT & SONS CO., White Marsh, Md.

Mention the American Florist when writing

## List of 200 Roses

Bumper crops for spring delivery.

THE LEEDLE FLORAL COMPANY, SPRINGFIELD-OHIO.

Mention the American Florist when writing

## Young Roses ...

Chrysanthemums, Cannas, Coleus, Geraniums and all Soft Wooded Plants.

Ferns Ferns Ferns Ferns

GEO. A. KUHL, Pekin, Ill.

Wholesale Grower to the Trade.

We shall have some Specials for Decoration Day

Mention the American Florist when writing

NEWPORT, KY.—E. H. Fries, of Fort Thomas, reports fine sales on plants. Lilies were not plentiful and azaleas and bulb stock cleaned up well. Cut flowers sold well and altogether the business was about 20 per cent better than that of last year, helped by the very fine weather.

KANKAKEE, ILL.—The water tank on the 30-foot tower at the Schafer greenhouse fell March 24, crushing in one corner of the greenhouse. The loss will be about \$150. Fortunately the tower and tank fell away from the glass houses, only a portion of the debris causing the damage to the glass. The slipping of the stays to the tower is believed to have caused the accident.

HARTFORD, CONN.—All kinds of flowering plants and cut flowers were in good supply, more so than at any previous Easter in a long time. Weather conditions could not have been better, says John Coombs. Business was about 15 per cent better than last year with prices about the same. Plants and cut flowers were both in good supply. In cut flowers the greatest call was for carnations, violets and bulbous stock.



# BEGONIA LORRAINE

**Leaf Cuttings** For immediate Delivery. Stock in excellent condition. 100 at \$12 00; 500 at \$50.00. Prices for larger quantities on application.

## Bay Trees

Standards and  
Pyramids and

## Palms

## New Croton Fred Sander

A very striking variety. First  
Awards wherever exhibited. 3-  
inch pots, \$1.00 each; \$10.00  
per doz.; 5-in. pots, \$2.00 each; \$20.00 per doz. Delivery from Apr. 1.

## Orchids

Largest stock of established plants in Amer-  
ica. Fresh imported plants from the woods  
now arriving. Write for prices.

In all sizes. Always on hand for Immediate  
Delivery. Write for Special Wholesale Price List.

## Stove Plants, Box Trees, Blue Spruce and other Evergreens.

# JULIUS ROEHRS CO.,      Rutherford, N. J.

## A FEW GOOD THINGS YOU WANT.

Rex Begonia, 2-in. \$5.00 per 100.  
Asparagus Sprengeri, 3-in. \$5.00 per 100  
Geraniums, Nutt. Doyle, Perkins, Grant, La  
Favorite, R. C. \$1.25; 2-in. pots, \$2.00; 3-in.,  
\$4.00 per 100; Viaud, Castellane, Poitevine,  
Jaulin, Ricard, Buchner, R. C. \$1.50; 2-in.  
pots, \$2.50; 3-in. \$5.00 per 100; Mme. Sallerol.  
2-in. \$3.00 per 100  
Asparagus Plumosus, 2-in. \$3.00 per 100; 3-in.,  
\$5.00 per 100. Cut fronds 25c per bunch.  
Boston Ferns, 5-in 25c each, Whitman Ferns.  
4-in. 25c each  
Cycas Palms, 4 to 5 leaves, \$1.00, \$1.50 and \$2.00.  
Vinca Var., 2-in. \$2.00 per 100.  
Cash with order. No C. O. D. All shipments  
at risk of purchasers, after being delivered to the  
express companies properly packed in good order  
GEO. M. EMMANS,      Newton, N. J.

## White Killarney, My Maryland, Pink Killarney.

2½-in. plants. Booking orders now for future  
deliveries. The Right Place—The Right Goods—  
The Right Price—Come and See Them Grow.

|                   |        |        |         |
|-------------------|--------|--------|---------|
|                   | 2½-in. | 100    | 1000    |
| White Killarney   |        | \$8 50 | \$75 00 |
| Pink Killarney    |        | 6 00   | 55 00   |
| My Maryland       |        | 6 00   | 55 00   |
| Richmond          |        | 5 50   | 50 00   |
| Brides            |        | 5 00   | 45 00   |
| American Beauties |        | 7 00   | 65 00   |

3½-in. sizes will be offered, when ready, at  
40% increase over 2½-in.  
You cannot afford to buy poor stock at 50% less.  
CHRYSANTHEMUMS, Rooted Cuttings and 2½-  
in. Good commercial varieties. Price lists will  
be mailed on request.

Poehlmann Bros. Co., Morton Grove, Ill.

## Neph. Whitmani

|                        |               |
|------------------------|---------------|
| 2¼-in                  | 5.00 per 100  |
| MAGNIFICA (new), 2¼-in | 25.00 per 100 |

**Boston Ferns** 2¼-inch,  
\$3.00 per 100.

Henry H. Barrows & Son, Whitman, Mass

## ASPARAGUS, Robustus

3-inch, strong, \$5.00 per 100.      Per 100  
Asparagus, Sprengeri, 3-inch strong.....\$5 00  
Smilax, 2¼-in. strong.....3 00  
Vinca Var., 2½, 3, 4 in.      \$3 00 \$5 00. 9 00  
Geraniums, Heteranthe and J. Doyle, 4 in... 7 00  
Dormant Canna Roots, Allemania, Penn-  
sylvania, Kate Gray.....2 50  
King Humbert, New York.....5 00

**WEST END GREENHOUSES,**  
Hans Schmalzl, Prop.      Lincoln, Ill.

BROOKLYN, N. Y.—The contract for  
the topographical survey and meas-  
ure of the ground for the botanical  
garden and arboretum of the Brook-  
lyn Institute has been awarded to  
D. Barta, of 456 Manhattan avenue,  
Manhattan. The garden will be situ-  
ated between Washington and Flat-  
bush avenues adjacent to the site of  
the Central museum.

DIRECT  
IMPORTATION

# ORCHIDS

ABSOLUTELY  
FRESH STOCK.

## Arriving April 6

200 cases **Cattleya Trianae**. The earlier you receive this plant the  
more flowers the first season. No Greenhouses.

## G. L. FREEMAN CO., Fall River, Mass.

Successors to G. L. FREEMAN.

## ORCHID PEAT, (Osmunda Fibre)

Finest quality, hand cleaned, free from sticks and dirt.  
In chunks or handpicked ready for use.  
Also **Rotted and Azalea Peats, Leaf Mold, Live or Baled  
Sphagnum Moss.**  
Prices and samples on application.

## THE C. W. BROWNELL CO.,      WALDEN, N. Y.

## Orchids..

We have changed our domicile from Secau-  
cus, N. J., to Mamaroneck, N. Y. We are  
largest collectors and importers of Orchids  
and are now booking orders for all the com-  
mercial Cattleyas for delivery next spring

CARRILLO & BALDWIN, Mamaroneck, N. Y.

# Salvias

CLARA BEDMAN and BURNING BUSH  
2¼-in. pots, fine plants, \$2.00 per 100

JOHN STONE, R. F. D. No. 3. Easton, Pa.

## Snow-White Sport of Helen Frick Chrysanthemum

From 2¼-inch pots \$10.00 per 100.  
Rooted cuttings, \$8.00 per 100.  
Unrooted cuttings, \$5.00 per 100.

HENRY EICHHOLZ, Waynesboro, Pa.

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Largest Importers, Exporters, Growers,  
and Hybridists in the World.

**SANDER, St. Albans, Eng.**  
NEW YORK OFFICE:      T. MELLSTROM,  
Room 1, 235 Broadway.      Agent.

## Orchids

Arrived in fine condition: Cattleya War-  
nerii, C. Harrisoniae, C. Gaskelliana and C  
Gigas (Hardyana type); also Dendrobium  
Phalaenopsis Schroederianum and Odonto-  
glossum luteo-purpureum.

Lager & Hurrell, Summit, N. J.

## Robert Craig Co...

**HIGH CLASS PALMS**  
and Novelties in Decorative Plants.  
Market and 49th Sts., Philadelphia, Pa

## Rooted Cuttings

| Per 100                   | 1000              | Per 100       | 1000           |
|---------------------------|-------------------|---------------|----------------|
| Heliotropes \$1.00        | \$8.00            | Petunias      | \$1.25 \$10.00 |
| Daisies, white            |                   | Salvias       | 1.00 8.00      |
| and yellow 1.00           |                   | Alyssum, dbl. | .80 5.00       |
| Coleus                    | .70 6.00          | Ageratum      | .60 5.00       |
| Feverfew, \$1.25 per 100; | \$10.00 per 1000. | Abou          |                |

Express paid on rooted cuttings.

S. D. BRANT,      Clay Center, Kans.

## Vinca Variegata

Extra heavy 4-inch pot bound plants ready  
for 6-in. \$11.00 per 100. 2-year-old Asparagus  
Plumosus, clumps, 15c. 2-year-old bench  
Richmond Roses, clean and healthy, 7c.

W. W. Coles,      Kokomo, Ind.



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The Ideal Plant Food for Florists.

Write to-day for Prices and Booklet.

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Aurora, Ill.

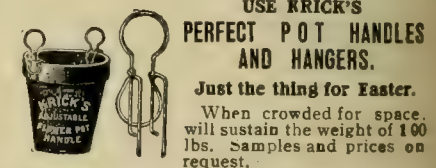
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Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

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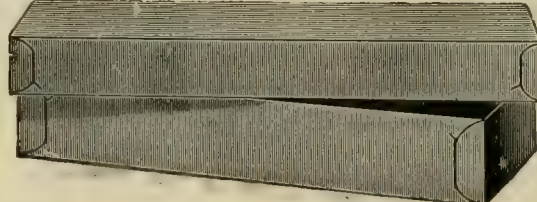
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## Sterling Iron Reservoir Vases

Chairs, Settees, Hitching Posts, Etc.

Complete Catalogue and Discounts Upon... 91st.

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## Watering System

The saving in time and labor for one season will pay for a complete equipment.

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Abutilons, 3 kinds, 2-in., 2½c. Byer Bros., Chambersburg, Pa.

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Achyranthes Lindenii (narrow pointed leaf variety) rooted cuttings, \$10 per 1,000. A No. 1 stock. H. Heepe's Sons, Akron, O.

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Ageratum, Little Blue Star, seedlings, 1c; 2¼-in., 2c. Mosbaek Greenhouse Co., Onarga, Ill.

Ageratum, 3 kinds, \$1.50 per 100. Byer Bros., Chambersburg, Pa.

## ALTERNANTHERAS.

Alternantheras, yellow, R. C., 50c per 100; 2¼-in., red and yellow, \$2. Mosbaek Greenhouse Co., Onarga, Ill.

Alternantheras, red and yellow, 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Alternantheras, red and yel., \$2 per 100. Jos. H. Cunningham, Delaware, O.

## AMPELOPSIS.

Ampelopsis Veitchii, 2-yr., \$1.75 per doz.; \$12 per 100; 3-yr., \$2 per doz.; \$15 per 100. Vaughan's Seed Store Chicago and New York.

## ALYSSUM.

Alyssum, dwarf and giant, dbl., 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Alyssum, double giant and dwarf, strong, 2¼-in., \$2 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Alyssum, 2¼-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

## ANTIRRHINUM.

Antirrhinums, dwarf majus nanum, from seed bed, 1c each. Mosbaek Greenhouse Co., Onarga, Ill.

## ARALIAS.

Aralia Elegantisima, 5-in., \$1 each; 6-in., \$1.50. Vaughan's Seed Store, Chicago and New York.

## ARAUCARIAS.

Araucarias, D. U. Augspurger & Sons Co., Peoria, Ill.

Araucarias, D. U. Augspurger & Sons Co., Box 778, Peoria, Ill.

## ASPARAGUS.

Asparagus plumosus nanus, from 2¼-in. pots, \$2.50 per 100; \$22.50 per 1,000. Cash with order. Floral Hill Gardens, G. F. Knapp, Prop., Chatham, N. J.

Asparagus plumosus, 2¼-in., \$3 per 100. Sprenger, 2¼-in., \$2 per 100; 3-in., \$5; 4-in., \$10. Mosbaek Greenhouse Co., Onarga, Ill.

Asparagus Sprenger, ready for 4-in., 1st size, \$5 per 100; 2nd size, \$3.50. Plumosus, rose pot, \$25 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus Sprenger, 2¼-in., \$3 per 100; \$25 per 1,000; 3-in., \$5 per 100; \$45 per 1,000; 4-in., \$10 per 100. Vaughan's Seed Store, Chicago and New York.

Asparagus plumosus nanus, 2¼-in. pots, strong plants, \$2 per 100. Grand Rapids Greenhouse Co., Grand Rapids, Mich.

Asparagus Sprenger Seedlings, \$1 per 100; \$7 per 1,000. Plumosus, 2¼-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 2-yr. clumps, 15c. W. W. Coles, Kokomo, Ind.

Asparagus plumosus, 4-in., extra fine large plants, \$8 per 100. Scharff Bros., Van Wert, Ohio.

Asparagus Sprenger, 3-in., \$5 per 100. Plumosus, 2-in., \$3; 3-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus Sprenger, 3-in., \$5 per 100; robustus, 3-in., \$5. West End Greenhouses, Lincoln, Ill.

Asparagus Sprenger, 2¼-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Asparagus Sprenger, 3-in., \$4 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus, D. U. Augspurger & Sons Co., Box 778, Peoria, Ill.

## ASTERS.

Asters, Vick's early and late, transp., 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

## AUCUBAS.

Aucubas Japonica var., 18-in., 55c each; \$5 per doz.; 24 to 30 ins., \$1.50 each; \$15 per doz. Japonica type, 18 ins., \$1 each; \$10 per doz. Vaughan's Seed Store, Chicago and New York.

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2,000 bay and box trees in all sizes; pyramid and standard. Write for list. Julius Roehrs Co., Rutherford, N. J.

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Begonias, tuberous rooted, separate colors, single, \$2.50 per 100; double, \$4.50 per 100. Caladium esculentum, 6-9, \$3 per 100; 9-12, \$6 per 100. Gloxinias, mixed colors, \$3.50 per 100; separate, \$4.50 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Begonia Gloire de Lorraine and Agatha, \$15 per 100; \$140 per 1,000. Turnford Hall, \$20 per 100. Pres. Taft, \$20 per 100. J. A. Peterson, Westwood, Cincinnati, O.

Begonia Vernon, strong, transplanted, \$6 per 1,000, by express; \$1 per 100 by mail; cash with order. Peter Brown, Lancaster, Pa.

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Boxtrees, bush, 15-18 ins., \$4 per doz.; 20-24 ins., \$8 per doz. Vaughan's Seed Store, Chicago and New York.

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Cannas, Sec. Chabanne, Paul Marquart, Cinnabar, \$1.75 per 100. Robusta, Mile. Berat, \$1. Wagner Park Conservatories, Sidney, O.

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Carnations, Mrs. C. W. Ward, \$12 per 100; \$100 per 1,000. Alma Ward, \$15 per 100; \$125 per 1,000. Mrs. J. C. Vaughan, Bay State, Georgia, \$6 per 100; \$50 per 1,000. Craig, Afterglow, Enchantress, \$3.50 per 100; \$30 per 1,000. C. H. Totty, Madison, N. J.

Carnations, Enchantress, Perfection, Beacon, \$3 per 100; \$25 per 1,000. Rose Pink Enchantress, Winsor, \$2.50 per 100; \$20 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

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Coleus, G. Bedder and Verschaffeltii, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

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Ferns, Boston, 6-in., 75c each; \$8 per doz.; \$60 per 100; 7-in., \$1 each; \$10 per doz.; \$75 per 100; 8-in., \$1.25 each; \$14 per doz.; \$100 per 100; 10-in., \$2.50 each. Vaughan's Seed Store, Chicago and New York.

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Ferns, Whitmani, 2½-in., \$5 per 100. Henry H. Barrows & Sons, Whitman, Mass.

Ferns, D. U. Augspurger & Sons Co., Box 778, Peoria, Ill.

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Feverfew, from seed bed, 1½c; 2½-in., 3c. Mosbaek Greenhouse Co., Onarga, Ill.

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Ficus elastica, 22-24 ins., \$6 per doz.; \$50 per 100. Frank Oechslein, 4911 Quincy St., Chicago.

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Geraniums, strong 2-in. stock, Heteranthe, Nutt, Jean Vialud, La Favorite, L'Aube, Hill, \$2 per 100; \$18 per 1,000. Our selection, \$17 per 1,000. Pamela, \$4 per 100. Anastasia Lecadre, \$3 per 100. Red Wing, the best novelty of the season, 25c each; \$2.50 per doz. Write for geranium catalogue. F. H. DeWitt & Co., Wooster, Ohio.

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Geranium, Ricard, Nutt, Buchner, from 2 and 2½-in. pots, extra fine lot of strong, cool grown plants, \$2.25 per 100; \$20 per 1,000; mixed, \$2 per 100; \$18 per 1,000. Well packed. J. R. Brooks, Oxford Depot, N. Y.

Geraniums, standard varieties, 2½-in., 3c each; \$25 per 1,000; 3-in., 6c each; \$50 per 1,000; 4-in., 10c each; \$90 per 1,000. Rose geraniums, 2½-in., 3c. Mme. Sallerol, 3-in., 4c. Mosbaek Greenhouse Co., Onarga, Ill.

Geraniums, Standard vars., 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. Ivy leaved, 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, dbl. Grant, Buchner, Gen. Grant, 2-in., 2c; Rose, 2-in., 2c; Sallerol, 2-in., 3c. Byer Bros., Chambersburg, Pa.

Geraniums, 8 vars., 2½-in., \$3 per 100; \$25 per 1,000. Jos. H. Cunningham, Delaware, O.

Geraniums, apple, 2-in., \$2; 3-in., \$4 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, R. C. Ricard, S. A. Nutt, \$10 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Heteranthe, Doyle, 4-in., \$7 per 100. West End Greenhouses, Lincoln.

Geraniums, Mme. Sallerol, 3-in., \$2.50 per 100. Wagner Park Conservatories, Sidney, O. Ill.

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Greens, fancy and dagger ferns, \$1.75 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large Bales, \$1.25; Leucothoe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch, 50 lbs., \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

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Dreer's special offer of hardy perennial phloxes. See page advertisement in this issue for prices and varieties. Henry A. Dreer, 714 Chestnut St., Philadelphia.

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Heliotrope, 2-in., 2c. Byer Bros., Chambersburg, Pa.

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Hollyhocks, double field-grown, true to color, strong stock, red, white, pink, yellow, maroon and black; colors separate. Also Allegheny or Everblooming in mixture, \$3 per 100; \$25 per 1,000. Going fast. Order today. Cash. W. W. Wilmore, Box 352, Denver, Colo.

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Hydrangea Arborescens Grandiflora Alba. The true large flowering forcing variety, warranted true, 2½-in. pots, \$3 per 100; 1-year field-grown, strong, 12 to 18 inches, \$6 per 100; \$55 per 1,000. New trade list ready. Write for it today. The Good & Reese Co., The Largest Rose Growers in the World, Springfield, O.

Hydrangea Arborescens Grandiflora. We have the largest stock of strong 2-year plants in America. Plants 2 to 3 feet, \$2.50 per doz.; \$15 per 100; \$140 per 1,000. Good plants, 15 to 20 inches, \$10 per 100. List free. E. Y. Teas, Centerville, Ind.

Hydrangea Arborescens Grandiflora Alba (grown from stock obtained from The E. G. Hill Co.). Field grown 15 to 20 ins., \$7 per 100; \$65 per 1,000; a smaller size, \$5 per 100; 2½-in., \$3 per 100; \$25 per 1,000. John A. Doyle, Springfield, O.

Hydrangea paniculata, grandiflora, 18 to 24 ins., 6c; 2 to 3 ft., 9c. Dingee & Conard Co., West Grove, Pa.

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Ivy, English, pot-grown plants, 4-in. pots, 3-ft. long, 3 to 5 branches, \$12 to \$15 per 100. A. L. Miller, Jamaica Opp. Schenck Ave., Brooklyn, N. Y.

German ivy, R. C., prepaid, 50c per 100. Chas. Frost, Kenilworth, N. J.

Ivy, German and parlor, 2-in., \$2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

### JERUSALEM CHERRIES.

Solanum, Jerusalem Cherries, seedlings, 1c each. Mosbaek Greenhouse Co., Onarga, Ill.

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Lantanas, 5 vars., 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Lantanas, 5 vars., 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

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Lilacs. Jacs Smits, Naarden, Holland.

### LILY OF THE VALLEY.

#### To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

#### From Storage.

Lily of the valley, cold storage, 250, \$3.50; per 1,000, \$13. W. C. Beckert, Northside, Pittsburg, Pa.

Lily of the valley. H. N. Bruns, 3040 W. Madison St., Chicago.

### LOBELIA.

Lobelia Kathleen, Mallard, and Newport Model, 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

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Select Sphagnum for window dressing, long and clean; guaranteed first-class (2) 10 bbl. bales, \$5.50; (2) 5 bbl. bales, \$3.50. W. H. Stackhouse, Mer., Waretown, N. J.

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Myosotis, early flowering, 3-in., \$3 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

### MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

Mushroom Spawn. Sure Crop, \$8 per 100 lbs. Weeber & Don, 114 Chambers St., N. Y.

### NURSERY STOCK.

Seedlings. Green Ash, Am. Elm, Box Elder, 6-12 ins., \$1.25; 12 to 18 ins., \$3; 18-24 ins., \$4; 2-3 ft., \$5.50. Box Elder, 3-4 ft., \$7; 4-5 ft., \$10 per 1,000. Cuttings; Norway Poplar, \$5 per 1,000; \$40 per 10,000; \$150 per 50,000; \$250 per 100,000. M. Niobe Willow, Vitellina Willow or Trichocarpus Poplar, \$2.50 per 1,000; \$20 per 10,000; \$44 per 25,000. Carolina Poplar, \$15 per 10,000; \$31 per 25,000; \$60 per 50,000; \$110 per 100,000. White or Grey Russian Golden and Laurel leaved Willow, \$12.50 per 10,000; \$27.50 per 25,000; \$50 per 50,000; \$90 per 100,000. Devil's Lake Nursery, Devil's Lake, N. Dak.

Nursery stock, Norway maples, 14 to 18 ft. Rhododendron hybrids, 1-3 ft.; Maximum, 3-6 ft. Koster blue spruce, 4-5 ft. and 5-6 ft. Cal. privet, 2-3 ft., 3-4 ft. Fruit, shade and ornamental trees and shrubs. Morris Nursery Co., 1 Madison Ave., New York.

Nursery stock. Special offer for Spring, 1910, giving contents of box lots in cold storage at New York. For varieties and prices see page advertisement elsewhere in this issue. P. J. Berckmans Co., Inc., Augusta, Ga.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, Clematis, ampelopsis, tree hydrangeas, lilacs, shrubs, vines and perennials. Jackson & Perkins, Newark, N. Y.

Nursery stock, evergreens, shade and ornamental trees, shrubs, vines, trained, dwarf and standard fruit trees, grape vines, small fruits. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock arbor vitae (Thuja occidentalis), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Viburnum plicatum, 2 to 3 ft., 12c. Dingee & Conard Co., West Grove, Pa.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

### ORCHIDS.

Orchids importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchid peat, rotted azalea peat, leaf mold, live or baked sphagnum moss. C. W. Brownell Co., Walden, N. Y.

Orchids. Largest stock in the country. Ask for prices. Julius Roehrs Co., Rutherford, N. J.

Orchids, all commercial, cattleyas and novelties, Carlillo & Baldwin, Seacaucus, N. J.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids. G. L. Freeman Co., Fall River, Mass.

### PALMS.

Palm seeds. For prices and varieties see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Palms, Kentias, in 2½-in. pots, \$8 per 100; \$75 per 1,000. Jackson & Perkins Co., Newark, N. Y.

Palms, Kentias. Joseph Heacock Co., Wyncote, Pa.

Palms. D. U. Augspurger & Sons Co., Box 778, Peoria, Ill.

Palms, Bobbink & Atkins, Rutherford, N. J.

### PANSIES.

50,000 field-grown pansy plants. They never saw either a cold or hot bed, strong, husky plants; beautiful blooms. They are the kind that sell and please, \$20 per 1,000. Albert A. Sawyer, Pansy Specialist, Pansy Garden, Oak Park, Ill.

Pansy plants, large, strong plants from cold frames, in bud and bloom, fancy strain, \$2.50 per 100; \$18 per 1,000. H. Skelcher & Sons, R. 4, Webster Grove, Mo.

Pansy plants, Kenilworth strain from fall sown seed, prepaid, 50c per 100; large, \$1; 1,000 by express, \$3; large, \$8. Chas. Frost, Kenilworth, N. J.

Pansy plants, 50c per 100; \$2.50 per 1,000; large plants, \$2.50 per 100. Jos. H. Cunningham, Delaware, O.

Pansies, German strain, \$2.50 per 1,000. F. C. Riebe, Webster, Mass.

Pansies, \$2 per 1,000. J. C. Schmidt, Bristol, Pa.

### PELARGONIUMS.

Pelargoniums, novelties, 2½-in., 25c each; \$2.50 per doz. Emanuel Lias, King Haakon, King of Spain, Ladas, Lady Churchill, Prince Olaf. Standard sorts, 2½-in., \$1.50 per doz.; \$10 per 100; 3-in., \$2 per doz.; \$12 per 100; Countess, Dorothy, Goldmine, Mme. Thibaut, Mme. Vibert, Mrs. R. Sandiford, Marie Mallet, Princess May, Sandiford's Best, Sandiford's Wonder, Surprise, Tommy Dodd, Mrs. Loyal. Vaughan's Seed Store, Chicago and New York.

Pelargoniums, Mme. Vibert, Sandiford's Surprise, Linda, Dorothy, Mme. Thibaut, strong, 2-in., \$6 per 100. F. H. DeWitt & Co., Wooster, Ohio.

### PEONIES.

Peonies all vars., Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars., W. & T. Smith Co., Geneva, N. Y.

Peonies only by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

Peonies, a superb collection. Jackson & Perkins Co., Newark, N. Y.

### PFPERS.

Celestial peppers from seed bed, \$1 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

### PETUNIAS.

Petunias, dbl. mixed, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. Dreer's single, same price. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Petunias, unrooted cuttings, 40c per 100; \$3 per 1,000; rooted, \$1 per 100; \$7.50 per 1,000. J. Lletzan, Geneva, Ill.

Petunias, dbl. fringed, 5 good vars.; rooted cuttings, 1c; 2-in., 2½c. J. L. Schiller, Toledo, O.

Petunias, double mixed, 3-in., \$5 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Petunias, dbl., \$3 per 100. Joseph H. Cunningham, Delaware, O.

### PRIMULAS.

Primula obconica, in fine bloom, \$5 to \$8 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Primula obconica, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

### PRIVET.

50,000 California privet and Ampelopsis Veltchil, field-grown. Benj. Connell, Merchantsville, N. J.

California privet, 10 to 15 inches, branched, \$10 per 1,000. Larger sizes at low rates. E. Y. Teas, Centerville, Ind.

### RHODODENDRONS.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

### RESURRECTION PLANTS.

Resurrection Plants.—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100; delivered, \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis E. Lester Company, Dept. L. S., Mesilla Park, N. M.

### ROOTED CUTTINGS.

Rooted cuttings: Heliotrope, \$1 per 100; \$3 per 1,000; daisies, \$1 per 100; Coleus, 70c per 100; \$6 per 1,000; Feverfew, \$1.75 per 100; \$10 per 1,000; petunias, \$1.25 per 100; \$10 per 1,000; salvias, \$1 per 100; \$8 per 1,000; Alyssum, 80c per 100; ageratum, 60c per 100; \$5 per 1,000. S. D. Brant, Clay Center, Kans.

Rooted cuttings: Verbenas, 70c per 100; \$6 per 1,000. Mums, \$1.25 per 100; \$10 per 1,000. Daisies, white and yellow, \$1 per 100; \$8 per 1,000. Alyssum, 80c per 100; \$7 per 1,000. Feverfew, \$1.25 per 100; \$10 per 1,000. Mme. Sallerol, \$1.25 per 100; \$10 per 1,000. C. Humfeld, Clay Center, Kans.

Rooted cuttings, prepaid per 100: Heliotrope, \$1. Fuchsias, 8 kinds, \$1. Paris daisies, \$1. Cuphea, 75c. Vinca var., 90c. Coleus, 10 kinds, 60c. Alternantheras, 3 kinds, 50c. Ageratum, 3 kinds, 60c. Swainsona alba, \$1. Dbl. petunias, 10 kinds, \$1. Byer Bros., Chambersburg, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About it



**ROSES.**

Roses, Crimson Rambler, 2-yr., own roots, \$2 per doz.; \$15 per 100; 2-yr., budded, \$2 per doz.; \$15 per 100; 3-yr., budded, \$3 per doz.; \$18 per 100; 4-in., \$10 per 100. Tausendschon, 2-yr., dormant, grafted, \$3.50 per doz.; \$25 per 100. Lady Gay, 2-yr., dormant, \$3 per doz.; \$20 per 100. Am. Beauty, budded, \$2 per doz.; \$15 per 100; Gen. Jack, Mrs. Laing, \$1.75 per doz.; \$14 per 100. Paul Neyron, \$2 per 100; \$15 per 100; John Kopper, Fisher Holmes, \$1.75 per doz.; \$14 per 100; Gen. Washington, Gruss an Teplitz, \$2 per doz.; \$15 per 100. Vaughan's Seed Store, Chicago and New York.

Roses, White Killarney, R. C., \$6.50 per 100; \$60 per 1,000; 2½-in., \$8.50 per 100; \$75 per 1,000. Pink Killarney, R. C., \$4 per 100; \$35 per 1,000; 2½-in., \$6 per 100; \$55 per 1,000; My Maryland, R. C., \$4 per 100; \$35 per 1,000; 2½-in., \$6 per 100; \$55 per 1,000. Richmond, 2½-in., \$5.50 per 100; \$50 per 1,000. Brides, 3½-in., \$5 per 100; \$45 per 1,000. Am. Beauties, R. C., \$4 per 100; \$35 per 1,000; 2½-in., \$7 per 100; \$65 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

**ROSE PLANTS, 2½-INCH POTS.**

|                 |     |      |
|-----------------|-----|------|
| American Beauty | 100 | 1000 |
| Kaiserin        | 5   | 45   |
| Mrs. Jardine    | 5   | 45   |
| Killarney       | 5   | 45   |
| Bride           | 3   | 25   |
| Bridesmaid      | 3   | 25   |
| Richmond        | 3   | 25   |

**WIETOR BROS.**

51 Wabash Avenue. Chicago.

Roses, 1,000 Helen Gould, 300 Pink Baby Ramblers, 500 Newport Fairy, 1,000 Dorothy Perkins, 12c, 2,000 Tausendschon, 20c. Sweetheart, Triier, Lady Gay, La Flamma, Debutante, Hiawathia, Taurus, 12c. The Dingee & Conard Co., West Grove, Pa.

Roses, grafted and own root, Killarney, Richmond, My Maryland, White Killarney, Kaiserin, Bride and Bridesmaid. W. H. Elliott, Brighton, Mass.

Roses, on own roots, budded, bedding, H. Ps., hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Taft rose, 2½-in., \$15 per 100. J. M. McCullough's Sons Co., 316 Walnut St., Cincinnati, O.

Beauty roses, 2½-in., \$5 per 100. Perle, 2½-in., \$3 per 100. J. F. Ammann, Edwardsville, Ill.

Roses, Bride, Maid, Golden Gate, 3-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

Roses, Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

Roses, 2-yr. bench Richmond, 7c. W. W. Coles, Kokomo, Ind.

Rose geraniums, strong, 2½-in., \$2.50 per 100. Chas. Frost, Kenilworth, N. J.

Roses, leading varieties. Leedle Floral Co., Springfield, Ohio.

Rose Dorothy Perkins. Ellwanger & Barry, Rochester, N. Y.

Roses, 3-in., Wood Bros., Fishkill, N. Y.

**SALVIAS.** Salvia, Zurich and Bonfire and Drooping Spikes, 2½-in., \$2.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Salvia, Clara Bedman and Burning Bush, 2½-in., \$2 per 100. John Stone, R. F. D. 3, Easton, Pa.

Salvia Bavaria (the white Zurich) 1910 introduction, 2-in., \$1 per doz. J. L. Schiller, Toledo, O.

**SEEDS.** HYBRID GERBERAS (Adnet's strain), Crop 1910, \$9 per 1,000 seeds; \$60 per 10,000 seeds, from the originator. Cash. Adnet, Antibes, France.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

ONION SETS. Choice, very sound, unsprouted sets, yellow, \$1.50; red, \$1.60 per bu. of 32 lbs. Sluis Seed Store, 644 W. 63rd St., Chicago.

Seeds, sweet peas, for varieties and prices, see advertisement elsewhere in this issue. Weeber & Don, 114 Chambers St., New York.

Seeds, onion, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Syster Bay, Wis.

Seeds, Phoenix Roebeleni. Sander, Bruges, Belgium.

Seeds, Phoenix Roebeleni. Sander, T. Mellstrom, Representative, 235 Broadway, New York.

Seeds, specialties: Stocks, pansies, cyclamens, etc. Pape & Bergemann, Quedlinburg, Germany.

Seeds, Cauliflower Danish Snowball, \$6.50 per lb. Cabbage Danish Ballhead, 50c per lb. Ditlev Eltzholtz & Co., Ringe, Denmark.

Seed, pansy, 1,000 seeds, 25c; 1 oz., \$2.25. H. Wrede, Luneburg, Germany.

Seeds, sweet peas, Christmas Pink and Denzer, \$2 lb. Chas. H. Totty, Madison, N. J.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, Landreth Seed Establishment, Bloomsdale Farms, Bristol, Pa.

Seeds, Vick's Quality, James Vick's Sons, Rochester, N. Y.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Vegetable seeds, plants, sold direct. Catalogue free. Glick Seed Farms, Lancaster, Pa.

Seeds, Bermuda onion. Federico C. Valera, Teneriffe, Canary Islands.

Seed, asters. Vick & Hill, Box 4613, Rochester, N. Y.

Seeds, garden, field and flower. S. D. Woodruff & Sons, 82-84 Dey St., New York.

**Contract Growers.**

Seeds, asters, balsam, cyclamen, phlox, Primula sinensis, portulaca, verberna, zinnia, pepper, tomato, etc. Hasslach, Villa Mimosa, St. Remy de Provence, France.

Seeds, peas, beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, field, garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, sweet peas. Anton Zvolanek, Boundbrook, N. J.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verberna. Waldo Rohner, Gilroy, Calif.

Seeds, Cauliflower and cabbage. Hjalmar Hartman & Co., 31 Barclay St., New York, and 12 Stormgade, Copenhagen.

Seeds, growers for the wholesale trade only. Braslan Seed Growers' Co., San Jose, Calif.

California seed contracts. Kimberlin Seed Co., Santa Clara, Calif.

**SMILAX.** Smilax, 2-in., \$1.25 per 100. Byer Bros., Chambersburg, Pa.

Smilax, 2½-in., \$3 per 100. West End Greenhouses, Lincoln, Ill.

Smilax. Wood Bros., Fishkill, N. Y.

**SPIREAS.** Spirea Japonica, 6-in., 25c each; \$2.50 per doz. Vaughan's Seed Store, Chicago and N. Y.

Spireas. J. Smits, Ltd., Naarden, Holland.

**STEVIA.** Stevia, R. C., prepaid, 75c per 100. Chas. Frost, Kenilworth, N. J.

**SWAINSONA.** Swainsona alba, 2-in., \$2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

**TRITOMAS.** Tritoma Pfitzeri, red hot poker plant, 6c each. Mosbaek Greenhouse Co., Onarga, Ill.

**VEGETABLE PLANTS.** Vegetable plants, beet, 20c per 100; \$1.25 per 1,000. Egg plant, 40c per 100; \$2 per 1,000. Pepper, Bull Nose, Sweet Mountain, Ruby King, 40c per 100; \$2 per 1,000. Tomato, small plants, Earliana, Early Jewel, Dwarf Stone, Champion, Ponderosa, Matchless, 30c per 100; \$2 per 1,000. Tomato, small plants, Stone, Paragon, Favorite, Success, 20c per 100; \$1 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Vegetable plants from seed bed, cabbage, cauliflower, celery, egg-plants, lettuce, peppers and tomatoes. Special prices in large quantities. Write if interested. Mosbaek Greenhouse Co., Onarga, Ill.

**VERBENAS.**

Verbenas, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lemon verberna, R. C., prepaid, 75c per 100. Chas. Frost, Kenilworth, N. J.

Verbenas. J. L. Dillon, Bloomsburg, Pa.

**VINCAS.** Vinca minor, the hardy vinca for cemetery planting and under trees, where grass will not grow; well rooted layers, \$1.50 per 100; \$10 per 1,000. E. Y. Teas, Centerville, Ind.

Vinca, 2½, 3 and 4-in., \$3, \$5 and \$7 per 100. West End Greenhouses, Lincoln, Ill.

Vinca variegata, 4-in., \$11 per 100. W. W. Coles, Kokomo, Ind.

Vinca variegated, 2½-in., \$2.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Vinca var., R. C., prepaid, 75c per 100. Chas. Frost, Kenilworth, N. J.

**VIOLETS.** VIOLETS, Baronne A. de Rothschild is making good everywhere, as the most free and most fragrant single in cultivation. Size and stem equal to Princess, color a shade darker. Rooted runners or divisions, ready in April. Book your order now, at \$6 per 100; \$50 per 1,000. F. W. Fletcher Co., Auburndale, Mass.

Violets, Princess of Wales, \$5 per 100. F. C. Riebe, Webster, Mass.

Violets. Wood Bros., Fishkill, N. Y.

**WISTARIA.** WISTARIA SINENSIS. Nice thrifty plants, \$2.50 per 100; \$20 per 1,000. Wagner Park Conservatories, Sidney, O.

**STOCK WANTED.** Wanted. Good 2½-in. Boston ferns. Will exchange bedding stock or perennials for same. Mosbaek Greenhouse Co., Onarga, Ill.

**KNIVES.** Razor steel, hand forged, postpaid. Propagating, 50c; budding, 35c; grafting, 25c; pruning, 75c. Cat. free. Maher & Grosch Co., 91 A St., Toledo, Ohio.

Flower Growers' Market, 60 Wabash Ave., Chicago.

**MISCELLANEOUS.** Plant bed cloth, waterproof sheeting, hay caps, etc. Henry Derby, 123 F. Chambers St., N. Y.

Revere garden hose. Revere Rubber Co., Boston, Mass.

Pillsbury's Carnation Staple, 50c per 1,000 postpaid. I. L. Pillsbury, Galesburg, Ill.

**PHOTOGRAPHS.** I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

**POTS, PANS, ETC.** The Red Pot. C. C. Pollworth Co., All roads connect with Milwaukee.

Pots, florist red. Peters & Reed Pottery Co., Zanesville, O.

Pots, Syracuse red. Syracuse Pottery Co., Syracuse, N. Y.

**STAKES.** Cane Stakes. Standard grade 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000. Pipe stems about 6 feet, per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

**WIRE DESIGNS.** Headquarters for wire work. Send for list. F. W. Ball, 31 E. 3rd St., Cincinnati, O.

Best. Cheapest. 150,000 designs always in stock. Quick delivery. Scranton Florist Supply Co., Scranton, Pa.

**WIRE HANGING BASKETS.** WIRE HANGING BASKETS.

10-in. \$1.25 per doz. 16-in. \$2.40 per doz. 12-in. 1.75 per doz. 18-in. 4.00 per doz. 14-in. 2.00 per doz.

Scranton Florist Supply Co., Scranton, Pa.

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WILL DESTROY

**RED SPIDER and THRIPS**

Also Green, Black and  
White Fly, Mealy Bug  
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Vine, Plant and Vegetable

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Vines,  
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all Flowering,  
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**PERFECT  
PLANT FOODS**

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## MISSION PLANT BOXES.



Are the best and cheapest plant  
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plants, boxwoods, bay trees,  
etc. They are attractive in de-  
sign, strong and durable. Suit-  
able for either outdoor or in-  
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PARK CONSERVATORIES,**  
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## Superior Crimped Invisible Carnation Staple

(PATENT APPLIED FOR.)

For repairing split carnations. 1000 for 50 cents  
Postpaid.

**L. J. WAITE, 293 Main St., Springfield, Mass**

# Ammoniated Lawn Lime

**Kills Weeds.**

**Makes Grass Grow.**

Applied as a light top dressing to lawns it kills all flat leaved weeds such  
as **Dandelion, Daisy, Plantain, Sorrel, Chickweed, Moss, etc.,** in 48 hours  
and without other fertilizer produces a wonderful, luxuriant, rich, green growth  
of lawn grass—which is distinctly noticeable 50 feet away.

The use of Ammoniated Lawn Lime supersedes hand weeding of lawns,  
putting greens, etc. It saves the grass from being pulled up and in many  
cases ruined. Grasses take a new vigorous growth, avoiding probable  
trouble in the future.

**Quantities:** If very weedy 1-lb. to 40 square feet, 25-lbs to 1000  
square feet, (20x50). Half to one-quarter amount  
if moderately weedy.

**ABSOLUTELY GUARANTEED.** Money refunded if not satisfactory.

We want **Seedsmen or Florists** as agents and distributors in  
every important city and town.

**Retail Prices:** 2-lb. cans, 25c, 50 cans per case. 5-lb. cans 50c,  
20 cans per case. Bags, 25-lbs. \$2.00; 50-lbs.  
\$3.50; 100-lbs. \$6.00; 1000-lbs. and over 5c per lb.

Descriptive Circular and Wholesale Prices on Request.

## SUPERIOR CHEMICAL CO.,

(Incorporated.)

**Louisville,**

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## The "Meyer Green Silkline"



is the only Green Thread that  
should be used by florists and  
growers. It is guaranteed full  
weight and full measure.

Also **Violet Thread** for tying up Vio-  
lets. Price of both, \$1.25 per lb.  
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**JOHN C. MEYER & CO., 1449 Middlesex St., Lowell, Mass.**

## Evergreen Brand Flower Fertilizer.

A Pure Plant Food immediately available. It permanently enriches the  
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12 pound cans, Price, \$2.00 each.

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**D. D. JOHNSON CO., Manufacturers,**  
64-66 Wabash Ave., **CHICAGO.**

## The Mastin Automatic Whitewash and Spraying Machine Is Reliable, Practical and Durable



The tank is made of galvanized sheet steel, and in brass.  
The pump is of brass throughout, simple and powerful.  
The mixing device keeps the contents of the tank well stirred up from  
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When the machine is filled to within six inches of the top, a few strokes  
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All parts are made to gauge and may be had for repairs.

Ask your dealer about our **Extension Hose, Extension Rods,**

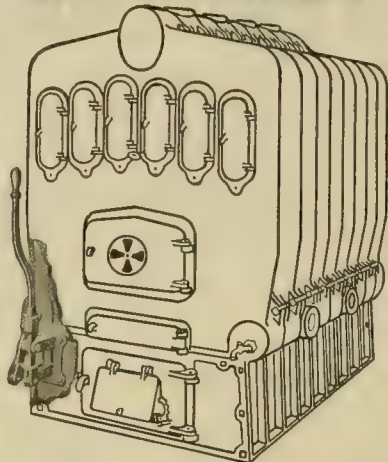
and the **Mastin Whitewash Nozzle** for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

**J. G. MASTIN & CO., 3124 West Lake St., CHICAGO, ILL.**



## The Burnham



Grates shake easy—shaker arm is a powerful lever—grates smash the clinkers and do not jam—no bolts or grate connections to burn off.

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### Hot Water Boilers

ARE THE MOST ECONOMICAL

Boiler for Greenhouses

No Night Fireman Required  
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**SELF-FEEDING HOT WATER BOILERS.**

Send for Catalog and Prices.

**S. WILKS MFG. CO.,**

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### Fruits Ripened by Chemicals.

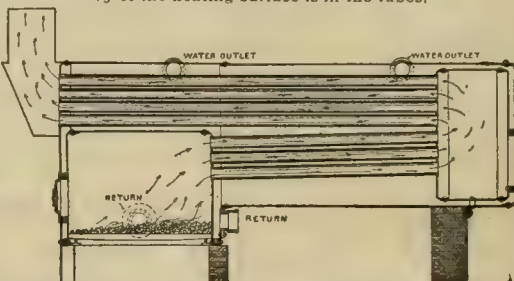
The ripening of fruits is essentially a chemical process. Everyone is familiar with the fact that even the sweetest fruits may be sour or astringent until they are nearly ripe. When they are full grown, or "full" as the grower often expresses it, a gradual change occurs. The tannin, starches and other constituents of the fruits are slowly turned to sugars by a process akin to digestion in animals if, indeed, it is not exactly like it. This being the case, says the American Botanist, many experiments have been undertaken to advance or retard the ripening process. In fruits, such as the banana, that have to go a long way to market, they are usually picked before they are ripe, and, since they will carry best in the green condition, no effort is made to hurry their ripening. On the contrary the ripening process is retarded. At the end of their journey, however, it is often desirable to ripen them at once. This is accomplished in some fruits by exposure to the sunshine, or by heating. A writer in Science mentions a new and very successful method which consists in exposing the green fruits to the fumes of various chemicals. Benzoic and salicylic acids produce results at once, but the most potent agent thus far found is acetic acid. By exposing green dates to the fumes of this acid for 12 hours, the experimenter was able to ripen them in three days. Since the ripe fruit of the date deteriorates

## The Superior Standard

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contains more heating surface, and less water space than any other steel boiler.  
 $\frac{2}{3}$  of the heating surface is in the tubes.

Ask the man that knows the one using different style boilers—names are yours for the asking.



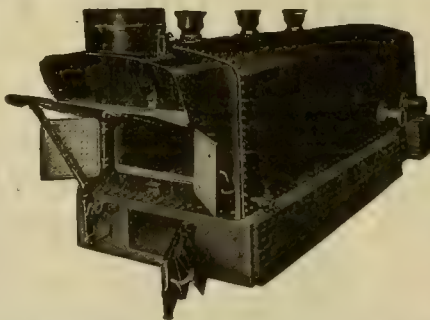
After using our boiler one season, you will say like all others: Nothing but "Superior" for me.

This boiler has given better satisfaction than any other boiler on the market

MADE IN NINE (9) SIZES FOR HOT WATER.

Send for catalogue and list of growers that are using this boiler.

**THE SUPERIOR MACHINE & BOILER WORKS, 840 -850 Superior St., Chicago.**



## SEE HOW WELL THEY LIKE ME

150 New Establishments with 2,158,000 square feet of glass have installed this boiler in 1906.

Ask for list of users and get acquainted with the men who know.

Catalogue and prices on application.

**KROESCHELL BROS. CO.,**

452 W. Erie St.  
CHICAGO.

Use our patent  
Iron Bench  
Fittings and  
Roof Supports.

## THE JENNINGS IMPROVED IRON GUTTER.

### IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

**DILLER, CASKEY & KEEN,**

8. W. Corner Sixth and Berk Streets

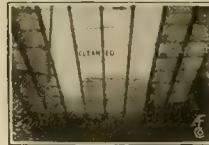
PHILADELPHIA.

VENTILATING  
APPARATUS.

## DAYLITE

### Glass Cleaner

Will not injure paint or putty



**ANDERSEN SPECIALTY CO.,**

4648 Calumet Ave.,

## Quick, == Powerful.

Leaves no Greasy Surface.

Per gal.  
25 to 50 gallons.....\$0 70  
5 to 25 gallons.....80  
Less.....1 00

Phone  
Oakland 845.

CHICAGO.

very rapidly it cannot be sent to market in the fresh state, but the new process will allow it to be sent green and ripened at the end of the journey. The process is probably applicable to many of the perishable fruits of the tropics.

GRADYVILLE, PA.—Howard Kellar of Falls of Schuylkill, Philadelphia, has purchased the Jesse R. Baker farm here and will engage in raising truck and flowers for the local and city markets. Mr. Kellar is a former resident of Glen Mills, but for three years past has been engaged in gardening at Falls of Schuylkill. He expects to erect several greenhouses on his new property during the coming season.

## Steel Return Tubular Boilers

The Most Economical Type of Boiler for Greenhouse Heating. Highly recommended by well-known florists.

**JOHNSTON HEATING CO., 138 E. 31st St., NEW YORK.**

Mention the American Florist when writing

—KEEP A—

## Holly Standard Circulator

busy and watch results.

**SUB-TARGET GUN COMPANY**

Steam Engineering Department.

216 High Street

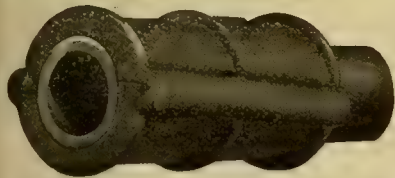
BOSTON, MASS.



# Why Not?

repair your split or leaky pipes with

## Ideal Pipe Clamps



Manufactured by

**WM. MOLL,**

1664 Columbus Rd.,

CLEVELAND, O.

**Holds Glass  
Firmly**

See the Point at

**PEERLESS**

Glazing Points are the best.  
No rights or lefts. Box of  
1,000 points 75 cts. postpaid.

**HENRY A. DREER,**

714 Chestnut St., Phila., Pa.

**FULL SIZE  
No. 2**



**SIEBERT'S ZINC**

**Never Rust**

**GLAZING POINTS**

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes  $\frac{1}{4}$  and  $\frac{1}{2}$ . 40c per lb., by mail 16c extra; 7 lbs. for \$2.50 15 lbs. for \$5.00, by express. For sale by the trade.

**RANDOLPH & McCLEMENTS, Successors to  
Chas. T. Siebert, Baum & Beatty Sts., Pittsburgh.**

Grand Rapids, Mich.

There is no question that the Easter just passed was one of the most remarkable on record. First, it has been so unseasonably warm and dry, and certainly it was a good thing that Easter came so early, as lilies could not have been held back much longer. As it was, thousands just simply would not stand up, but drooped and withered with the excessive heat. It made deliveries much easier than other years as no wrapping was necessary. It has been the most successful Easter ever known here from every point of view, and a complete financial success. The warm weather made everyone think of flowers and they bought. A few more lilies could have been sold if they were to be had, but with this exception there was enough to fill all orders. Bulb stock sold well, and bulbs in pans went fast. Plants sold much better than in other years. Taking Easter as a whole the volume of business was at least one-fourth larger than that of last year. Reports are in from Henry Smith, Eli Cross, Alfred Hanna & Sons, Grand Rapids Greenhouse Co., Wm. Cunningham, Crabb & Hunter, J. Schols, Wealthy Avenue Floral Co., Crescent Avenue Floral Co., and H. Danhoff. All say they are very well satisfied. B. S.

CINCINNATI, O.—The Bloomhurst Floral Co. has bought the grounds made famous by W. K. Partridge, at Lockland. Some months ago, following an assignment made by the latter, who was ruined through a mail-storm wrecking his greenhouses, the property was bought by John Mueller, of Lockland. The latter has transferred his interest to the floral com-

# Attention!! Glass Buyers!!

## GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.

Quality A. No. 1. Prompt shipments.

## Hooker's Greenhouse White Paint

The most durable white paint for this purpose.

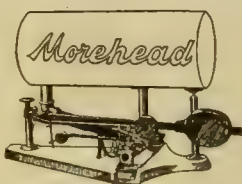
Half barrels, (25 gallons), per gal. \$1.35. 5 gal. pails, per gal. \$1.40

## H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone  
Monroe 4994.

651-659 Washington Boulevard, CHICAGO.



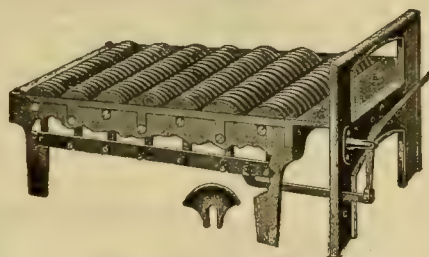
## Morehead Steam Traps

The Morehead Return Steam Trap is specially designed and constructed for greenhouse steam heating plants. It fills the dual capacity of steam trap and feed water pump. It will create conditions enabling the florist to grow better flowers; save on fuel, water and labor bills, and derive general all around satisfaction from the installation.

Send for "Florist Trap Book."

**MOREHEAD M'F'G. CO.,** Dept. N, Detroit, Mich.

## The Grate Does It!



Saves 10 to 25% of the coal your boiler is using.

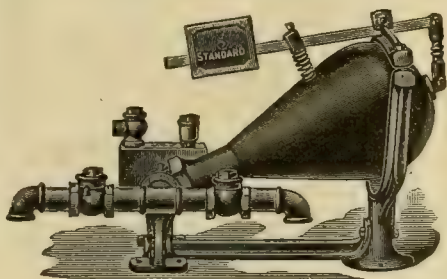
Positive guarantee given

Send for circular "N" and our famous Lecture on Combustion.

**U. S. ROCKING GRATE BAR CO.,**

77 Jackson Boulevard,

CHICAGO.



## The Standard Steam Trap

Has established a record far above that of any other trap for florists; being very simple, durable and easily taken care of.

Catalogues of the Trap, Duplex Gutter, and Standard Ventilating Machinery, mailed free upon application.

**E. HIPPARD, Youngstown, O**

pany for \$7,500. The corporation was recently incorporated at Columbus. The realty consists of 13 lots on Farrer and Ruffner avenues.

ELDORA, IA.—The J. S. Pollard Floral Co. will erect a number of greenhouses shortly.

## Plant Bed Cloth

For Florists Gardeners. Truck Farmers. etc. Protects from frost. Best shade in summer. Sold by leading seedsmen.

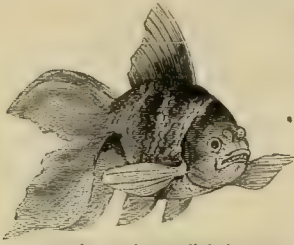
Waterproof Sheeting, Hay Caps, Etc.

**HENRY DERBY, 123 F. Chambers St., New York.**



## 100 Live Goldfish Free.

The majority of people who never handled Goldfish have the mistaken idea that Goldfish die very rapidly and are a great care. Handle fish as we instruct and you will not lose two out of a hundred and they will be but little care. There is nothing that you can put in your window that will attract more attention than Goldfish.



All kinds of Goldfish for sale.

Imported and American Goldfish, from \$2.00 up per 100.

Send for Catalogue.

## Special Offer---Here is a Profit for You.

INVEST \$16.00

IN OUR COMBINATION NO. 10, AND

REALIZE \$30.65

— CONTAINS THE FOLLOWING —

12 10c Globes, 1 pint  
12 25c Globes, ½-gal.  
6 50c Globes, 1-gal.  
1 box Pebbles, 10c

1 \$1.00 Globe, 2 gal.  
1 \$1.25 Globe, 2½ gal.  
6 Castles, \$1.50  
3 Small Castles, 45c

100 10c Fish  
25 15c Fish  
6 10c bunches Moss  
48 10c boxes Fish Food

Free with each outfit:

100 Fish to sell or give away. 250 circulars. One dip net. One book "How to Breed and Care for Goldfish."

We Manufacture Window Aquariums.



The Auburndale Goldfish Company, New No. 920 W. Randolph St., Chicago, Ill.

Superior Quality.

Hand Made.

## Greenhouse Glass

Why not buy the best. Write us for discounts.

We can save money for you.

BAUR WINDOW GLASS CO.

Eaton, Indiana.

Gorham & Chapline  
Printery Inc. CATALOGUES  
PRICE LISTS.

HALFTONES, ENGRAVINGS and  
PRINTING FOR FLORISTS.

358 Dearborn Street, CHICAGO.

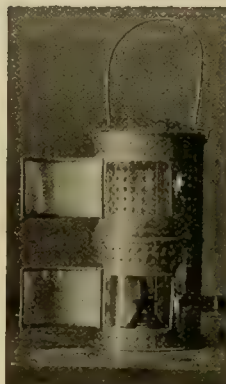
### The Dangerous House Fly.

The following circular has been sent out by the Merchants' Association's committee on pollution of the waters of New York:

Flies are the most dangerous insects we have. They are much more dangerous than bees or hornets; these may sting you, and the sting is painful, but you soon get over the pain. Flies do much more harm than this. They walk over filthy places like sewers and garbage cans, and after eating the filthy food which they find there, they come into your house and walk on the food you eat, carrying on their feet the tiny germs which live in filth just as you live in a house. These germs are not only filthy and disgusting, but many of them cause such diseases as typhoid fever, Cholera infantum and summer complaint. When the flies bring them from some dirty place to your food or leave some of them when they crawl on your face or hands, you may swallow these germs without knowing it and be taken ill with one of these diseases. So the fly that seems so harmless may do you much more harm than a bee or a hornet.

Your parents should place screens at their doors and windows during the warm weather, to keep the flies out of the house. If they cannot screen all the rooms, they should screen those in which food is kept; and if anyone is sick in the house, flies should be kept from the sick-room, so that they may not carry germs from the sick person to the rest of the family.

Children may help to keep flies from swarming in and around houses, and from carrying germs of sickness from one person to another. In the first place, they should not buy candy, fruit or other food which is left in front of stores or anywhere else where flies may feed and walk on it. Flies lay their eggs chiefly in stable manure, and if this is left without screens or other covers to keep he flies away, great numbers will be hatched in every stable. If you know of stores where food is not covered from flies, or of stables that have swarms of them around, get your father or mother to write to the board of health about them, and the board will make the store-keepers or stablemen obey its rules. But before you report other people for being careless and dirty and so making it possible for flies to become a nuisance, be sure that your own house is clean and that no garbage cans or boxes are left uncovered to attract flies.



This  
Kills  
Mildew  
Every Time.

For particulars write

BENJAMIN  
DORRANCE,  
Rose Grower's,  
Dorrancton,  
Penna.



**MASTICA** is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass, as occurs with putty. **LASTS LONGER THAN PUTTY.** Easy to apply.

green Flies and  
Black ones too

are easy to kill with  
The fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE H. A. STOOFF CO., MOUNT VERNON, N. Y.

### Rules for Dealing With the Fly Nuisance.

Keep the flies away from the sick, especially those ill with contagious diseases. Kill every fly that strays into the sick room. His body is covered with disease germs.

Do not allow decaying material of any sort to accumulate on or near your premises.

All refuse which tends in any way to fermentation, such as bedding, straw, paper waste and vegetable matter should be disposed of or covered with lime or kerosene oil.

Screen all food.

Keep all receptacles for garbage carefully covered and the cans cleaned or sprinkled with oil or lime.

Keep all stable manure in vault or pit, screened or sprinkled with lime, oil or other cheap preparation.

## Iron Reservoir Vases

AND

Lawn Settees

Manufactured by  
McDONALD

BROS.,  
COLUMBUS, O.

The largest manufacturers of these goods in America  
Send for catalogue



## Garman's Antipest

INSECTICIDE AND FUNGICIDE

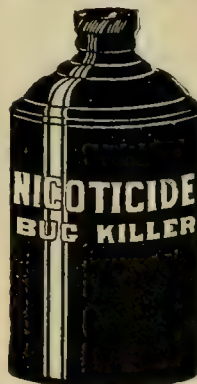
For the Garden, Orchard and Greenhouse

Non-poisonous and harmless to vegetation.

Kills Green Fly, Aphides, Bark Lice, Thrips Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the grower's Friend. Handy to use, cheap and effective, mix & readily in water. Destroys all insect pests and keeps down filth. Circulars on application. \$1.50 per gallon. Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,  
FLUSHING, N. Y.



THE BEST  
Bug Killer and  
Bloom Saver

For PROOF  
Write to

P. R. PALETNORPE  
COMPANY,

Owensboro, Ky

Cover food after a meal; burn or bury all table refuse.

Screen all food exposed for sale. Screen all windows and doors, especially the kitchen and dining room.

Don't forget, if you see flies, their breeding place is in nearby filth. It may be behind the door, under the table or in the cuspidor.

If there is no dirt and filth there will be no flies.

If there is a nuisance in the neighborhood write at once to the health department.



# FOR "POT LUCK" TRY US..

## HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLDS LARGEST MANUFACTURERS

WRITE FOR CATALOG AND DISCOUNTS.

A. H. HEWS & CO.

Established 1765.  
CAMBRIDGE, MASS.

452-460 No. Branch St.,  
CHICAGO ILL.

Pearson Street,  
LONG ISLAND CITY, N.Y.

### THE ART OF

## Floral... Arrangement.

The first special newspaper in  
the world for floral arrangement.

400 Partially Colored Illustrations Annually.  
Specimen number free.  
Subscription, \$2.90 yearly.

**BINDEKUNST-VERLAG,**  
J. Olbertz, ERFURT, GERMANY.

### Now is the Time

To Subscribe to the

## Horticultural Trade Journal

Published weekly. The Largest  
Brightest and Best British Trade  
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Published quarterly. Annual sub-  
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numbers, One Dollar. (Interna-  
tional money order). Subscribe  
today and keep in touch with  
European markets and topics.

The Horticultural Printing Company,  
BURNLEY, ENGLAND.

## Florists' Refrigerators

Write us for catalog and prices, stating  
size you require, and for what kind of cut  
flowers you wish to use the refrigerator;  
also state whether you wish it for display  
or only for storage.

**McCray Refrigerator Co**

960 Mill Street, KENDALLVILLE, IND  
Mention the American Florist when writing



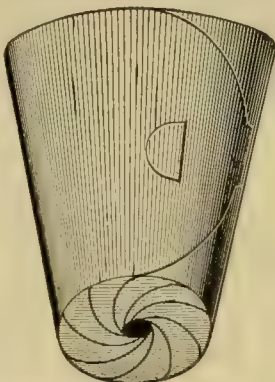
Mention the American Florist when writing

## Kramer's Pot Hangers

For sale by Wholesale Seedsmen, Florists  
and Supply Dealers.

Price, \$1.00 per dozen by express. Sample  
dozen by mail, \$1.25.

I. N. KRAMER & SON, Cedar Rapids, Iowa



## NEPONSET PAPER POTS.

HEADQUARTERS

VAUGHAN'S SEED STORE,  
Cost Little. Chicago and New York.

Waterproof,  
Don't Break,  
Cost Little.



Mention the American Florist when writing

## Those Red Pots

"STANDARDS"

Full size and wide bottoms.

BULB PANS and AZALEA POTS

DETROIT FLOWER POT M'Y  
HARRY BALSLEY, Detroit, Mich.  
Rep. 490 Howard St.



## Standard Flower Pots

Porosity and Strength  
Unsurpassed.

Write for prices.

A. F. KOHR

2934-36-38 Leavitt St., CHICAGO

BROOKLYN, N. Y.—Benjamin Kim-  
ball, a retired florist, died March 21  
of general debility at his home, 151  
Sterling place. He was born in Can-  
ada 96 years ago and is survived by a  
son and three daughters.

## Standard Flower Pots!

Packed in small crates, easy to handle

| Price per crate              | Price per crate             |
|------------------------------|-----------------------------|
| 1500 2-in., in crate, \$4.88 | 144 6-in., in crate, \$3.16 |
| 1500 2½ " " 5.25             | 120 7 " " 4.20              |
| 1500 2½ " " 6.00             | 60 8 " " 3.00               |
| 1000 3 " " 5.00              | HAND MADE                   |
| 800 3½ " " 5.80              | 48 9-in., in crate, \$3.60  |
| 500 4 " " 4.50               | 48 10 " " 4.80              |
| 456 4½ " " 5.24              | 24 11 " " 3.60              |
| 320 5 " " 4.51               | 24 12 " " 4.80              |
| 210 5½ " " 3.78              | 12 14 " " 4.80              |
|                              | 6 16 " " 4.50               |

Seed pans, same price as pots. Send for price  
list of Cylinders for Cut Flowers, Hanging  
Baskets, Lawn Vases, etc. Ten per cent off for  
cash with order. Address

HILFINGER BROS. POTTERY: Fort Edward, N.Y.  
or AUGUST ROLKER & SONS, New York Agents  
31 Barclay Street, New York City.

Mention the American Florist when writing

## All The Clay

FOR OUR

## Florists' Red Pots

Is prepared by passing through a screen  
1600 meshes to the square inch. If in a  
hurry for pots order from us. We ship  
over five lines of railroad by river or  
interurban. Write for catalogue showing  
all the articles we make for florists' use.

THE PETERS & REED POTTERY CO.

ZANESVILLE, OHIO.



GEO. KELLER & SON,  
Manufacturers of

## Red Pots

Before buying write for prices.  
2614-2622 Herndon St.,  
CHICAGO.

Always mention The American Florist  
when you order stock.



## The Allied Trades

Descriptive particulars—with drawings or photographs, if possible—of any new apparatus or device which may prove helpful to the trade are solicited for this department.

THE Auburndale Goldfish Co., Chicago, reports an excellent season in its line with the demand still good. Florists who carry goldfish, and the number is increasing steadily, say this is quite a satisfactory side line and one which fits into their general business admirably.

### No Nitrogen Famine Imminent.

In a recent letter to the Boston Transcript, W. H. Bowker refers to the nitrogen supply as follows:

"Do not get alarmed over the nitrogen supply. No 'nitrogen famine' is imminent, and none in my judgment, possible; it is unthinkable, for without nitrogen the world would starve—and the world is not going to starve this year, or 50 years hence, notwithstanding Sir William Crookes' prediction.

"Since Sir William Crookes wrote his book on 'The Wheat Problem,' some 10 years ago, there have been great strides made in the utilization of nitrogen from by and waste products, and also some recent discoveries touching the utilization of atmospheric nitrogen, which bid fair to be commercial successes; in fact, the fertilizer industry is now using a product known as 'lime nitrogen,' which is obtained from the atmosphere. They are also manufacturing on a commercial scale nitric acid from the air, in Norway, which is done there successfully and which can be done successfully wherever there is cheap and abundant electric power.

"Within a week, an optimist of the type of Colonel Sellers called at my office and showed me samples of nitrate of soda and nitrate of potash which he said were made from the nitrogen of Boston. They were the goods all right. I told him that if his process was commercially feasible and comparatively inexpensive, there were millions in it, and we would erect a monument to him on Boston Common. He is working for the millions, and will no doubt be pleased to have the monument thrown in; but if he does not succeed, some one else will.

"In addition to these new discoveries, great strides have been made in bacteria culture, which will insure the growth of clover and other nitrogen-gathering crops.

"I sincerely believe that even if we do not succeed in tapping the great reservoir of nitrogen in the air there will be no nitrogen famine, because of the organic and mineral sources still available, more especially, the nitrogen which is contained in coal and which is now being rapidly saved as a by-product in gas and coke works. There are coals which are known to contain as much as 30 pounds of nitrogen to the ton, and if it could all be saved, they would be worth more for nitrogen than as fuel."

STANFORD, N. Y.—Willard Heermans has purchased the violet house owned by Wesley Pink and took possession April 1.

PROVIDENCE, R. I.—The park commissioners ask for an appropriation for greenhouses in their annual report, saying that much money would be saved by raising their own bedding and other stock.

## Curved Eave

You see what a fine piece of construction this Curved Eave of ours is.

The roof bars are small, and the curved part is cut from the solid wood with metal backing extending to the sill.

The rafters are so narrow and neatly framed in, that you scarcely notice them.

The glass is 24 inches wide; the sill and gutter are combined in one.

It has proven such a success that most of our private orders are being built this way.

Send for our special Curved Eave circular.

## Hitchings & Co.

ELIZABETH, N. J.  
New York—1170 Broadway.

## HOT BED SASH

### Louisiana Red Cypress Hot Bed Sash

20,000 Glazed Hot Bed Sash, painted, 3x6 ft., 1st quality soft Pine .....Each \$ 1.50  
40,000 Glazed "Louisiana Red Cypress" sash, 3x6 ft., best quality.....Each 1.65  
Complete Hot Bed Outfits, including subframe, top frame and sash,  
6x6 ft., 34-in. deep.....Each 7.98

### BOILERS! BOILERS!

|                            |                             |                             |
|----------------------------|-----------------------------|-----------------------------|
| 5 - 72x20 Tubular Boilers. | 2 - 54x14 Tubular Boilers.  | 2 - 42x10 Fire Box Boilers. |
| 2 - 72x18 Tubular Boilers. | 3 - 42x12 Tubular Boilers.  | 1 - 36x12 Fire Box Boiler.  |
| 6 - 60x16 Tubular Boilers. | 2 - 36x10 Tubular Boilers.  | 1 - 36x10 Fire Box Boiler.  |
| 1 - 60x14 Tubular Boiler.  | 2 - 48x14 Fire Box Boilers. | 2 - 30x 8 Fire Box Boilers. |
| 2 - 54x16 Tubular Boilers. | 3 - 48x12 Fire Box Boilers. |                             |

All of the above in good condition, for heating service only.

### Large Stock of Standard Pipe, all sizes, will be cut to any length.

All kinds of "Building Material," "Structural Iron," "Sole Pipe," "Hose," etc., at a saving to you of at least one-third.

Send for our new 500-page Catalog No. 47. Free upon request.

CHICAGO HOUSE WRECKING CO.,

35th and Iron Sts., Chicago.

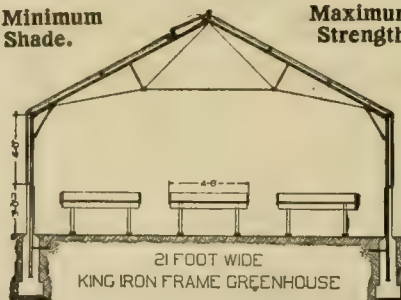
## Now Is The Time

Minimum  
Shade.

Maximum  
Strength.

### King Iron Frame.

"ASK THE MAN WHO HAS ONE"



Less Expensive to Erect Than Wood.

King Construction Co., North Tonawanda, N. Y.

Cochrane & McKay, Chicago, Ill., two 21 ft. by 141 ft.  
H. E. Asplin, Rocky River, O., 54 ft. by 175 ft.  
Wm. Kriegler, Lansing, Mich., 28 ft. by 100 ft.  
C. F. Maler, Denver, Colo., two 21 ft. by 100 ft.  
F. Tegerler, Denver, Colo., 25 ft. by 125 ft.  
C. Brehmer, Chillicothe, O., 42 ft. by 175 ft.  
F. Witthuhn, Cleveland, O., 30 ft. by 66 ft.  
F. F. Crump, Colorado Springs, Colo., 21 ft. by 150 ft.  
F. Holberg, Denver, Colo., three 25 ft. by 125 ft.  
Walla Walla Floral Co., Walla Walla, Wash., two 32 ft. by 100 ft.

## The Regan Printing House

LARGE RUNS OF

## CATALOGUES

OUR SPECIALTY

WRITE FOR FIGURES.

91 Plymouth Place, CHICAGO

## Wired Toothpicks

10,000, \$1.75; 50,000, \$7.50. Manufactured by  
W. J. COWEE, BERLIN, N. Y.  
Sample free. For sale by dealers.



# THE AMERICAN FLORIST



*America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."*

Vol. XXXIV. CHICAGO AND NEW YORK, APRIL 9, 1910. No. 1140

## THE AMERICAN FLORIST

TWENTY-FIFTH YEAR.  
Copyright, 1910, by American Florist Company.  
Entered as Second-Class Matter Nov. 11, 1891,  
at the Post Office at Chicago, Illinois,  
under act of March 3, 1879.  
PUBLISHED EVERY SATURDAY BY  
**AMERICAN FLORIST COMPANY,**  
324 Dearborn St., Chicago,  
Long Distance Phone: Harrison 7465.  
Eastern Office: 1133 Broadway, New York.  
Philadelphia, Pa.: Robt. Kift, 1725 Chestnut St.  
Registered Cable Address: Ameflo, Chicago.  
Subscription, United States and Mexico, \$1.00 a  
year; Canada, \$2.00; Europe and Countries  
in Postal Union, \$2.50. Subscriptions  
accepted only from the trade. Vol-  
umes half yearly from August, 1901.  
Address all correspondence, subscriptions, etc.,  
American Florist Co., 324 Dearborn St., Chicago.

**SOCIETY OF AMERICAN FLORISTS AND  
ORNAMENTAL HORTICULTURISTS.**  
OFFICERS—F. R. PIERSON, Tarrytown, N. Y.,  
Pres.; FRED W. VICK, Rochester, N. Y., Vice-  
Pres.; H. B. DORNER, Urbana, Ill., Sec'y;  
WM. F. KASTING, Buffalo, N. Y., Treas. Next  
meeting at Rochester, N. Y., August, 1910.  
Second National Flower Show, Boston, Mass.,  
March, 1911.

**THE AMERICAN CARNATION SOCIETY.**  
Next annual convention and exhibition at  
Boston, Mass., March 1911. FRED. BURKI,  
Pittsburg, Pa., President; A. F. J. BAUR, Thirty-  
eighth St. and Senate Ave., Indianapolis, Ind.,  
Secretary.

**AMERICAN ROSE SOCIETY.**  
Next annual meeting and exhibition at Bos-  
ton, March 1911. WM. H. ELLIOTT, Brighton,  
Mass., President; A. FARENWALD, Roslyn, Pa.,  
Vice President; BENJAMIN HAMMOND, Fishkill-  
on-Hudson, N. Y., Secretary.

**AMERICAN PEONY SOCIETY.**  
Seventh annual meeting at Horticultural Hall,  
Boston, Mass., June 1910. B. H. FARR, Reading,  
Pa., Pres.; A. H. FEWKES, Newton Highlands,  
Mass., Sec'y.

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Ready Reference  
Department.  
See Page 559.**

## HALF HOUR CHAPTERS FOR FLOWER GROWERS

### Forget-Me-Nots.

The increasing heat and sunlight are not favorable to the health of forget-me-nots in the greenhouses, and where there are plants in frames or in protectors the indoor plants can probably be dispensed with pretty soon. If taken out now they can be used for propagating, but if left until mildew sets in then the growth is useless for the purpose. Many growers raise their plants from seed annually, but where a good strain has been developed by selection it is best to propagate by division, and early propagated stock stands a better chance of coming through the summer safely than late. It is early yet, of course, but towards the end of the month this stock may just as well be cleaned out and divided as not. The soil should be stirred around the frame plants and full air kept on, as the myosotis is practically a hardy plant and will not stand coddling.

### Flowers for Decoration Day.

There is every probability that flowers will be plentiful and cheap from now until Decoration day, and wherever it is possible stock should be held well in hand. With regard to roses, cut heavily for Easter, there would be time for a short rest and another start, but as a rule, at this time of the year there is no regular crop, the plants being in full growth, and there are flowers more or less all over the plants in various stages. The best thing to do is to run the houses as cool as possible, with ample air to harden up the growth and then, unless the weather proves unusually hot, the flowers will, at any rate, be of good quality. Carnations are bound to suffer more or less from the heat from now on, but the treatment as advised for roses is the best to follow. In the matter of inside bulbous flowers these will be all over, but there will probably be plenty of outdoor stock in some localities. A length of shading run over the beds will be of great advantage in keeping the color in the flowers. Ten-weeks stocks are popu-

lar flowers at Decoration day, and if good plants have been raised from seed and pricked out in flats or benches, these should be ready for planting on the benches in which they are to flower, and will come in on time. Stocks are easily grown in a cool house, but overwatering at the root must be avoided, also heavy syringing. Wallflowers should be treated similarly to the stocks, as these, too, dislike heat and moisture and do best in a house kept quite cool and with plenty of air on.

### Peonies.

Although where fall planting was neglected, peonies may be planted in spring with fair prospects of success, the plants do not get so good a hold the first year and the process cannot be termed satisfactory. When plants were bedded out in cold frames for the winter or potted and held over, then growers have a fair chance of success, for the plants will have made a certain amount of root and, if carefully looked after with regard to mulching in summer, they will grow well and flower a little. But one feels sorry for the peony roots offered by some seed stores. They are exposed in the store, or outside, during the day to rain and wind, which greatly reduces the amount of vigor in the tubers and consequently their chances of success. Wherever peony planting is to be carried out, the one important point is to have the soil in good order. It must be deeply worked and plenty of manure worked into the lower layers, for, in all probability, the plants will be a long time in the ground and must have a good, rich root run. A number of plants set out last fall and covered with a mulch of about three inches of straw litter are now pushing up strongly. We shall not disturb the mulch, as a considerable portion of it has decayed, while the remainder will act as a slight protection to the stems should cold winds occur during the present month, while if taken away it would expose parts unused to it to the cold and possibly damage them. During the time that frosts at night



are to be expected, hoeing, if done at all, should be carried on early in the day so the surface dries up by night-fall. Otherwise the damp soil turned up is likely to freeze and carry the frost to the stems.

#### Pansies.

The flowering pansies in frames must now be well ventilated in order to keep them hard, and the flowers will be better in color and substance now than they have been. If they show a disposition to throw smaller flowers and are weak in growth, give a top-dressing of rich soil or stir in a little good Peruvian guano or other fertilizer. Over-feeding is bad for pansies; it makes the flowers poor in substance and causes too free a growth, but a little given at the right time is a great help to keeping them going. Plants that have been wintered in protectors covered with litter have come through remarkably well. We have removed nearly all the protective material and it will all be taken away this week, the surface soil stirred and a little fertilizer applied. Where there is a demand for cut pansies all the year around, seed can be sown every few weeks, and sowings made now will come in for planting out in May in a cool position to provide flowers during summer. Pansies will not thrive in the full sun, nor do they relish the immediate vicinity of tree roots, but in a fairly open position where shade is cast from a distance they will do well.

#### Delphiniums.

When one speaks or hears of delphiniums they always think directly of the blue varieties. It is true there are others, but nothing that we know of in this genus can compare with the bright blues that are so plentiful and they are certainly the best for cutting.

When seed is saved carefully it comes fairly true to color; at any rate the varieties raised from seed will be good for cutting and there is no more beautiful herbaceous plant in existence for a display in the garden. If plants were raised from seed, as we have frequently advised in this column, they will be fit for planting out now and the sooner they are got out the better. Let them be planted in good, rich soil and they will grow away and flower practically all the summer long. Even when the principal flowers are over the smaller side branches are elegant in the extreme and fine for vase or table work. When grown simply for cutting beds about five or six feet wide should be laid out with paths between for convenience in cutting. In the herbaceous border proper for display they are best grouped well back. In any case plenty of good rich soil, watering until the plants have got a good hold and feeding liberally afterwards are the most important cultural details needed to secure good flowers.

JOHNSON CITY, PA.—A fire occurred at the Johnson City Floral Co.'s place March 19 but little damage was done.

SIoux FALLS, S. D.—Regular customers, according to M. M. Strong, are becoming very particular as to quality in cut flowers, and he finds it more and more difficult to dispose of imported stock, while in former years large quantities were sold. The Easter business this year shows an increase of about 15 per cent over last year with prices about the same. There were plenty of plants, but the supply of cut flowers was short. Azalea and rose plants had little sale. Bulbs in pans and ferns were very popular. All cut flowers sold out clean.

## THE RETAIL TRADE

### An Easter Window.

The accompanying illustration shows the Easter window put up by the Idle-Hour Nurseries, Macon, Ga. The background was of white cheese cloth and a colored curtain for the stained window in center. The altar was made of wood and covered with lavender cheese cloth with a small cross in center. On the altar an electric cross made out of wood and enameled white stood; on either side of the cross were candelabra of brass, and a ribbon stretched across with the words in gold letters, "Easter Greetings." The cross stood 3 feet 6 inches high and 28 inches wide. The altar steps were covered with white cheese cloth and brass vases were used in the window, filled with white carnations, Easter lilies and white roses. In the bottom of the window brass vases were used with pots of valley and Easter lilies placed in them. White ribbons were draped from the altar and lavender chiffon was caught up in the bills of two doves, suspended from the ceiling. The figure of a girl, kneeling at the cross, was draped in white silk, holding an Easter lily, with a white band around her head and a small spray of valley in her hair. The comments on the window were many and various.

HALIFAX, N. S.—F. W. Killam notes an increase in his sales this year over last at similar prices. Easter lilies were scarce, also carnations and violets and everything sold well.

SHAWNEE, OKLA.—A 20 per cent increase in sales is the report of the Brenner Floral Co. for Easter at better prices than last year. Ferns and palms did not sell as well as flowering plants.



TWO SIMPLE BUT EFFECTIVE DESIGNS.

Wreath of Bridesmaid Roses and Leucothoe by Young & Nugent, New York.

Gates Ajar of Roses, Lilies, Leucothoe and Lily of the Valley by A. C. Rott, Joliet, Ill.



## THE CARNATION.

### Carnation Culture in the Field.

The proper time for planting in the field will vary with the latitude, and the season, said W. T. Bell in a paper read by him at the convention of the American Carnation Society at Pittsburg, January 26-27, 1910, but should be done as early as it can be with safety; so that the plants may become established, and make some growth, before the hot weather of midsummer. If the young plants have been hardened in a cold frame, for some time previously, they may be planted outside sooner than if taken directly from the warmer greenhouse.

#### A GOOD TILTH NEEDED.

The soil in the field where the plants are to be grown should be of a loamy nature, and care should be taken to have it well pulverized, and free from stones, and other obstructions. If a horse cultivator is to be used, the rows should be two and a half or three feet apart, but if to be cultivated by hand, they will only require to be 18 inches apart and, in either case, the plants should be set about one foot apart in the rows.

A half-inch rope should be tightly stretched where the row is to be, and the ground should have a final raking and leveling, by drawing a fine-toothed rake along the rope, walking backward. Pressing the edge or cutting face of a common garden hoe on the rope, and walking forward with it in that position, will leave a fine mark to plant by when the rope is shifted and is better than trying to plant beside a small stretched line.

#### CULTIVATE FREQUENTLY.

The plants should be cultivated frequently, the soil kept in a loose condition and stirred at the proper time after a rain. No weeds should be allowed to grow and the stopping of the lengthening stems must be promptly attended to, if shapely bushy plants are wanted. No flowers or flower buds should be allowed to grow, or at least not until nearly time to transfer the plants to the houses.

#### IRRIGATION.

During long-continued dry weather, a properly arranged system for irrigating by means of perforated pipes may be used to advantage; and as the plants are all of the same nature, and the conditions likely to be uniform, the objections to such a system when used in a greenhouse where a variety of plants are grown, requiring varying amounts of water, do not apply.

### Carnations Outdoors in the Northwest.

Two years ago this spring Mr. Bornerman of Fife Floral Co., near Tacoma, Wash., took out his carnations to allow early tomatoes to make an early spring crop and they were a very healthy lot of Enchantress, White Perfection and Lady Bountiful at the time of removal. The weather was warm and favorable so he decided to plant them outside. He had plenty of space so they were put out with the best care he could to give them a chance. They were set



EASTER WINDOW AT THE IDLE HOUR NURSERIES, MACON, GA.

rather deeper than when inside. The spring being warm and favorable the growth was hardly checked. They made a very fine lot of new growth and promise of a good cut, which came on about as nice as the inside flowers. All the summer and fall they supplied a splendid lot of flowers in abundance. In fact it was a real success from every point of view and gave a supply of very good flowers until late frosts cut them. They were wholesaled at about the same price as indoor flowers and were no worry or care to anyone except to cut them. They were staked and tied at time of setting out, remaining that way until the finish.

Last spring Mr. Bornerman decided to do the same thing again. His plants were not quite so good—rather soft in growth. They were handled as in the previous instance. The season was very similar to the year before except the first night or two were rather frosty, not so bad as some nights were the previous year.

It happened that in about two weeks after they were put out we made a visit to his place and were shown the results of his labor, a lot of plants that were yellow and dead, scorched as though having been

through a fire. We don't know whether he will try it again—but we think he ought to. Practically it can be made a profitable success in this climate but the plants ought to be hardened off or protected for a time to insure success. Carnations will produce as fine flowers outdoors in this section as inside and we wonder why some someone does not handle a crop of an acre or two. They would bring nearly as much at wholesale through the summer and fall as the indoor grown flowers do in the winter. This is not guess work but we are certain it can all be demonstrated as a profitable fact. We expect to experiment some ourselves.

TACOMA.

FISHKILL-ON-HUDSON, N. Y.—Benjamin Hammond has issued to the Home Garden Brigade of Union Free School District No. 8 "A Call to the Colors" for 1910, offering a series of prizes for gardens and garden products.

PARKERSBURG, W. VA.—J. W. Dudley & Son report a 10 per cent increase in their Easter sales over those of last year at similar prices and with plenty of stock. In plants, hydrangeas, azaleas and lilies were leaders, bulb stock being the poorest seller in cut flowers. The fine weather made wrapping unnecessary and was ideal for trade.



## ORCHID NOTES.

AVOID overwatering calanthes now. They need very little until the young tiers of roots are running well through the new soil.

CATTLEYAS require at least a week to develop after they begin to open and they are finer and last longer than if cut before this.

DENDROBIUMS cannot thrive with their roots deeply embedded in compost. They like small pans or other receptacles in which their roots grow one over the other and crowding each other for space.

THE time of the great orchid show at Boston, Mass., is drawing near and there is every probability of a record breaking event. It is held at a time when orchids are at their best and the splendid prizes offered should stimulate growers to show what they can do. Our illustration is of the hall of the Massachusetts Horticultural Society where the show is to be held May 26-30.

### Dendrobiums.

Although from a commercial point of view the dendrobiums cannot begin to rival the cattleyas there is not a more beautiful genus in the whole orchid family. The deciduous kinds, such as *D. Wardianum*, *D. crassinode*, *D. Bensoniæ*, *D. Findlayanum* and the partially deciduous *D. nobile*, *D. Phalænopsis* and *D. formosum* are among the prettiest flowers of their season, while as exhibition plants there is nothing to compare with well grown and profusely flowered specimens of the evergreen section of which *D. thyrsiflorum*, *D. Paxtoni*, *D. densiflorum*, *D. Farmeri* and *D. chrysotoxum* are well known examples. The orchid hybridist was at work early in the field of dendrobiums and beginning with the

beautiful *D. Ainsworthii*, a cross between *D. nobile* and *D. aureum*, has given us a delightful series of hybrids, interesting to the student of the genus as a whole and among the finest and most showy orchids in existence. Then to the botanical student the small and inconspicuous flowered forms are extremely interesting, though there is hardly one of these, small as they are, that have not some good feature that makes them well worth growing and we have yet to see the dendrobium that we would think of throwing away.

While the cultural details vary somewhat with the different species, dendrobiums, as a rule, require much the same kind of treatment. They like a high, moist temperature and plenty of sunlight while making their growth and if this can be arranged with an abundant air supply so much the better. In an ordinary American summer hardly any fire heat is necessary from the end of May until September as the sun heat is sufficient and the house can be thrown open, a light shade during the hottest part of the season to prevent injury to the foliage being all that is necessary. The amount of dampening of floors and stages necessary, owing to the quantity of moisture dispelled by evaporation, is very great but early in the afternoon the house can be closed with ample moisture and the hot, moist conditions generated will be such that one can almost "see the plants grow." This is what they like and, until the last leaf can be seen forming in the new growths, the long stemmed deciduous kinds look for no other treatment. After this the grower has to look out for consolidating the growth, ripening it and preparing it for the winter's rest. In winter the temperature can be allowed to go down say to 45°-50° without any injury being done, a state of total rest being necessary for the deciduous kinds. About September

the leaves begin to turn color preparatory to falling and this is the time to withhold moisture and lower the temperature, both by degrees.

During winter the embryo flowers form at the nodes along the growths, but there is little difference in the early structure of a leaf bud and a flower bud and some growers, in their anxiety to have flowers early, push the plants along in heat and moisture at an early stage. This is frequently followed by growths from the nodes instead of flowers and it should be guarded against. Heat, unaccompanied by moisture, does not appear to have the same effect and when we have been anxious to get *D. nobile* in early we have frequently placed the plants in a night temperature of 70° in November. But we always take the precaution of hanging the plants up in a position where little moisture reaches them and always choose the best ripened plants. Even with this care many of the current year's stems fail to bloom but there is no great loss as they flower freely the next season. *D. aureum* also stands this early forcing well, but it is not safe with *D. Wardianum* and the nearly related *D. crassinode* or the showy and beautiful *D. Falconeri*.

With the evergreen kinds a little different treatment is necessary. They do not require so long a season of growth or so much heat as the deciduous species, though when only one house is at command they get along fairly well together by placing the evergreens at the coolest end in summer and giving them a little more shade. In winter we never dry these off entirely. Drying so severely as we do the deciduous kinds would cause them to shrivel and this is not advisable, often leading to an enormous crop of flowers but poor growth or none at all. Very early in our orchid growing career we had a peculiar experience of this with *D. densiflorum*.



MASSACHUSETTS HORTICULTURAL SOCIETY'S HALL, BOSTON.  
Where the Great Orchid Show Will Be Held May 26-30, 1910.



Some large old specimen plants were left in the same pots for several years and dried somewhat severely. They flowered at a great rate for two seasons, being literally covered with the golden yellow clusters of bloom as large as horse chestnut blossoms, but they never made another growth of any kind and we had to throw them away the third year as the bulbs shriveled up almost to nothing. This

leave the others for further consideration at another time. One point as to the treatment of all dendrobies, however, should be noted. They none of them like a lot of close heavy compost about the roots and all thrive best in small pans, baskets or pots with their roots crowding one another for space and fighting, as it were, for the advantage.

ORCHIS.



DENDROBIUM FINDLAYANUM.

was an exceptional case, of course, but it shows the difference between the deciduous and the evergreen kinds.

The Bornean and Australasian kinds, of which *D. Phalaenopsis*, *D. bigibbum* and *D. Lowi* are examples are again rather different in their requirements. None are strictly deciduous in our orchid houses, no matter what they may be in their native forests, but they all retain some foliage at least during winter. Although they rest for a considerable time they must not be severely dried and during the growing season, which is short and sharp and usually occurs in late summer, they must be kept close up to the light and have abundance of heat and moisture. Another instance of variability we may note in the very distinct *D. speciosum* and its variety *Hilli*. We never did much with flowering these fine plants until we put them in the open air in summer and kept them there until the growth was hardened and ripened, after which, and a winter's rest, they flowered most profusely. *D. infundibulum* and *D. Jamesianum* belong to the same section (*nigro-hirsute*) as *D. formosum*, but like less heat. Suspended from the roof at the cool end of the cattleya house they will thrive and flower splendidly, their beautiful pure white flowers with yellow and orange colored eyes respectively being among the most beautiful in the genus. This note by no means covers all that could be said about the varying forms of this splendid genus, but it is already over long and we must

#### Cattleya Gaskelliana.

*Cattleya Gaskelliana* is a summer flowering member of the labiata group coming in bloom after *C. Mossiae* is past its best and filling the gap between this and the autumn flowering *C. labiata*. It comes nearer to *C. labiata* than any other species and we remember when the latter was reintroduced some years ago that some

orchidists thought it simply a form of *C. Gaskelliana*, the old labiata having been lost to cultivation so long that they had despaired of ever seeing it. However, there is quite a little distinction between them. For one thing the habit is different and the double sheath on *C. labiata* is almost never seen in *C. Gaskelliana* or in any other member of this group.

*C. Gaskelliana* begins to grow quite early in the season and flowers upon the forming bulb, not resting in the sheath like *C. Mossiae*, *C. Trianae*, *C. Schroederæ* and others. The flowers are of fair size and quite as variable as those of any other species, ranging from nearly pure white to deep rose. It is of moderate growth and should be potted in medium sized pots in a rough open compost of peat and moss over good drainage. During the growing season keep it with the rest of the cattleyas and unless, as sometimes occurs, the plants begin to grow again after flowering, let them have the coolest, airiest part of the house to ripen and rest up in. Should they grow again they will probably produce a second crop of flowers in the fall and in this case *C. Gaskelliana* often proves a valuable species after the bulk of *C. labiata* is over.

#### Orchids from Seed.

It is a general practice among orchid raisers to keep in store until the turn of the days any seed pods that may ripen during the late autumn and winter. In the case of cattleyas, their allied genera, and most of the epidendrum group, this is good practice, but after the middle of January the earlier the seeds are sown the better. The increasing light, with suitable atmospheric conditions, will generally assist rapid germination, and where seeds are sown early there is less watering required than is the case if there is delay for a few weeks.

Those who are largely engaged in orchid cultivation have generally



WHITE FORMS OF CATTLEYA GASKELLIANA.



proper facilities for raising seedlings, and it is, therefore, to those who labor under less favorable conditions that I chiefly address my remarks. Experience has taught me there is no greater difficulties in raising orchids from seeds than is experienced among most other plants, and as a further encouragement I would point out that where the parent species or parent plants can be successfully grown, there should be no difficulty in germination, and in rearing the seedlings from them.

I am quite willing to admit there are considerable advantages in the early stages of growth where plants are assisted by up-to-date conditions, but the principal advantage that can then be claimed is the shortening of the period between seed sowing and flowering.

When sowing dendrobiums, cattleyas, epidendrums, sophronitis, etc., the seeds may be sprinkled thinly over the surface of moderately fresh potting compost containing plants of the same kind as the seed; all moss and material that would be likely to overgrow and choke the seedlings should first be carefully removed. Care must be observed to avoid washing the seed from the surface when giving water to the plants, as there can be no question that carelessness in watering, rather than any other cause, brings failure. The seed is so light that it is easily floated from the surface in the early stages, and carried over the sides of the receptacle, and thus destroyed.

A better method than sowing on the surface of the potting compost is to procure some pieces of linen, or strips of shading, such as is in common use for blinds on the roofs of the houses. Cut the pieces into 7-inch or 8-inch squares, spread one over the palm of the hand, and in it place some chopped sphagnum, mixed with a little sand; then by wrapping the edges of the linen tightly round the sphagnum, make the whole into a ball. Some suitably sized clean pots, that have been filled to about one-half their depth with drainage materials should have the linen-cased ball of sphagnum placed in the center; then fill firmly round the edges with finely chopped sphagnum to prevent the edges of the cloth from being raised up and the seeds being washed into the drainage. Water these with tepid rain water a few hours before the seed is sown. Sprinkle the seeds over the surface, and place in the warmest and most humid situation available, within reasonable distance of the roof glass. Keep the surface reasonably moist, but do not disturb the seeds when giving the necessary water.

Where a propagating case is available the seed pots may be placed therein, as considerable benefit is afforded the seedlings in the early stages where a case can be used. The warmer and more humid atmosphere, and regular temperature thus afforded conduces to rapid germination of the seeds. A cross section of a scaffold pole, or any deal roughly sawn, and soaked for a few days in the rain water tank forms a good seed bed. These pieces of wood should be about an inch thick, and shaped so as to fit into a pot. Fill the pots almost up to the wood with clean broken crocks, over which place a thin layer of finely chopped sphagnum, and place

the blocks thereon. Water previously to sowing the seeds, as this will assist in attaching the seeds to the wood. The disadvantages of this method are that very frequent waterings and attention are required.

In the case of calanthes, which ripen their seeds in a reasonably short period—about three to four months after fertilization—there is a difficulty in finding suitable seed beds. I think this seed should be sown immediately it is ripe. If the stock plants have been repotted the seeds may be sown on the surface of the potting compost. Where the plants have not been repotted select those that have started into growth, and make sure that the old compost is thoroughly wetted through before seeds are sown.

Cypripedium seed is best sown on the surface soil in pots containing cypripediums, but as seedling cypripediums are often found germinating under the stages and in various positions, it may be assumed that it is not altogether essential they should be sown in the position suggested. The raising of odontoglossum seedlings was a considerable mystery for many years, as only an occasional plant was procured from the thousands of pods of seed sown. Yet at the present time we find that odontoglossum seeds germinate more readily than those of any other class of orchids. The only reason that I can offer is the inclusion of some broken leaves in the potting compost. The seed is best sown on the surface of the potting compost of plants of their own kinds. I find it best to sow some portion of the seeds as soon as the seed pod bursts. The remainder of the seed may be wrapped in paper and placed in a light position in the odontoglossum house to complete its ripening, and be sown when ready. Select as seed beds surfaces of a lasting nature, as some of the seed may lie dormant for months, while others on the same seed bed will make rapid progress and be fit for pricking off in a few weeks. Seeds of odontoglossums must not be permitted to become unduly dry or they quickly lose their germinating power.—Gardeners' Magazine.

LITTLE ROCK, ARK.—Tipton & Hurst's sales at Easter this year showed a 25 per cent increase over those of last, lilies being the only short item. Carnations seemed to drag, though all stock was of good quality.

DENVER, COLO.—The Park Floral Co.'s sales at Easter were slightly above those of last year, with plenty of stock of all kinds. Bulbs and azaleas were slow sellers, but rambler roses sold well and violets were the best sellers in cut flowers. The very warm weather brought some stock along too early, but, on the other hand, nothing had to be wrapped.

WICHITA, KANS.—W. H. Culp & Co. say their Easter business was heavier than that of last year, at similar prices. Plants were just about equal to the demand, but many lines sold out clean, the demand being principally for flowering stock. Bulb stock was not wanted, roses, carnations and lilies selling best in cut flowers. Stock was difficult to hold for Easter, owing to the hot weather.

## WITH THE GROWERS

Reter Reinberg, Chicago.

Probably never in the history of the firm has the great range of Peter Reinberg, Chicago, looked better or produced more first-class stock than during the present Easter. Not one variety but all those in season have been in full crop and the quality of the flowers has been excellent. It is useless our going through the kinds grown for they have been frequently described but one or two struck us as specially good, one of these being Uncle John. This rose is largely grown here and at one or two other places around the city, but it cannot be said to be popular generally. As grown here it must certainly be a profitable rose for the flowers are excellent in every way and produced with the greatest freedom. It is a good seller and should be much grown. Perle is also largely grown here and is one of the most profitable roses in existence. Sunrise is in full crop and the appearance of the benches with the attractive foliage and the many beautiful flowers is superb. In short, all the roses are in the most perfect condition and a credit to all concerned.

Owing to the large number of connected houses here it is rather difficult to give My Maryland warmer treatment than the other varieties, consequently the winter crop of this excellent rose was not heavy but for some time it has been in fine form and is flowering now with the greatest freedom. In the American Beauty houses fine stems and foliage and flowers of good substance are the rule while the plants, as they always have here, possess a hardiness and vigor that is wanting in many places where less air and more fire heat are used. This, in fact, is typical of all the roses here, Foreman Collins being a great believer in fresh air, especially during the summer, and hardens up his plants and renders them capable of standing the winter strain of flowering and forcing. The young stock of Beauties has been far better this season than the carried over stock, consequently not so many as usual will be carried over this year, while 75,000 young plants have been raised and will be planted for next season's flowering.

It is the present intention to cut out Bride and Bridesmaid entirely this year and although Mr. Reinberg's ideas may be somewhat modified there is no doubt that these two old favorites will be grown in the smallest quantities next season. In place of Bride the popular White Killarney will be grown and 50,000 plants of it have been propagated already. Probably about 40,000 will be planted. Speaking of propagating this variety, Geo. Collins says that it roots much more freely than the old Killarney. The average percentage of White Killarney rooted is 98 but they are doing well with Killarney to get 70 per cent. At least 100,000 Beauties have already been potted and the cuttings rooted in February are now elegant stock, growing strongly and ready





NO-AM EATING A PORTION OF SLICE-CLAM JUICE

GOOD EVENING ED, DOING A LITTLE BOWLING

MISTER WILL-YAM POTCOVER GREVER

MR. EDWARD HOT-AIR SLATTERY IS SOME BOWLER, HE THROWS THE PILLS FOR 200 AND THEN—SOME



MURDER THE FIRE MISTERS

AM SHUT UP

ED STEPHEN SAYS HE LIVES TO GET TO WORK EARLY BECAUSE THE EARLY BIRD CATCHES THE WORM

"THE WORM WAS A DAM FOOL FOR GETTING UP SO EARLY"



THIS IS MY CITY TREASURE

WE WANT TO BUY YOUR CITY TREASURE

ACT I ACT II ACT III



BILLY ADAMS SAYS HE'S GOING TO BOWL 200 SOME ONE OF THESE DAYS



WM. F KASTING SAYS HE IS GOING TO PUT UP A BIG FIGHT FOR THE CITY TREASURSHIP NEXT TIME



THIS SIDE OF GOOD—IS THE GOOD SIDE OF GOOD, IT IS HIS DETER HALF

EVERY OTHER DAY

SUNDAY



WALTER STECH THE HUMAN STEP LADDER



SAM WALLACE IS BOUND TO BE A FARMER, WE ALL WITH HIM GOOD FOR LOTS OF POTATOES AND A LONG LIFE



JOE SPYGLASS KNOWS EVERY STREET FROM BUFFALO TO TONNAWAGON



ANDY FISHER JUST GOT TALK FROM NEW YORK ON—LA—LA



BERT LEHDE SAYS "SUMPIN" BITES HIM ALL NIGHT



DO YOU SLEEP WELL ALL NIGHT

WALLACE EISS SAYS HE WOULD LIKE TO BECAUSE HE WORKS SO HARD ALL DAY LONG



CHARLES SANDFORD SAYS, THAT IF HE EVER HAS TO BE A WAITER HE'S ALWAYS GOING TO WAIT ON THE YOUNG LADIES BECAUSE THEN HE WON'T BE OUT TO THE INCONVENIENCE OF TAKING TIPS



ANDY FISHER JUST GOT TALK FROM NEW YORK ON—LA—LA



ANDY FISHER JUST GOT TALK FROM NEW YORK ON—LA—LA



SA ANDERSON THE MORNING AFTER THE BRIGHT

5 AM



CHARLES GUENTHER ALWAYS MANAGES TO GET TO THE MEETINGS, RAIN, HAIL OR SNOW

HE DOESN'T LIKE TO BE LATE BECAUSE HE'D MISS SOMETHING

HE SAID THAT HE DIDN'T SEE WHY THEY DON'T HAVE MORE



MANY DEAR HAT ARE ALKED IN THE DEEP SO BE WARE THE EAST SIDE BECAUSE TO MUM

CHARLES SEIDENHUT



JAKE WISE THE KING OF THE MARKET

HE TAKES APPROACH ITALIAN THAT HE ALMOST LOOKS LIKE AN



ON YOU HISS

CHARLES KITCH NEVER LIVES TO GET ALL TAPPED UP IN A DRESS SUIT BECAUSE IT MAKES HIM FEEL AS THOUGH HE HAD CORSETS ON THAT'S WHY HE ALWAYS MAKES A TRAIT ON THE LADIES



MR WELLS ONE SHIRT BOWLER SAYS HE'S GOING TO GET ANOTHER VEST THIS END OF THE STRIPS WILL RUN THE OTHER WAY



BARNIE

YOU SLEEP

YOU SLEEP



PUZZLE

WILLIAM WHO?



EMIL BRUCKER'S FAVORITE SPORT—HUNT FOR A CARNATION ALL YEAR

THERE ARE A LOT MORE CARNATIONS BUT I PREFER THE ONE IN THE PICTURE

ARTIST



JOE SANGSTER'S HORSE WENT TO SLEEP THE OTHER DAY



MY WIFE'S GONE TO THE COUNTRY MONDAY HOO RAY

AND MY CLERE WHI HE DIDN'T COME UP AND BOWL SOME SLAP WITH KILTS ON

HOO-MAN MC-CLURE



U. E. MA SAYS HE'S GOT A HORSE HOME AN HE GOES RIDING ON SUNDAYS



for planting or for a shift. The plantings of *My Maryland* will be increased, as will those of Killarney, to take the place of Bridesmaid. Mrs. Marshall Field, or "Field" as it is now termed in the growers' vernacular, is just starting in for the summer and the benches devoted to this fine hot weather rose are very promising. Immense numbers of roses in all the popular varieties have been propagated for the shipping trade as well as for home planting and propagating is still going on. Both grafted and own root stock is raised and among the hundreds of thousands of plants spread out on the benches there is hardly a poor one to be seen.

Chrysanthemums are also largely grown for the shipping trade as well as for home planting and big batches have already been potted. Among the varieties being worked most largely we noted *Monrovia*, *Polly Rose*, *Virginia Poehlmann*, *Pink* and *White Touse*, *Ivory*, *Halliday*, *Golden Glow*, *Maud Dean*, *Yanoma*, *Nagoya*, *White* and *Golden Chadwick*, the *Bonnafons*, *Estelle*, *Bigelow*, *Opah*, *Appleton*, *Dr. Enguehard* and a number of pompons, including *Garza* and *Mrs. F. Beu* in a number of different shades. The plants are all grown cool and hard, thus insuring their success when shipped to other places. The new carnation range is in splendid order now and only sufficient stock for shipping trade is propagated at the lower range. These plants are already potted and stood well apart and are hard, vigorous stock in the best of condition in all the leading commercial sorts. Returning to the new range the quality of the carnations sent from here to the down-town store is remarkably good, the flowers large, of excellent substance with long, stiff stems. Some idea of the quantity grown here and the way the plants flower may be gleaned from the fact that the Easter cut from these houses amounted to 50,000 first class flowers. The section devoted to *Asparagus plumosus* is producing well just now and as good greens have been on the scarce side of late and the cut has been 200 bunches per day during the scarcity this must be described as a pretty lucky strike.

#### Lager & Hurrell, Summit, N. J.

The range of Lager & Hurrell is strictly a home for orchids and the many branches of that ever interesting family that are there seen are a constant source of interest to visitors. While it may be, as has been said, that the word "specialist" has been somewhat overworked, it is entirely appropriate when applied to this firm. They are specialists in orchids in all that the term implies and a visit to their range fully confirms this statement.

The well known cattleyas, cypripediums, dendrobiums, odontoglossums, oncidiums and phalaenopsis are all found in profusion and under most favorable conditions of growth. There are in addition, many other varieties, that, if they do not enter so largely into commerce, are valuable acquisitions to the conservatory and of great interest to the fanciers.

There is always something new and interesting; always novelties and visitors always receive courteous treatment. The members of this firm are authorities on the habitat, growth and care of the many varieties of orchids and their range houses a most notable collection.

## THE ROSE.

### Preparing the Compost. ✓

Now that the weather has opened up, and permits of some of the outdoor work being done, the grower who did not take advantage of the fall of the year to get together enough soil for the compost, should lose no time in doing this work before the grass gets too much of a start, and in order to work the soil over several times after composting it, which will consume considerable time, hence no time is to be lost. The method of preparing rose soil for indoor planting has been mentioned very often in these columns; at the same time it may not be amiss to go into a few details concerning the work again for each season there are always a number of growers just starting out that a few timely suggestions would perhaps benefit; so we will for this reason especially go over the ground again.

In the first place the soil is a great factor in the production of high grade roses and the better the soil the cheaper the stock can be grown in reference to the amount of manure used in mixing the compost, and afterwards when it becomes necessary to use liquid manure or top dressing. If a very light sandy soil is used, one has to be continually building it up throughout the entire season, and as manure (especially good cow manure, really the only kind to use) isn't the easiest of things to procure at all times, it becomes necessary as a matter of economy to procure the best of soil. What we would consider a good rose soil for the average varieties of roses now being grown commercially (for instance, Killarney, *My Maryland*, *Kaiserin*, *Bride* and *Bridesmaid*) would be soil comparatively heavy, containing considerable clay and friable.

Without question a good heavy sod of several years' standing will add the fiber which goes a great way towards making up the ideal rose soil. The soil should be capable of producing fine crops outside if one must expect much from it indoors. It is seldom one finds soil too heavy for own root stocks if taken from high, well-drained ground, and for *American Beauty* it must be a soil containing considerable clay. We have often noted that soil that produced fine crops of wheat invariably produced good Beauties indoors; in fact all roses did equally as well if on their own roots; on the other hand we are inclined to lean toward a rather light soil containing considerable sand naturally for best results with grafted plants. They are gross feeders and require a soil that can be watered frequently, and with suitable soil all grafted stocks are quick producers and somewhat stronger than the own root stocks, giving both what they require in the way of soil.

There are two popular methods of preparing the compost, and both are excellent in their way. The first, as one of our successful growers described, some time back, where an enormous quantity was handled, was to select a level piece of ground convenient to the greenhouses, clean it off nicely and cart the sod on it to a depth of six or eight inches, spread the manure over this and pulverize the whole with disc harrows. This seems to be an excellent plan for large establishments. But for the grower who has only from 25,000 to 50,000 feet of glass, the old method of making a rick of soil is perhaps the most practical and for the novice it will be found more systematic, and accuracy in the mixing is more easily obtained. In order to handle the soil in this way, clean a piece of ground near the houses to be filled. Round it up some, so that no surplus water will settle around the soil pile and pile the sod up in layers, grass side down, placing the manure between each layer of sod. The stack or rick of soil should have gradually sloping sides, coming to a point at the top so as to shed the rains. We advise using extra help in doing this work, even on a small place, so as to get it finished up within a few days.

First, see that the cow manure is placed conveniently for mixing, and it should be turned several times if possible before using, throwing out any rubbish the manure may contain. Start the rick by placing a layer of sod about six inches in depth, then sow some good ground bone over this; over the ground bone a little of the loose soil can be scattered, then a layer of manure. We have found that if the layer of manure is a little less than the soil in bulk, that it, after settling, amounts to about one-fourth of the entire compost. The compost, if good soil is used, should be mixed one part cow manure to three parts soil and about a long handled shovelful of ground bone to 100 square feet of surface. More can be added later when chopping it and turning it, just before bringing it in, if desired. After the soil has been left standing for two weeks or so, it should be cut down and fined up as much as possible and left in the same shaped rick so as to shed water; the size of the rick can be anything the grower desires, but a rick 12 to 14 feet wide and five or six feet high will be found handy, as it can be made any length. Of course it all depends on the quantity to be used, location, etc. But either way described here will be found practicable. Last, but not least, turn the compost as many times as possible before filling the houses to insure a thorough mixing. E.

ROSWELL, N. M.—The Alameda Greenhouses report that their trade was greater by 20 per cent this Easter than last, at prices about the same, and plenty of stock to go around.

SPRINGFIELD, Mo.—W. A. Chalfant says that his Easter sales this year were greater than last, but that funeral work helped the returns, three funerals in one day and 26 orders from one of these making a lot of extra work. Lilies were scarce and higher in price, all other flowers being about the same.



**To Be Done Now.****IN THE GREENHOUSES.**

When throwing out the roses hold out a few of the best plants and plant them up outside. They may come in useful for filling up gaps in the benches later.

A heavier shade will probably be needed now upon the fern and palm houses, especially where there is much young stock.

Be very careful with all young stock not to allow it to stand so close that it is crowded. Drawn, weak plants of any kind are much inferior to stock stood well apart.

Pot on all young seedling stock before it gets hard in the pots or the growth will be checked.

Shelf brackets attached to the roof supports with shelves laid on give much needed room at this time of year for small bedding and other stock.

Keep an eye lifting for green fly, especially when the wind is cold outside, and fumigate on its first appearance.

Repot any old azaleas that are to be kept over as soon as they go out of flower and place in a cool, moist house to make their growth before going outdoors. Pot firmly.

Keep tomatoes in pots until the first bunch of flowers have set if possible, as they are less likely to run away to wood afterward.

Do not dry off the cyclamens after flowering if they are to be kept over. Keep them growing gently in a cool frame or house until the natural growth is finished.

Leave no litter or untidy plants or flats around the houses. Every inch of space is valuable now.

Mme. Chatenay and Mrs. Jardine roses are more sensitive to sun heat on the foliage than most others, and easily burn if there is not ample air on. A light shade should be given now if this can be done without unduly shading other kinds.

**OUTDOORS.**

Keep full air on all herbaceous stock in frames now night and day, and get all planting finished up as soon as possible.

Begin to kill the weeds early. When they are small a light hoeing will annihilate weeds that a week or two later would be hard to kill.

Use the greatest care in pricking up herbaceous borders not to damage plants that are just pushing through.

Never sow lawn grass seed on a windy day or probably much of it will be blown away. Where sparrows are plentiful it will probably have to be covered.

Push forward with all planting as rapidly as possible, as the longer trees, shrubs and other plants are out of the ground at this time of year the worse it is for them.

The soil has seldom been in such good condition for seed sowing so early in the season and all the hardy kinds should be got in without delay.

Old clumps of herbaceous subjects, full of twitch or other perennial weeds are useless. They should be thrown away and young, healthy seedlings or other stock used instead. If of rare varieties take off some of the outside portions for propagating.

The soil is very dry in some places and considerable watering of newly planted trees will be necessary.

Plant gladiolus bulbs as soon as they come to hand. A moderately light and rich soil is best for them.

Keep the hoe going early in the day among the herbaceous plants that are already growing, but avoid hoeing among any tender stock late in the afternoon.

**Caladiums of American Origin.**

The following is a selection of the finest caladiums of American origin:

Hildegard Nehrling (N.) A hybrid between Uberabinha and Gaston Chandon. One of the most beautiful and distinct of all caladiums and grand for massing. Stands the sun well in rich moist soil, in fact it is much brighter in color in rather sunny positions. Ground color pure white, mottled and clouded pea green, deep red midrib and veins. In shady places almost pure white; in sunny situations the entire leaf soon seems to be saturated with deep pink.

Bertha S. Eisele (M.) Pure snowy white center, green edge, the white being covered with a limited number of large blood red spots.

George Huster (?) Beautiful red center, yellowish white border, spotted here and there with large moss green blotches.

Mrs. Theodore L. Mead (Mead.) A new and distinct color. Deep olive



The Late Mrs. Sarah E. Smith.

green, with numerous deep red spots edged golden yellow, center golden orange densely freckled with minute blood-red spots, very glossy.

Coacoochee (Mead.) Bright light rosy-red, sometimes changing almost to pure white, bright red ribs, green border. When full grown this is a gorgeous variety. In poor soil it is almost entirely green with red ribs.

Adolph Jaenicke (Jaenicke) Ground-color milk white with pure white spots; main ribs and narrow zone very deep crimson. Very distinct and effective.

Emerald (Jaenicke.) Glossy golden green, wavy leaves. Glowing orange-scarlet center, bordered golden yellow, ribs vivid red—this color runs in broad stripes into the upper lobes. Brilliant.

TAMPA, FLA.—A destructive fire in the Tampa Floral Co.'s plant and sickness in A. Ficke's family checked the Easter trade here considerably. Lilies and violets sold better than any other cut flowers.

VICTORIA, B. C.—The Fairview Esquimault Greenhouses say their sales were greater at Easter than those of last year. Thousands of outdoor flowers were sold, but only lilies were wanted in plants.

\*Mr. Nehrling's paper commenced in our issue of July 10, 1909, and was continued July 31, October 9, November 27 and January 8 and February 19, 1910.

**OBITUARY.****Mrs. Sarah E. Smith.**

It is with sadness that we chronicle the death of one of the pioneer florists of Grand Rapids, Mich., Mrs. Sarah E. Smith, mother of Henry Smith, the leading florist here, who died Saturday morning, April 2, at their home on West Bridge street. Mrs. Smith was for many years in charge of Henry Smith's flower store on Monroe street. She was a noble, pure and loving woman, always striving to please. Mrs. Smith was a leader in the Grand River Valley Horticultural Society, and, as long as she was able, gave her influence and knowledge to the advancement of fruits and flowers, until failing health obliged her to retire. Her untiring industry, forethought and business ability assisted materially in laying the foundation and building up the well known fruit farm and florist business of Henry Smith. Mrs. Smith was born in New Rochelle, N. Y., in 1834, and came to Grand Rapids with her parents, Jos. Escott and wife, in 1839. In 1860 she was married to George Smith, and moved to Englishville, where they resided on a farm until 1870. Following her husband's death, she removed to the home on West Bridge street, and in which she died. Surviving Mrs. Smith are one son, Henry Smith, and one brother, George Escott, of Charlotte, N. C. B. S.

**Henry Charles Hatcher.**

Henry Charles Hatcher, son of John C. Hatcher, of Amsterdam, died March 26 at the Ottawa hospital, Ottawa, Ill., of pneumonia, after an illness of two weeks. Mr. Hatcher had never before been seriously ill, but his condition was realized as threatening from the outset and everything that could be done by nurses and physicians was attempted in order to save his life, all without avail. He was born in Utica 39 years ago, but passed his youth in Amsterdam, being connected with the business of his father. This he followed, together with landscape gardening, at which he was an expert, after leaving this city some 15 or more years ago. He was located for a considerable time in Atlanta, Ga., and for about two years past held a responsible position at the establishment of Mrs. Fred J. King, Ottawa. Mr. Hatcher was a member of the Episcopal church and various florists' and fraternal organizations. Warm hearted, generous and genial, Henry Hatcher made friends wherever he went and his early death will bring sorrow to all who knew him and appreciated his many excellent traits of character.

**Mrs. George M. Stumpp.**

Mrs. George M. Stumpp, wife of the well-known and prominent retailer of 761 Fifth avenue, New York, died April 5, of pneumonia, after an illness of but a few days. Mrs. Stumpp was born in England over 50 years ago. She came to this country about 31 years ago and soon after was married to Mr. Stumpp. She was a woman of fine character and endearing personality and was beloved and esteemed, not only by her own family, but likewise by a large circle of friends and acquaintances. She was a member of Laurel chapter, Order of Eastern Star, of New York. She is survived by her husband, one son, Geo. E. M. Stumpp, of New York, and one daughter, Mrs. Henry Mehl, Jr., of Jersey City. The sympathy of all members of the trade goes out to the bereaved family.



# THE AMERICAN FLORIST

1885 TWENTY-FIFTH YEAR 1910

Subscription, United States and Mexico \$1.00  
year; Canada \$2.00; Europe and Countries  
in Postal Union, \$2.50. Subscriptions  
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From the first issue the AMERICAN FLORIST has  
accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier  
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We do not assume any responsibility for the  
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A. F. FAULKNER, 1133 Broadway, New York.  
ROBT. KIRT, 1725 Chestnut St., Philadelphia, Pa.

THE AMERICAN FLORIST,

324 Dearborn St., CHICAGO

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"Think you, 'mid all this mighty sum  
Of things for ever speaking,  
That nothing of itself will come,  
But we must still be seeking?"

WORDSWORTH.

### Personal.

Robt. Miller and L. L. Barton, well-known eastern growers, were in Chicago this week giving finishing touches to plans for the Salt Lake City greenhouse establishment they have had under consideration for some time.

Frederic W. Taylor, of the Denver Reservoir Irrigation Co., Denver, Colo., better known in connection with the St. Louis World's Fair, was a visitor this week.

C. B. Whitnall, of Milwaukee, Wis., was elected city treasurer on the social democratic ticket April 5.

THE wilt o' the weather's the wail  
o' the west.

MANY Easter reports were sent us without name or address and, in consequence, could not appear, as in most cases it was impossible to locate the senders.

THE common pink lilac, from points in southern Illinois and northern Missouri, arrived on the Chicago market the end of last week, 26 days earlier than usual.

IF California affords any weather better than the Chicago brand of March, 1910, California will please show us. There is nothing superior to Chicago weather anywhere at any season.

### American Carnation Society.

ED. AMERICAN FLORIST:—

We have the annual report about ready to send out to our members. It will, no doubt, go out by the end of this week. We were fortunate this year in getting a very capable stenographer who turned the copy of the business sessions over to us in splendid condition. We have extra copies and shall be glad to mail these to colleges or other institutions who have libraries, who may apply for them.

A. F. J. BAUR, Sec'y.

### March Weather Extraordinary.

The month of March, 1910, in Chicago, was the warmest, driest and sunniest March since the official records began in 1871. Following the excessive heat of the first six days, a period of nearly normal temperature prevailed until the seventeenth, after which the temperature was again excessively high until the close of the month. On only one day did the temperature fall below the normal, while the freezing point was reached but seven times in the whole period. Precipitation in excess of .01 inch fell on only three days, while the average for March is 12 days. The average snowfall for March is 5-2 inches, but in 1910 snow fell on only three days, and was but a trace in each case. The wind movement was slightly below the average and but few high winds occurred. Sunshine was abundant, being 34 per cent in excess of the average, while cloudiness was correspondingly deficient. There was no day on which the sun did not shine at all, while on 10 days the percentage was 100.

### President Elliott Accepts.

President-elect Wm. H. Elliott, of the American Rose Society, writes as follows to Secretary Hammond, under date of March 28:

"Your notification of my election as president of the American Rose Society came duly to hand. I am rather surprised, under the circumstances, that I was selected for this position instead of one of the many able rose men who were present and who could have filled the position much better than I shall be able to do. However, I greatly appreciate the honor which has been tendered me and will certainly do my best for the interests of the American Rose Society. The great responsibility of this position during the coming year, with our great national exhibition to be held in Boston,

impresses me very much and I feel sure that the rose society can and will do its share towards the success of this great undertaking. Thanking the society for the honor conferred and you personally for your kind notification," etc.

### Chrysanthemum Society of America.

SPECIAL PRIZES FOR ANNUAL EXHIBITION.

The following are the special prizes offered at the Chrysanthemum Society of America's annual show to be held at Morristown, N. J., in conjunction with the Morris County Gardeners' and Florists' Society, November 23-24, 1910:

#### CLASS A.

C. S. A., special.—Silver cup for the best 10 blooms of any chrysanthemum, one variety.

#### CLASS B. (a).

Wells & Co., special.—First, gold medal; second, silver medal; third, silver gilt medal, for the best six blooms chrysanthemum Howard Gould.

#### CLASS B. (b).

Wells & Co. special.—First, gold medal; second, silver medal; third, silver gilt medal, for the best three vases of single chrysanthemums in three varieties, six sprays of each variety. Prizes offered by W. Wells & Co., Merstham, England.

#### CLASS C.

Lord & Burnham Co.'s special.—Gold medal, for the best 30 blooms chrysanthemums, in six varieties, introductions 1909-1910; open to private gardeners only. Prize offered by Lord & Burnham Co., Irvington-on-Hudson, N. Y.

#### CLASS D.

Hitchings & Co.'s annual special.—Silver cup, value \$25, for the best six vases, six varieties, five blooms in each vase, open to all. Prize offered by Hitchings & Co., New York.

#### CLASS E.

J. C. Vaughan special.—Silver cup, for the best specimen plant chrysanthemum, any variety; open to private gardeners only. Prize offered by Vaughan's Seed Store, Chicago and New York.

#### CLASS F.

Peter Henderson & Co. special.—First, \$10; second, \$5, for the best six vases of ostrich plume chrysanthemums, six varieties, three blooms to a vase. Prize offered by Peter Henderson & Co., New York.

#### CLASS G.

Chas. H. Totty special.—Silver cup, value \$50, for the best 12 blooms chrysanthemum R. F. Felton. Prize offered by C. H. Totty, Madison, N. J.

#### CLASS H.

Elmer D. Smith & Co.'s special.—\$25 for the best six blooms of chrysanthemum Rande. Prize offered by Elmer D. Smith & Co., Adrian, Mich.

#### CLASS I.

Wm. Duckham special.—First, \$10; second, \$5, for the best six blooms chrysanthemum Onunda. Prize offered by Wm. Duckham, Madison, N. J.

#### CLASS J.

Anton C. Zvolanek special.—\$10 for the best three varieties, three blooms to a stem, any chrysanthemums. Prize offered by Anton C. Zvolanek, Bound Brook, N. J.

The secretary will be pleased to add to this list any other specials from firms or individuals willing to contribute a prize. President Elmer D. Smith has appointed E. G. Hill, Richmond, Ind., chairman of the executive committee of the Chrysanthemum Society of America.

C. W. JOHNSON, Sec'y.



## Meetings Next Week.

Baltimore, Md., April 11, 8 p. m.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.

Chicago, April 13.—Gardeners' and Florists' Union, No. 10615, 10 and 12 Clark street.

Cleveland, O., April 11, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit street.

La Crosse, Wis., April 12.—La Crosse Gardeners' and Florists' Society, Hotel Stoddard.

Lake Geneva, Wis., April 16, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.

Madison, N. J., April 13, 8 p. m.—Morris County Gardeners' and Florists' Society, Masonic hall.

New London, Conn., April 13.—New London County Horticultural Society, Elks' hall.

New Orleans, La., April 10, 2 p. m.—Gardeners' Mutual Protective Association, 118 Exchange alley.

New York, April 11, 7:30 p. m.—New York Florists' Club, Grand Opera House building.

New York, April 13, 4:30 p. m.—Horticultural Society of New York, American Institute rooms.

Omaha, Neb., April 14, 8 p. m.—Omaha Florists' Club, City hall.

Pasadena, Calif., April 15, 8 p. m.—Pasadena Gardeners' Association, Board of Trade rooms, W. Colorado street.

Rochester, N. Y., April 11, 8 p. m.—Commercial Florists' Association of Rochester, 416 Cutler building.

Rock Island, Ill., April 14.—Tri-City Florists' Club, Henry Gaethje, 1607 Second avenue.

Scranton, Pa., April 15, 7:30 p. m.—Scranton Florists' Club, Guernsey building.

Springfield, O., April 11.—Springfield Florists' Club, office of the Good & Reese Co.

St. Louis, Mo., April 14, 2 p. m.—St. Louis Florists' Club, Odd Fellows building, 9th and Olive streets.

Toledo, O., April 13.—Toledo Florists' Club.

Winnipeg, Man., April 13.—Winnipeg Florists' Association.

## Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc

**Situation Wanted**—By grower of roses carnations and chrysanthemums all pot and bedding stock good designer. Address  
Key 479, care American Florist.

**Situation Wanted**—By a Norwegian, in greenhouse work for commercial trade; prefer Chicago; speak German, Dutch, English and a little French.  
Key 488, care American Florist.

**Situation Wanted**—By young man, married, German, as carnation foreman, will also take section; can show best results; state wages in first letter.  
Key 483, care American Florist.

**Situation Wanted**—By sober young man, age 24; experienced in roses, carnations, etc. capable of taking charge of section on commercial place; north-west preferred; please state wages. Address  
Key 487, care American Florist.

**Situation Wanted**—By practical middle aged florist; life experience growing roses, carnations, violets chrysanthemums, decorative and bedding plants; single, sober; state wages. Address  
A. G., Florist, care Progress Hotel,  
12 Chatham Square, New York City.

**Situation Wanted**—As cut flower grower or working foreman thoroughly competent to take charge first-class rose, carnation and chrysanthemum grower, also the growing of all kinds of bulbs pot plants and bedding stock. Address  
Key 480, care American Florist.

**Situation Wanted**—By A No. 1 grower of cut flowers and potted plants; good propagator; German, 36 years of age; able to take full charge; have always made a success of it. Address  
EMERT PRIGGE,  
316 Capitol Avenue, North, Lansing, Mich.

**Situation Wanted**—By practical grower of cut flowers and pot plants in general; 20 years' experience in England, 3 years in Canada; private or commercial; married; middle-aged; total abstainer. Address  
HENRY TUCKER,  
815 Queen St., Chatham, Ont., Canada.

**Situation Wanted**—As foreman or grower by an expert grower having 12 years of experience in the growing of cut flowers, potted plants, handling of help to best of advantage; designing, etc. Excellent references. age 29, single; reasonable wages.  
Key 478, care American Florist.

**Situation Wanted**—As working foreman; German; 33 years of age; 12 years in this country; 18 years' experience in growing roses, carnations, 'mums, bulbs and bedding stock; also good designer and decorator; good worker, sober and honest; best of references; state wages and full particulars in first letter.  
Key 486, care American Florist.

**Help Wanted**—Man for general greenhouse work at once; must be a good potter; permanent position; wages, \$30.00, with board and room.  
ARTHUR JAMES, Florist, Wilkinsburg, Pa.

**Help Wanted**—At once, good carnation grower to take care of section; single man; state wages expected and give full particulars. Address  
N. ZWEIFEL, North Milwaukee, Wis.

**Help Wanted**—Single man, experienced in growing roses, carnations, 'mums and pot plants; in private place. State wages, with references. Address  
SUPERINTENDENT,  
1918 E. 40th St., Cleveland, Ohio.

**Help Wanted**—Helpers in rose houses, with some experience; \$30.00 to \$45.00 per month. State in first letter salary received in previous places and experience in the business.  
POEHLMANN BROS. Co.,  
Plant B, Morton Grove Ill.

**Help Wanted**—Assistant single, about 25 to 30 years old on private place. Must be a good rose, grape and peach grower. No others need to apply. Must have good habits. Wages, \$40 per month and board; references. Address  
Key 476, care American Florist.

**Help Wanted**—At once, carnation foreman to take full charge of an up-to-date carnation establishment; must be single, fully experienced in growing the best stock, and able to handle men; state wages expected with board and room, and full particulars. Address  
N. ZWEIFEL, North Milwaukee, Wis.

**For Sale or Rent**—40,000 square feet of glass, in good location; needs partial rebuilding; rent accordingly, or will sell at reasonable price.  
Key 460, care American Florist.

**For Sale**—One-half or whole interest in greenhouse business; best location in the North-west with small capital. Address  
LAKE PARK GREENHOUSE, Bemidji, Minn.

**For Sale**—One brickset Furman boiler in good shape; 1 model No. 30-5 good as new, used two winters, very cheap if taken at once; will install larger one in place of the two.  
Key 468, care American Florist.

**For Sale**—A well paying florist business of 4,000 square feet of glass in good condition, very cheap, but must be sold for cash at once; the best reason given for selling. The place is in a growing college town; natural gas for heating at 10c a thousand.  
CHAS. DUERR, Granville, Ohio.

**For Sale**—4,000 ft. of glass in good repair; fine location in northern Illinois city of 50,000. A bargain. Hot water heat; only house near principal cemeteries; is opposite main gate; best car line in city passes door; will rent or sell house and barn adjoining; a paying investment for industrial man.  
Key 482, care American Florist.

**For Sale**—10,000 ft. glass in city of 1,800, in the middle west, established retail business of 25 years; close to four large cities; one of the best locations in the country to build up wholesale business; owners are engaged in other line of business and cannot give greenhouse personal attention; present owners can handle entire output of purchaser; a splendid opportunity for live energetic man. Address  
Key 463, care American Florist.

**Wanted**—To rent or lease with privilege of buying; place of 5,000 to 25,000 ft. of glass between May 1 and July 1; give full particulars in first letter.  
Address FLORIST,  
Box 42, Route 1, Downers Grove, Ill.

## Situation Wanted

As storeman or assistant in first-class store in west or east. Recommended by present employer. Best of reasons for making a change. Willing to start at a small salary

Key 485, care American Florist

## Help Wanted.

We want immediately, for general greenhouse work in Montana, a man of good character and sobriety. Give age, experience and references in first letter.

Key 489, care American Florist.

## Help Wanted

Fairly practical man to take charge of 15,000 feet of glass in general retail establishment. A good place for a capable man; married man preferred. Address  
Mrs. Fred J. King, Ottawa, Ill.

## Wanted.

Experienced greenhouse builders and glaziers; write at once.

THE MIAMI FLORAL CO.,  
Dayton, Ohio.

## WANTED AT ONCE

A sober, industrious man for general greenhouse work.  
Wages \$14.00. Address

Key 454, care American Florist.

## WANTED.

Two young men with some experience in general greenhouse work, as assistants on large place. Good wages and chance for advancement. Address

Key 477, care American Florist

## Greenhouse Construction

BY PROF. L. R. TAFT.

It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 210 pages and 118 illustrations. PRICE, \$1.50

## Greenhouse Management

By the same author. Covers the subject completely. 382 pages. PRICE, \$1.50.

American Florist Co.,  
324 Dearborn St.,  
Chicago.



## The Easter Flower Market.

ED. AMERICAN FLORIST:—

The enclosed clipping from the Memphis Commercial Appeal, one of the most influential and widely read journals in the south, contains several statements which will be news to the "elect," as well as to the general public. Evidently the Longiflorum and Formosum lilies are not a factor in the lily market, as present prices are "logically" explained by the shortage of bulbs from Bermuda. Some of us now know, for the first time, how business is conducted in Chicago, and can imagine the principal wholesalers driving around in a "one-hoss" wagon, collecting hyacinths which have been "grown by the children." But best of all is the statement that there is a fortune to "be made by the cultivation of flowers," and we may soon expect plenty of accessions to the list of growers.

MAC.

"Like other luxuries of the season, Easter flowers have soared in price beyond all reach of reason. The increase may be sympathetic. There is, however, a more logical reason for the advance in the price of the Easter lily than in many other commodities on the market. Easter coming early this year, and the season being delayed in the island of Bermuda, which makes the favorite lily very scarce, the supply is limited. According to New York reports, only 30,000 bulbs were imported this season, and the average shipment is never less than 50,000 as a rule.

"But other flowers have not been delayed by the season, and as most of them are glass grown, there is no reason why the cost this year should be greater than last. The price of earth has not advanced, except in certain classes of building lots. The soil, care and original cost of bulbs and seed remains unchanged, yet the flower output this season has reached a top note in a crescendo of increasing value. Never before has the Easter floral offering cost so much. People for the first time have begun to speculate on the fortune which is to be made by the cultivation of flowers.

"Most of the flowers used in Memphis are grown about Chicago. Floral commission merchants buy the individual crop of each suburban planter. In many homes in the suburban towns about Chicago the children grow hyacinths for the market. They grow other flowers as well. From house to house the merchant drives, collecting and buying the stock of each small grower. The gathered flowers are then marketed in Chicago. The flower market of that city is the most important in the United States outside of New York. Southern violets are shipped to Chicago, only to be shipped back again to local dealers.

"The trade in flowers during late years has grown in magnitude. There are great farms in the suburbs of Chicago and along the sandy lake shore devoted exclusively to the growing of roses. In the summer they are made hardy in the open air. In the winter the plants are housed under glass and forced for blooming. The winter supply comes largely from these plants. The Easter flower market has been plentifully supplied. The scarcity of the Bermuda lily probably had a tendency to increase the general cost of flowers, and the high cost of other things added a sympathetic impetus toward higher prices."

# California Flower Market

AND

## Shipping Department

WITH

## All Kinds of Cut Flowers

31-33 Lick Place,

San Francisco,

Calif.

WHOLESALE

## Coal From Plant Spores.

A writer in a recent issue of Rhodora reports that certain coals that have been investigated consist almost entirely of the microspores and megaspores of certain fern allies that flourished during the coal forming period according to the American Botanist. By careful manipulation of the coal it is possible to study the spores satisfactorily with the microscope. These spores are the next thing to pollen grains—pollen grains themselves being essentially spores—and the bituminous matter found in some coals is regarded as produced from the waxy matter contained in the spore coats.

MERIDIAN, MISS.—A 25 per cent increase in sales at similar prices to last year is Mrs. N. G. McKinney's report for Easter, and there was plenty of stock of all kinds. Lilies were most sought in flowering plants, though all sold well and carnations and lilies were the best sellers in cut flowers.

TEXARKANA, ARK.—The Stegall Floral Co. reports a 25 per cent increase in its sales at Easter over those of last year, but competition kept prices down. There were not enough cut flowers, but plenty of flowering plants, which were greatly in demand. Carnations were most looked for in cut flowers.

NEW ORLEANS, LA.—Business for Easter with Abele Bros. this year was about the same as last, but at higher prices. Large azaleas and lilies were most called for in plants, and flowers of all kinds sold out. Owing to the hot weather stock shipped here from Chicago arrived in poor condition, much of it, apparently, having been pickled.

AMBLER, PA.—The Pennsylvania School of Horticulture for Women is now ready to receive pupils. This school, which is on a 20-acre farm, offers a two-year course in horticulture to women only. As the greenhouses and other buildings are not yet built, the first pupils will get the benefit of helping with the planning of this work. Miss Jane B. Haines, of Cheltenham, Pa., is the secretary of the school.

## The Merits of

# APHINE

Will again be publicly exploited  
at a demonstration before the

Nassau County Horticultural  
Society

at Pembroke Hall, Glen Cove,  
L. I., Wednesday afternoon,  
April 13th, from three to six  
o'clock.

We are anxious to have a large  
collection of insect-infested plants  
submitted at this test, so that we  
can decisively demonstrate the  
wonderful merits of this new in-  
secticide, Aphine.

You are cordially invited.

Aphine Manufacturing Co.  
MADISON, N. J.

POUGHKEEPSIE, N. Y.—An interesting paper on violet culture, read by Peter T. DeVoy of Worrall avenue at the meeting of the Dutchess County Horticultural Society, March 29, was one of the principal features of the meeting. Mr. DeVoy has raised a new violet of a light shade, flowers of which were shown and much admired by those present. He has named it after his daughter, Marie Elsie.



# NOW READY

—The American Florist Company's—

## Trade Directory For 1910

Contains 570 Pages.

Price \$3.00 Postpaid.

**T**HE AMERICAN FLORIST COMPANY'S Trade Directory for 1910, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 570 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States, Canada, Central and South America arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms Which Issue Catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, Seed Growers, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

### American Florist Co.

324 Dearborn St., Chicago.



# PLENTY OF STOCK In All Lines

There has been a tremendous demand for our stock, but the continued fine weather has brought the flowers along rapidly, and we are cutting heavily on all the better grades of Beauties, Roses and Carnations, with all other seasonable stock in first-rate order.

**SEND US YOUR ORDERS AND THEY WILL BE TAKEN CARE OF.**

## AMERICAN BEAUTIES

|                                                                                                      | Per doz.                 |
|------------------------------------------------------------------------------------------------------|--------------------------|
| Extra long stems.....                                                                                | \$3 00                   |
| 30 inch stems.....                                                                                   | 2 50                     |
| 24 inch stems.....                                                                                   | 2 00                     |
| 20 inch stems.....                                                                                   | 1 50                     |
| 18-inch stems.....                                                                                   | 1 25                     |
| 15 inch stems.....                                                                                   | 1 00                     |
| Short stems.....                                                                                     | 75                       |
| <b>Chatenay, Richmond, Mrs. Field, Uncle John, Bride, Bridesmaid, Ivory, Sunrise and Perle</b> ..... | Per 100 \$4 00 to \$6 00 |

|                                        | Per 100            |
|----------------------------------------|--------------------|
| <b>My Maryland and Killarney</b> ..... | \$ 4 00 to \$ 8 00 |
| <b>Roses, our selection</b> .....      | 3 00               |
| <b>Carnations</b> .....                | \$ 1 50 to 2 00    |
| <b>Harrisil</b> .....                  | 12 50              |
| <b>Valley</b> .....                    | 3 00 to 4 00       |
| <b>Adiantum</b> .....                  | 1 00               |
| <b>Asparagus, per bunch</b> .....      | 50                 |
| <b>Ferns, per 1000</b> .....           | 2 50               |

**2,000,000 FEET OF MODERN GLASS.**

**PETER REINBERG, 35 Randolph St., Chicago**

### Weather Helps General Business.

In its weekly review of Chicago trade, Dun's Review, published by R. G. Dun & Co., in the issue of April 2, says: "Business generally exhibits a prompt response to the seasonable weather. Payments through the banks, deposits and loans are seen to be far above all previous records, a convincing testimony to improved activity in the leading industries and investment. Movements have become remarkably extended in heavy materials, raw supplies and factory outputs, but those of grain, live stock, and provisions show decline. Forwardings of general merchandise to the interior exceed those of a year ago. High prices still affect the markets for the principal foodstuffs, and buyers operate cautiously. Farm reports reflect gratifying progress in seeding, and the anxiety to complete spring work soon accounts for smaller crop marketings at this time."

### Chicago.

#### MARKET OVERSTOCKED.

The latter part of last week the market was glutted with all kinds of stock and the greatest difficulty was found, both in the commission houses and the grower's establishments, in cleaning up. Not only roses and carnations, but everything else was over plentiful. Among the flowers that have been arriving in quantity is the outdoor southern lilac, a flower that is usually looked forward to and—the first lots at any rate—welcomed. It is hardly welcome now, in view of the scant demand and the great quantity of other stock, and is about 26 days earlier than usual. The outdoor daffodils are coming in, apparently, in carload lots and are becoming a nuisance. There are so many of these flowers that some of the boxes are never even unpacked. Indoor bulb stock is, of course, affected in price by this cheap southern stock, yet, for the season, good tulips seem to be holding their own very well—but they must be good and fresh to stand shipping. The week also saw the first appearance of the pretty little trailing arbutus or May flower, one of the most fragrant little flowers in existence. Good yellow irises are also in and we saw a few German varieties, but the latter were not of very good quality and looked as if they had suffered considerably in

### "The Busiest House in Chicago"

**R**OSES and CARNATIONS galore. Also a world of Spring Flowers—the best on this market. Get our prices. We believe they will appeal to you.

**J. B. DEAMUD CO.**  
51-53 Wabash Ave., CHICAGO

transit. Pansies continue to arrive in quantity and make a variety. Orchids, gardenias, lily of the valley, sweet peas and other flowers for street wear have taken a little fillip, probably owing to the bright weather, but violets are rapidly reaching the "down and out" stage.

On Sunday and Monday the weather kept warm and stock kept pouring in, making the wholesalers wonder when the avalanche was going to cease. It did not cease, though, as showing what only one day's cold will do, the Wednesday morning cut was not so heavy by nearly one-half as the previous day's. Roses naturally felt the change quicker than carnations, and the Beauty run was checked considerably. There is nothing, of course, in a day or two of cool weather to make any very substantial change at this time of the year, but it has been so unseasonably hot up till now, and the plants have been working so hard that in the natural course of events a shorter supply may be expected. Then, several of the large growers, urged by the forward condition of the young stock and the low prices prevailing, are already throwing out their roses, and this all has a tendency in the same direction. Candidum lilies have been arriving here in small quantities and fair quality, making a welcome change from the ubiquitous Easter lily and calla. Taken as a whole, the week must be described as a poor one. There were good days for shipping, notably Friday and Monday, but there were also very poor ones and these, unfortunately, were in the majority.

#### NOTES.

J. F. Felke, aged 47, died at the Alexian Brothers' hospital March 31 at the age of 47, from dropsy and Bright's disease. Mr. Felke used to be in partnership with Nic Miller, now of the J. B. Deamud Co., on Mohawk street, and later at Wilmette. He bought out the old firm of Felke & Wagner and later sold the interest in it to his father and Mr. Miller. He was Nic's brother-in-law, also brother-in-law to Anton Then. The funeral was held on Saturday, April 2.

Vaughan's Seed Store forces are on the jump from early morning till late at night and during the rush hours of the day. The space in both stores, 84 Randolph street and 809 W. Randolph street, is wholly inadequate to accommodate the throngs of customers. In the evening when the stores are closed to all but the night force, sentinels have to guard the doors to keep customers out while the workers enter or leave the buildings.

John Mangel has been very busy with wedding decorations and a "pink and white" wedding on the north side gave him an opportunity to put in some of his best work. The whole scheme was pink and white except for the green foliage and consisted of white Killarney, and Killarney roses, a few lilies and some banks of Azalea Vervaneana. The roses were used on the tables and the same color scheme carried out throughout.

Expressman Senator Tom Platt was blamed for the following: "Anticipating your desire to transport to sundry propinquities and various habitats



# BEAUTIES Very Large Crop of Long Stems

They are the best quality in this market. Also a

## Big Cut of Roses and Carnations

BUY DIRECT OF THE GROWER

### Current Price List

**ROSES**, our selection, medium length stems.....\$2 00 per 100

| American Beauties |                           | Per doz. |
|-------------------|---------------------------|----------|
| Extra long.....   | \$3 00                    |          |
| 30-inch.....      | 2 00                      |          |
| 24-inch.....      | 1 50                      |          |
| 18-inch.....      | 1 00                      |          |
| Short stems.....  | per 100, \$3 00 to \$4 00 |          |

| Carnations                             |                | Per 100 |
|----------------------------------------|----------------|---------|
| Fancy red extra long O.P. Bassett..... | \$3 00         |         |
| Fancy White Enchantress.....           | 3 00           |         |
| Fancy Pink Enchantress and Winsor..... | \$2 00 to 3 00 |         |

| White and Pink Killarney, Richmonds, Maids, Perles and Brides |                |  |
|---------------------------------------------------------------|----------------|--|
| Extra long and select, per 100.....                           | \$3 00         |  |
| Good lengths, per 100.....                                    | 6 00           |  |
| Medium lengths, per 100.....                                  | \$4 00 to 5 00 |  |
| Short lengths.....                                            | 2 00 to 3 00   |  |

| Miscellaneous                    |        |  |
|----------------------------------|--------|--|
| Lily of the Valley, per 100..... | \$3 00 |  |
| Tulips, all colors.....          | 3 00   |  |

| Miscellaneous                             |                |  |
|-------------------------------------------|----------------|--|
| Sweet Peas, per 100.....                  | \$ 50 to \$ 75 |  |
| Asparagus Sprays, per 100.....            | 3 00 to 4 00   |  |
| Asparagus Strings.....                    | 50             |  |
| Sprengeri, per 100.....                   | 2 00 to 3 00   |  |
| Smilax, very long and heavy, per doz..... | 2 50           |  |
| Adiantum, per 100.....                    | 1 00           |  |
| Galax, green or bronze, per 1000..        | 1 00           |  |
| Ferns, per 1000.....                      | 2 50           |  |

# Bassett & Washburn

Store and Office: 76 Wabash Ave.,

CHICAGO

Greenhouses: HINSDALE, ILL.

certain commodities appertaining to the genus flora contingent to our line of locomotion, and assuring you that, being unable to conform with sundry legal usages concerning delivery (and putting aside all unnecessary and confusing verbiage) we agree without any equivocation or mental reservation whatsoever to reimburse you in the event of the unfulfillment of the contract we are about to enter upon. We respectfully solicit your valued patronage, as our quadruped attached to the vehicle is at your portal and admits of no lost motion."

Peter Reinberg's American Beauty roses have been arriving in great quantities during the week, and the quality is excellent. His other roses too are fine, and so are the carnations, sweet peas and other stocks. Out-of-town trade has kept up very well, and considering the large amount of stock on hand, each day shows a very fair clean up. Mr. Reinberg was re-elected as alderman of the Twenty-sixth ward by an overwhelming majority.

An appeal has been made to the city council for a municipal greenhouse and nursery on the city's Riverside property known as Gage farm. We note that City Forester Frost has been advising the planting of smaller, younger trees in the city streets in the place of those of larger caliber, and this looks like good advice.

The J. B. Deamud Co. was the first house to handle the trailing arbutus this year, considerably earlier than usual. J. B. has also secured a fine lot of forced Lilium candidum, quite an unusual feature in the market. Discriminating buyers can always find something here in the way of novelties.

Vaughan & Sperry are working hard to clean up the heavy consignments

of good stock and succeeding in doing it. A very large amount of business is done here now, but not without some good hustling and careful manipulation. Carnations of excellent quality, sweet peas and roses are leaders.

Louis Wittbold, of the Geo. Wittbold Co., reports another extremely busy month, the best March on record. Outside work, such as grading and planting, as well as the transient trade at the retail stores have been greatly helped by the fine weather.

Winterson's Seed Store has almost disposed of its consignment of box specimens and is now making preparations for a large shipment of bay trees, mostly standards, in assorted sizes. The entire force is busy day and night and Sundays.

Kyle & Foerster handled a very heavy out-of-town trade at the week end, good carnations being a considerable part of the consignments. Extra good lilies are among the best showings here this week.

Charlie Drissler of the Wietor Bros. force joined the benedicts April 5. On this date he married Miss Mary Solt at St. Michael's church at 9 a. m. Good luck, Charlie.

E. H. Hunt reports a falling off in business the end of last week, but Monday of the present week showed an excellent demand, causing a good clean up.

L. Wasserman, Muskegon, Mich., was in town buying supplies this week and reports the best Easter trade he ever had.

The Foley Mfg. Co. has another experiment station greenhouse plant under construction at Madison, Wis.

The A. L. Randall Co. reports the Evergreen flower fertilizer an excellent seller.

## Wietor Bros.,

Wholesale Growers of

..CUT FLOWERS..

51 Wabash Avenue, CHICAGO.

### Price List

| American Beauties,           |                | Per doz |
|------------------------------|----------------|---------|
| Extra long.....              | \$ 3 00        |         |
| 36-inch stems.....           | 2 50           |         |
| 30-inch stems.....           | 2 00           |         |
| 24-inch stems.....           | 1 50           |         |
| 20-inch stems.....           | 1 00           |         |
| 12-inch stems.....           | 75             |         |
| Short.....                   | 50             |         |
|                              |                | Per 100 |
| Killarney, extra.....        | \$ 8 00        |         |
| " medium.....                | 6 00           |         |
| " good.....                  | \$3 00 to 4 00 |         |
| Richmond, extra.....         | 8 00           |         |
| " fancy.....                 | 6 00           |         |
| " good.....                  | 4 00 to 5 00   |         |
| Mrs. Jardine, extra.....     | 6 00 to 8 00   |         |
| " fancy.....                 | 5 00           |         |
| " good.....                  | 4 00           |         |
| White Killarney, fancy.....  | 4 00 to 8 00   |         |
| Brides and Maids, fancy..... | 4 00 to 8 00   |         |
| " good.....                  | 3 00           |         |
| Uncle John, fancy.....       | 5 00 to 8 00   |         |
| " good.....                  | 3 00 to 4 00   |         |
| Perle, fancy.....            | 10 cents       |         |

|                                                   |               |
|---------------------------------------------------|---------------|
| <b>ROSES</b> , our selection.....                 | <b>\$3 00</b> |
| Carnations, extra fancy.....                      | 3 00          |
| Easter Lilies, short \$2 00 per doz.              |               |
| Valley.....                                       | 3 00 to 4 00  |
| Asparagus Plumosus, extra quality, per bunch..... | 75c           |
| Fancy Ferns, per 1000.....                        | \$2 50        |

All other stock at lowest market rates.

Prices subject to change without notice.  
No charge for packing.



# Beauties and All Other Stock

## IN GOOD SUPPLY

Everything is plentiful and cheap this week and the quality is excellent, but the weather has turned cooler, and it may be less plentiful and dearer. But get acquainted with us and we will keep you posted.

### A FEW LEADERS

Roses, in all popular varieties.....\$3 00 to \$6 00 per 100  
Carnations.....1 50 to 2 00 per 100  
Lilium Longiflorum.....10 to 12 cents each

Callas.....10 to 12 cents  
Fancy Valley.....\$3 00 to \$4 00 per 100  
Fancy Ferns, Leucothoe, Galax, Mexican Ivy.

Wire Us for Prices on Large Quantities

# VAUGHAN & SPERRY

Long Distance Phone,  
Central 2571.

52-54 Wabash Ave., CHICAGO

The Beauty crop at Bassett & Washburn's must be large, judging by the amount of flowers arriving daily, and the quality is excellent. Richmond is also arriving in good shape, as are the teas. A fair shipping and city trade is reported.

Zech & Mann are showing excellent stock and report their out-of-town trade good, many of the new customers who came to them at Easter staying with them since. Good stock and careful personal supervision of all orders always make for success.

John C. Behrer, democratic candidate for alderman in the Seventh ward, failed of election last Tuesday, but made a very considerable gain for his party in a republican stronghold.

The funeral of Robt. Wilson Patterson, editor of the Tribune, April 4, created a heavy demand for funeral work, of which The Ernst Wienhoeber Floral Co. had a large share.

E. F. Winterson finds all his rest and recreation right in the cut flower business and was still hard at it at 11 p. m. last Sunday night.

S. Muir says that trade at his two stores has been a little quieter since Easter, though very satisfactory as a whole.

The Bohannon Floral Co. has had several good decorations during the week and reports trade generally good.

Visitors: Fred Holton, of Holton & Hunkel, Milwaukee, Wis.; John Evans, Richmond, Ind.; Albert C. Rott, Joliet; P. Peterson, of the J. D. Thompson Carnation Co., Joliet; L. Wasserman, Muskegon, Mich.; C. H. Woolsey, Rockford; C. Peterson, of Peterson & Son, Escanaba, Mich.; G. E. Serviss, Batavia; M. S. Crozer, Cedar Rapids, Ia.

### BOWLING.

There will be a double-header Thursday night at Bensinger's alleys, six games being scheduled, and a start to be made at 7 p. m. Next week will be the same and an extra game will have to be rolled the succeeding week at some other alleys, probably Flenner's. This is in order to catch up on the schedule, games having been missed at the time of the flower show, the election of officers at the Florists' Club, and the week previous to Easter. The Carnations and Violets are now tied, so an interesting series is looked forward to. Wolf still leads in the race for the Deamud cup, though Yarnall gained 28 pins last week and is now only five behind.

### St. Louis.

#### OUTDOOR STOCK POUNDS PRICES.

The weather has been somewhat cooler with some rain. Everything is far advanced. Lilac from the country has been coming all week and this outdoor stock has influenced the market considerably. Narcissus poeticus from the south is coming to hand in large quantities. Sweet peas have been abundant, in fact, everything seems to be in crop. Easter was early and the plant men are looking out for early disposal of their bedding stock. Roses are on and prices have a downward tendency.

#### NOTES.

We regret to announce the death of Annie Bova, sister of Dominic Bova, of the Red Bud Floral Co., aged eight years. She was an exceptionally beautiful child.

Henry Emmons, of Belleville, was in with carnations Saturday and returned busy with funeral work. He reports fine Easter trade.

Miss Edith E. Ostertag, eldest daughter of Henry Ostertag, of Ostertag Bros., was married to John W. Doedii, March 30.

A. W. Murray, of Union boulevard, reports a splendid Easter trade. This was the first Easter in his new store.

Martin Moran reports spring trade as far advanced, owing to the very warm weather we are now having.

C. Young & Sons Co.'s display of tulips in their show windows on Olive street is very attractive.

Kalisch Bros. report a splendid Easter trade. Their stock was almost entirely cleaned out.

J. F. Wilcox, of Council Bluffs, Ia., ships several boxes of roses to this market daily.

E. W. Guy, Belleville, Ill., has been busy repairing the damage done by the recent fire.

Andy Hoffmann was on the market Sunday in the interests of George Waldbart.

The Eggeling Floral Co. is cutting some fine carnations at the Kinloch plant.

The Horticultural Society expects to have a fall show on a very grand scale.

Frank Bucksart has been working lately in the local forestry department.

H. Skelcher & Sons, Webster Grove, are sending in some nice cut pansies.

Miss May Burns is now in the employ of Ostertag Bros.

The St. Louis Seed Co. reports trade as good.

W. F.

### Urbana-Champaign, Ill.

The weather for Easter business was ideal and all report large sales. Gus Johnson reports business as far surpassing that of any previous Easter. Decorative work and cut flower deliveries kept his force at work until late Saturday, and work was resumed Sunday morning. The demand for carnations and lilies was far greater than the supply.

A crop of lettuce is being planted in one of the new experiment station greenhouses at the university. Chemical fertilizers in varying proportions are being used. Later in the season this house will be planted to roses. The carnations are blooming freely, the flowers being of good size and excellent quality.

The Experiment Station Department of Horticulture will carry on extensive spraying experiments the coming season. Lime and sulphur as a summer spray, will be given a thorough trial, and the Bordeaux mixture tests, which have been running for several years, will also be continued.

Large orders for carnations have been placed for election day, Tuesday April 5. From the local papers we note that several organizations are planning, to present every legal voter with a carnation.

Chas. Brash, for 10 years employed as grower in the University greenhouses, has resigned and accepted a position with Morgan, Adams & Co., at Paxton.

Thos. Franks & Son report a large increase over last year's business, both in cut flower sales and decorative work.

H. B. Dorner, secretary of the S. A. F. spent Easter Sunday with his parents at La Fayette, Ind.

ARNO H. NEHRING.

BELLINGHAM, WASH.—The Kersey Floral Co. reports a falling off in business at Easter of 20 per cent over that of last year at similar prices. There was not sufficient plants, but plenty of cut flowers, lilies, hyacinths and cyclamens being the best sellers.

EMPORIA, KANS.—A new greenhouse has just been completed at the corner of West street and Twelfth avenue, owned by the Emporia Floral Co. The greenhouse is 54x100 feet. It has 80,000 feet of glass exposure, with a concrete foundation reinforced with iron.



# Cut Flowers \* E. H. HUNT

FOR ALL OCCASIONS.  
FLORISTS' SUPPLIES TOO.

— SEND FOR PRICE LIST. —  
76 Wabash Avenue, CHICAGO.

Mention the American Florist when writing

## KYLE & FOERSTER,

W. P. KYLE.

51 Wabash Ave.,

CONSIGNORS SOLICITED.

Wholesale Florists.

L. D. Phone  
Randolph 3619.

JOSEPH FOERSTER

CHICAGO

## E. C. AMLING

THE LARGEST,  
BEST EQUIPPED,  
MOST CENTRALLY LOCATED  
WHOLESALE  
CUT FLOWER HOUSE  
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,  
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

## J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and  
Carnations  
A Specialty....

WHOLESALE  
GROWER of

## CUT FLOWERS

## WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given  
prompt attention.

51 Wabash Ave.. CHICAGO.

## Wholesale Flower Markets

CHICAGO, April 6.

|                                     |                                |
|-------------------------------------|--------------------------------|
| Roses, Beauty, extra select...      | 3 00                           |
| " " 36 in .....                     | 2 50                           |
| " " 30 in .....                     | 2 00                           |
| " " 18 in .....                     | 1 50                           |
| " " 15 in .....                     | 1 00                           |
| " " Short .....                     | 75                             |
| Per 100                             |                                |
| " Bride, Bridesmaid, select..       | 4 00@ 6 00                     |
| " " medium .....                    | 2 00@ 3 00                     |
| " Killarney, select .....           | 4 00@ 6 00                     |
| " " medium and short .....          | 2 00@ 3 00                     |
| " Mrs. Jardine .....                | 4 00@ 6 00                     |
| " Mrs. Potter Palmer .....          | 6 00                           |
| " My Maryland .....                 | 6 00                           |
| " Perle .....                       | 6 00                           |
| " Richmond .....                    | 4 00@ 6 00                     |
| " Uncle John .....                  | 6 00                           |
| " White Killarney, select .....     | 4 00@ 8 00                     |
| " " medium .....                    | 2 00@ 3 00                     |
| Carnations, select fancy .....      | 1 50@ 2 00                     |
| " common and splits .....           | 75                             |
| Callas .....                        | per doz., 1 50                 |
| Hyacinths, Roman .....              | 2 00@ 2 50                     |
| Lilium Harrisii .....               | per doz., 2 00 12 50           |
| Lily of the Valley .....            | 3 00@ 4 00                     |
| Mignonette .....                    | 3 00@ 8 00                     |
| Narcissus .....                     | 2 00@ 3 00                     |
| Orchids .....                       | per doz., 6 00@ 9 00           |
| Sweet Peas .....                    | 40@ 1 00                       |
| Violets .....                       | 35@ 50                         |
| Adiantum .....                      | per 1000, 1 50                 |
| Asparagus Plum, strings, each ..... | 60@ 75                         |
| " " sprays .....                    | 3 00@ 4 00                     |
| " Sprengeri .....                   | 3 00@ 4 00                     |
| Boxwood .....                       | per bunch, 25c. per case, 7 50 |
| Ferns .....                         | per 1000, 2 50                 |
| Smilax .....                        | 1 50                           |



POMONA, CALIF.—O. Roessner says his sales at Easter were about the same as those of last year, with prices a little better. There was plenty of plants, but cut flowers were a little scarce and the best call was for carnations.

## CHAS. W. McKELLAR,

51 Wabash Ave.  
CHICAGO.

## ORCHIDS

A Specialty

Fancy Stock in Peonies,  
Valley, Roses, Beauties,  
Carnations and a full line  
of all Cut Flowers, Greens,  
Wire-Work and Florists'  
Supplies.

Send for Complete  
Catalogue.

## POEHLMANN BROS. CO.

Wholesale Growers of and Dealers in

## Cut Flowers

All telegraph and telephone orders  
given prompt attention.

Greenhouses 32-37 Randolph St.  
MORTON GROVE, ILL. CHICAGO.

## Quality Counts..

Let us have your next order for  
**Roses and Carnations**  
and other Seasonable Flowers.

**JOHN KRUCHTEN,**

51 Wabash Ave., CHICAGO.

LANCASTER, PA.—Mrs. Elizabeth Hostetter, wife of Munroe Hostetter, of Manheim, was killed and her mother and sister-in-law seriously injured March 26 by being struck by the St. Louis express. They were driving home from market when the horse became unmanageable and bolted across the tracks in front of the engine.

## KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., Chicago  
L. D. Phone, Central 466.

We will have anything in the line of

## CUT FLOWERS and GREENS

that you may want if anybody has it, at  
Chicago market prices on day of shipment.

## A. L. Randall Co.

19-21 Randolph St.,  
CHICAGO.

L. D. Phone Central 1496. Private Exchange  
All Departments. If you do not receive our  
price list regularly send for it.

## Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO

Telephone, Central 3284.

BE YOUR OWN COMMISSION MAN

—AT THE—

## Flower Growers' Market

60 Wabash Ave., CHICAGO.

A Few Desirable Stands For Rent.

See JOHN SINNER, Manager.

## HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 51 Wabash Avenue CHICAGO



## American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

## Grafted and Own Root Rose Plants

Killarney, Richmond, My Maryland, White Killarney,  
(Waban strain), Kaiserin, Bride and Bridesmaid

Send for Prices

W. H. Elliott, Brighton, Mass.

## Rice Brothers

Wholesale Florists and Supplies,

115 N. 6th St., MINNEAPOLIS, MINN.

Cut Flowers received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities.

## THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

## Weiland & Olinger

128 E. Third S., CINCINNATI, O.

Wholesale Growers and Shippers of Cut Flowers.

Boston.

QUIET WITH PLENTY OF STOCK.

The week following Easter is generally apt to be quiet. This year was no exception to the rule. There has been plenty of stock of all kinds coming in since Easter and the trade has not been quite equal to the task of keeping the markets cleaned up. There is a little shortage of good cut lilies. Aside from this there is plenty of everything. Roses are coming in freely. Prices are lower and excellent values are offered. Beauties are down in price, quality fine. Violets are falling off considerably and the doubles are best. Some splendid carnations are coming in and seem to find a ready market. Bulbous stock is coming in heavily, but selling well. Sweet peas are coming in freely. The newer varieties do not sell as well as the older ones. Gardenias are coming in extremely heavy and prices are down. Orchids are still short. Valley is plentiful and selling poorly. Pansies, primroses, anemones, ixias, etc., are coming in plentifully and there is a most attractive variety for the buyers. Asparagus Sprengeri, A. plumosus and adiantum are in good demand and large quantities are disposed of daily. The plant trade has naturally fallen off since Easter, but there is still a lively business in small and desirable flowering stock.

NOTES.

The regular auction sales of plants by the N. F. McCarthy Co. begin April 5 and are held on every Tuesday and Friday. A fine lot of hardy roses, flowering shrubs and fancy evergreens will be offered at the early sales. These sales have been held for several seasons and are a fine medium for many growers to dispose of their surplus, as well as for consumers to pick up whatever they may require in the line of stock offered.

P. Carbone has closed his original Boylston street store and transferred all the stock to the larger and newer location. It is interesting to note the growth of this firm during the last few years. From rather a small basement store it has reached out until now one of the largest stores on the street is

## HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

## Wholesale Flower Markets

| BOSTON, April 6.      |    | Per 100  |
|-----------------------|----|----------|
| Roses, Beauty, best   | 25 | 00@30 00 |
| " " medium            | 15 | 00@20 00 |
| " " culls             | 5  | 00@10 00 |
| " " Bride, Bridesmaid | 1  | 00@4 00  |
| " " Extra             | 5  | 00@8 00  |
| Carnations            |    | 1 00     |
| selected              | 2  | 00@3 00  |
| Callas                | 8  | 00@10 00 |
| Cattleyas             | 35 | 00@50 00 |
| Lilium Longiflorum    | 8  | 00@10 00 |
| Lily of the Valley    | 2  | 00@3 00  |
| Smilax                | 12 | 00@16 00 |

| ST. LOUIS, April 6.       |    | Per 100  |
|---------------------------|----|----------|
| Roses, Beauty, long stems | 20 | 00@25 00 |
| " " medium stems          | 15 | 00@20 00 |
| " " short stems           | 4  | 00@6 00  |
| " " Bride, Bridesmaid     | 3  | 00@6 00  |
| " " Chatenay              | 3  | 00@6 00  |
| " " Killarney             | 3  | 00@6 00  |
| " " My Maryland           | 5  | 00@6 00  |
| " " Richmond              | 5  | 00@8 00  |
| Carnations                | 1  | 00@2 00  |
| fancy                     | 2  | 00@3 00  |
| Callas                    | 10 | 00@12 50 |
| Easter Lilies             |    | 12 50    |
| Jonquills                 | 1  | 50@2 00  |
| Sweet Peas                | 15 | @40 40   |
| Adiantum                  |    | 1 50     |
| Asparagus Sprengeri       | 2  | 00@3 00  |
| Smilax                    | 12 | 50@15 00 |

| CINCINNATI, April 6.          |    | Per 100  |
|-------------------------------|----|----------|
| Roses, Beauty                 | 1  | 00@4 00  |
| " " Bride Bridesmaid          | 2  | 00@6 00  |
| " " Golden Gate               | 2  | 00@6 00  |
| " " Killarney                 | 2  | 00@6 00  |
| " " Richmond                  | 2  | 00@6 00  |
| Carnations                    | 1  | 00@3 00  |
| Callas                        |    | 10 00    |
| Daffodils, outdoor            |    | 50 50    |
| Daisies                       |    | 3 00     |
| Hyacinths, Miniature Dutch    |    | 4 00     |
| " " Roman                     |    | 3 00     |
| Lilium Longiflorum            |    | 12 50    |
| Lily of the Valley            | 3  | 00@4 00  |
| Narcissus, Paper White        |    | 3 00     |
| Sweet Peas                    | 50 | @75 75   |
| Tulips                        | 3  | 00@4 00  |
| Adiantum                      | 1  | 00@1 50  |
| Asparagus Sprengeri, per bch. | 25 |          |
| Smilax                        | 12 | 50@20 00 |

| MILWAUKEE, April 6.      |             | Per 100  |
|--------------------------|-------------|----------|
| Roses, Beauty            | 6           | 00@40 00 |
| " " Bride Bridesmaid     | 3           | 00@8 00  |
| " " Killarney            | 4           | 00@8 00  |
| " " Liberty, Chatenay    | 2           | 00@8 00  |
| " " Perle                | 3           | 00@6 00  |
| " " Richmond             | 4           | 00@8 00  |
| Carnations               | 1           | 00@3 00  |
| Lilium Giganteum         |             | 10 00    |
| Lily of the Valley       |             | 4 00     |
| " " Trumpet Major        |             | 3 00     |
| " " Von Sion             |             | 3 00     |
| Sweet Peas               | 50          | @1 00    |
| Tulips                   | 2           | 00@3 00  |
| Violets                  | 50          | @75 75   |
| Adiantum                 |             | 1 50     |
| Asparagus                | per string, | 50@ 60   |
| " " Plumosus, per bunch, |             | 50 35    |
| " " Sprengeri,           |             | 35 35    |
| Ferns, Fancy             | per 1000    | 2 50     |

none too big to accommodate the extensive stock.

The pink snapdragon coming from S. Goddard, of Framingham, is about the finest we have seen for a long time. Salesman Pegler has no difficulty in placing it as fast as the shipments arrive.

The many friends of Chas. F. Boyle will be glad to hear that he is improving. It was thought best to re-

—THE—

J.M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES  
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Mention the American Florist when writing

## H. G. BERNING,

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

## C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

## WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Supplies and Everything in Season always on hand

## William Murphy,

Wholesale Commission  
FLORIST

311 Main Street, CINCINNATI, OHIO.

move him to the hospital in order that he would be sure to get every attention.

Arbutus is coming in again and the few dealers who are receiving shipments are getting regular retail prices. It will not be long before every street dealer will be handling it.

The Thomas F. Galvin Co. is exploiting a new carnation, Mrs. Clarence W. Barron. It is a fine flower, after the style of Prosperity.

The violet growers are dropping out one by one and many of them take up cucumbers for a summer crop.

R.



Roses

Our stock of Roses is hard to beat for quality. Our growers are in with heavy crop, and a large supply insures best selection. Our leaders are

PINK and WHITE KILLARNEY,    MARYLAND.

RICHMOND,    KAISERIN.

THE LEO NIESSEN CO.,

Business Hours: 7 a. m. to 8 p. m.

Wholesale Florists,    1209 Arch Street, Philadelphia, Pa.

The McCallum Co., Inc.

Exclusive Agents For

BECKERT'S SPANISH IRIS

Blue Now

Yellow—White Next Week.

937 Liberty Avenue,

PITTSBURG.

Pittsburg Florists' Exchange

Wholesale Cut Flowers

Everything Seasonable

Headquarters for Ferns, Galax, Leucothoe and Wild Smilax, and carry a large supply of the best on hand at all times. We quote the following interesting prices on small or large quantities.

Ferns, fancy and daggers, \$1.25 per 1000

Galax, green and bronze 65c per 1000.

Leucothoe, green and bronze 65c per 100.

Wild Smilax, large cases, \$4.50 per case.

15 Diamond Square, PITTSBURG, PA.

Pittsburgh Cut Flower Co.,

Wholesale Florists and Growers,

The House that has and sells good goods at fair prices.

Salesrooms, 222 Oliver Ave.    PITTSBURGH, PA.

Choice Assortment of CUT FLOWERS will be found here.

WRITE FOR PRICES.

W. E. McKissick & Bros.

WHOLESALE FLORISTS.

Business Hours 7 a. m. to 8 p. m.    1619-1621 Ranstead St., PHILADELPHIA, PA.

Absolutely The Best Possible Service.

hiladelphia.

A QUIET TIME.

The people who were so eager for plants and flowers in Easter week appear to have been satiated and for the time being have retired; at least so it seemed last week, as business with the exception of a few weddings, was very light and flowers were piled up in the commission houses to an alarming extent. American Beauty roses have come in with a rush and from having to canvas several houses to get a dozen, we can now get them by the hundred or even thousand for that matter at buyers' prices. Much of the stock is very fine. Almost everything else is very abundant, carnations particularly so. Southern daffodils are seen in quantity, many of them carrying badly on account of the warm weather. Lupins and snapdragon are also fine and plentiful and make show vases for window decoration. Sweet peas are selling as well as anything and are of excellent quality. There are great stocks of Easter lilies. All the growers, it would appear, had a lot that did not quite make Easter and the continued warm weather has brought them all in at once, so that prices rule very low.

NOTES.

Jacob Becker sold his Forty-ninth and Chestnut street property last week for a price close to \$65,000. About 15 years ago he purchased the ground for \$20,000 and has used the same for his business, erecting greenhouses and frames, etc., ever since. A real estate operator is the buyer and will improve it with the erection of handsome dwellings in the near future. Mr. Becker is to be congratulated on his foresight and the excellent return from his investment.

The annual opening of the city legislature, when newly elected members are seated, occurred last Monday, and there was the usual display of flowers and flowering plants that made the chambers look like a horticultural exhibition. All the trade benefited, wagons from all parts of the city being

Wholesale Flower Markets

| PHILADELPHIA, April 6.                |             | Per 100 |
|---------------------------------------|-------------|---------|
| Roses, Beauty, extra.....             | 35 00@50 00 |         |
| "    "    first.....                  | 15 00@20 00 |         |
| "    Brides and Maids.....            | 6 00@10 00  |         |
| "    Tea.....                         | 6 00@10 00  |         |
| "    extra.....                       | 12 00@20 00 |         |
| Carnations.....                       | 4 00@ 6 00  |         |
| Cattleyas.....                        | 50 00@75 00 |         |
| Lilium Harrisii.....                  | 12 00@15 00 |         |
| Lily of the Valley.....               | 4 00@ 5 00  |         |
| Mignonette.....                       | 4 00@ 5 00  |         |
| Sweet Peas.....                       | 75@ 1 00    |         |
| Violets, single.....                  | 75@ 1 00    |         |
| double.....                           | 75@ 1 00    |         |
| Smilax.....                           | 15 00@20 00 |         |
| Daffodils.....                        | 2 00@ 3 00  |         |
| Tulips.....                           | 2 00@ 5 00  |         |
| Asparagus.....                        | 1 00@ 1 50  |         |
| Callas.....                           | 12 00@15 00 |         |
| PITTSBURG, April 6.                   |             | Per 100 |
| Roses, Beauty, special.....           | 25 00@40 00 |         |
| "    "    extra.....                  | 15 00@20 00 |         |
| "    "    No. 1.....                  | 8 00@12 00  |         |
| "    Bride, Bridesmaid.....           | 2 00@ 6 00  |         |
| "    Chatenay.....                    | 2 00@ 6 00  |         |
| "    Killarney.....                   | 2 00@ 6 00  |         |
| "    My Maryland.....                 | 2 00@ 6 00  |         |
| "    Richmond.....                    | 2 00@ 6 00  |         |
| Carnations.....                       | 1 50@ 3 00  |         |
| Callas.....                           | 8 00        |         |
| Cattleyas.....                        | 50 00@60 00 |         |
| Daffodils.....                        | 1 00@ 3 00  |         |
| Gardenias.....                        | 35 00@50 00 |         |
| Lilac, white.....per bunch, 1 00@1 50 |             |         |
| Lilium Longiflorum.....               | 10 00       |         |
| Lily of the Valley.....               | 4 00        |         |
| Mignonette.....                       | 4 00        |         |
| Narcissus.....                        | 3 00        |         |
| Pansies.....                          | 1 00        |         |
| Primroses.....                        | 50@ 75      |         |
| Sweet Peas.....                       | 50          |         |
| Tulips.....                           | 3 00        |         |
| Violets, double.....                  | 50@ 75      |         |
| single.....                           | 25@ 50      |         |
| Adiantum.....                         | 1 50        |         |
| Asparagus Sprengeri, per bunch.....   | 50          |         |
| strings.....per string, 50            |             |         |
| "    sprays.....per bunch, 50         |             |         |
| Smilax.....                           | 15 00       |         |

shown in the excellent paper of Henry I. Faust, of Merion, his subject being "All About the Easter Lily." K.

Boston Notes.

A. N. Pierson & Co., of Cromwell, Conn., is sending out some fine cattleyas and gardenias. There are so few good cattleyas to be had that they are welcomed by the store men who are lucky enough to secure them.

Sim's sweet peas keep pouring into the market. There seems to be no limit to the quantity or variety of colors. This has been the most successful season Mr. Sim has ever had.

The favorable weather of the last week has stimulated outside work, and stores in town, which specialize in gardening, etc., report the orders as coming in in good shape.

H. M. Robinson & Co. report business as being fair since Easter, the local trade being a little off, while the out-of-town business held up well.

John Jansky, the newest of our wholesale dealers, had a most successful Easter and is making plans already for Decoration day.

This has been ideal weather for the street men and the market has been helped wonderfully by the outlet afforded by them. R.

LORAIN, O.—There was a good demand for Easter flowers and plants with prices about the same as last year.

SPRINGFIELD, O.—Arrangements are being made for a big fall flower show by the Florists' Club, who have placed Roger Murphy, C. L. Reese, C. P. Bethard, John M. Good and Geo. D. Leedle in charge. Members of the club have pledged their support and the Y. W. C. A. has promised to co-operate, so a successful show is expected. A premium list is in preparation, and local amateurs and out-of-town florists are invited to exhibit.

lined up around the city hall just prior to the opening.

The April meeting of the Florists' Club held last Tuesday evening was well attended and much interest was





Frank H. Traendly.



Walter F. Sheridan.



Chas. Schenck.

DENIZENS OF THE HISTORIC RIALTO WHO WILL MOVE SHORTLY.

## New York.

## A GLUTTED MARKET.

The weather of the past week had a telling effect on the business. It was very fine, several days being unseasonably warm, and flowers bloomed by the millions. In the wholesale district there was an unprecedented glut and demoralization of prices. The business of the week was largely an effort to unload stock for whatever was offered and in some cases there were no offers. When Killarney roses are bunched, regardless of grades, the specials going with the tailings, and sold for \$15 per 1,000, we call that cheap. This is but one of the many instances of slaughter, and has been paralleled in nearly every line of stock. The retail stores have been buying very light and it may as well be acknowledged that nothing but the industry of the street men prevented conditions from being intolerable. However, there is said to be a silver lining to every cloud. Present conditions cannot last long, at least if they do, all precedents will be broken. In the meantime, everybody in the wholesale district is showing remarkable self-control, and trying to look pleasant.

## NOTES.

A movement which may eventually work great changes in the wholesale district has been started by Traendly and Schenck and Walter F. Sheridan. As is generally known, the wholesale business has heretofore been largely concentrated in Twenty-eighth street, between Broadway and Sixth avenue. On or about May 1 the above mentioned firms will remove to the ground floor of a new and large building, 131-133 West Twenty-eighth street, and west of the avenue. They will there have much more commodious and convenient quarters than at their present locations and there can be no doubt that trade will follow them. Aside from any personal considerations, it can be said that Traendly, Schenck and Sheridan have established reputations for handling good stock and for fair dealing. They have been active, not only in their own business, but along all lines that tend toward the advancement of horticulture. They are yet comparatively young men and we trust that by these changes their field of prosperity and usefulness may be broadened. When

# Surplus Stock

## LILIUM AURATUMS

8-9-in. (130 in a case) ..... \$ 4.50 per case

## LILIUM SPECIOSUM ALBUMS

8-9-in. (220 in a case) ..... \$13.00 per case

## CYCAS STEMS

¾ lb. (300 lbs. to a case)..... 16.50 per case

Prices f. o. b. New York. Sold only in case lots.  
Stock limited. Order at once.

## BAMBOO STAKES

Natural and green. Various sizes always on hand.

**Yokohama Nursery Co., Ltd.**  
31 Barclay St., NEW YORK

these firms go west of the avenue there will be quite a colony on that side. J. K. Allen, Guenther Bros. and the Kervan Co. are already there and there are rumors that others will soon locate in so congenial a neighborhood.

The Aphine Mfg. Co. announces another demonstration of its preparation under the auspices of the Nassau County Horticultural Society at its next meeting at Pembroke hall, Glen Cove, Long Island, April 13, between three and six p. m. Growers are requested to submit insect-infested plants for experiment.

Dull as the cut flower business is, there is great activity in plants. The auction houses seem to be doing a good business and the wagons of the plant vendors are daily features on the streets. Impromptu plant stores now seem to spring up like Jonah's gourd, in a night.

It is stated that the home of Louis Schmutz, of 131 Clarkson street, Brooklyn, was entered by a robber on the night of March 28, and \$1,700 in cash taken.

Chas. Millang, who has been confined to his home by illness for the past two weeks, is reported to be rapidly improving.

ATLANTIC CITY, N. J.—The city council has voted an expenditure of \$3,000 to establish flower beds at the ends of certain avenues as a part of the "city beautiful" plan.

TRENTON, N. J.—The five-story Ribsam building, the lower floor of which was occupied by Martin Ribsam, was completely gutted by fire March 30. The loss is estimated at \$50,000.

ELMIRA, N. Y.—The Moore, Hentz and Nash cup won by the United States Cut Flower Co. at the New York flower show recently, is now on exhibition in the window of a local jeweler.

SCRANTON, PA.—Excavation for the foundations of the Cleland greenhouse (presented to the city by John Cleland) at Nay Aug park commenced March 28. It is intended to have it completed by July 1.

BROOKLYN, N. Y.—Joseph Proval did not sail for Europe March 30, as he intended. When he went to bed Tuesday night he had nearly \$1,000 in his pockets, but during his sleep a burglar, whom the police think knew of the money, broke in and made a "clean getaway."







**George Cotsonas & Co.**Wholesale and Retail Dealers  
in all kinds of**Evergreen**Fancy and Dagger  
Ferns, Bronze and  
Green Galax.  
Phone 1202 Mad. Sq.

Main Store, 50 W. 28th St., NEW YORK.

**New Crop Ferns**FANCY and DAGGER ready May 1st.  
Special price for large orders  
Price \$1.25 per 1000.CALDWELL THE WOODSMAN CO.,  
Evergreen, Alabama**WHOLESALE PRICE LIST**GALAX, FERNS AND LEUCOTHOE  
Direct from the woods to the dealer.

|                                                  |          |
|--------------------------------------------------|----------|
|                                                  | Per 1000 |
| Galax green and bronze.....                      | \$0.50   |
| Ferns, dagger and fancy.....                     | 1.00     |
| Green Leucothoe Sprays, regular lengths....      | 2.00     |
| Green Leucothoe Sprays, 10 to 15-in.....         | 1.00     |
| Special prices on lots of 1000.0 and up.         |          |
| Terms strictly cash. f. o. b. Elk Park N. C.     |          |
| North Carolina Evergreen Co., Banfers Elk, N. C. |          |

Providence, R. I.

Business was larger this Easter than that of last year. The weather was splendid, and, barring some dust and a sometimes brisk wind, there was nothing to it but praise. Carnations and roses went slow, same as last year's experience. Violets sold out completely all over town, and orders kept coming in up to closing time on Sunday. Easter lilies went fine at 25 cents per bloom and bud. Bulb stock had a large call, especially in fine tulips and select daffodils in pans. Azaleas were in great condition and were eagerly sought by those who had the price. The small customer does not have much use for azaleas so far as purchasing is concerned. Everyone in the trade had the appearance of a clean-up. Prices on everything were firm, and there was plenty of all stock excepting violets, which had a phenomenal sale. The latter flower was the only one which brought good prices, comparatively speaking. The wholesale cost was low, but the retailer had to get a good figure on account of other cut flowers being slow sale. It was the most satisfactory Easter in recent years from a weather, price, delivery and stock point of view.

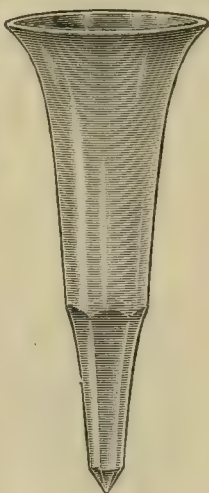
M. M.

Baltimore.

TRADE DULL.

Business has not been very brisk since the plethora of Easter, as was naturally to be expected. A great deal of stock, of all varieties, which notwithstanding the warm weather, failed to come out in time for that holiday, made its appearance a few days later, leading to a congestion of the market, notwithstanding a good many weddings and the social festivities which, as usual, followed on the heels of the great spring festival.

The excessively high temperatures have abated, but the mercury marks more than normal, and the fruit trees and shrubbery is pushing rapidly into bloom. On every side apprehensions are expressed of the loss which is likely to be involved if a severe frost occurs later. The whole of March was more like June in this latitude, the thermometer reaching 83°. If the old saying that "a peck of March dust is worth a king's ransom" is true there ought to be a world of fertility in the dust which now lies on

**Clara Cemetery Vase**

MADE OF SOLID MOULDED GLASS

12 inches high, with wide flaring mouth.  
Can be supplied in green or white.  
Doz., \$2.50; barrel of 3 doz., \$6.00,  
f. o. b. Chicago.**Vaughan's Seed Store,**

CHICAGO:

84-86 Randolph St.

NEW YORK:

25 Barclay St.



FANCY



DAGGER

**New Crop Hardy Cut Ferns**

First Quality, \$1-25 per M.

ALSO DEALERS IN

**Baled Spruce for Cemetery Use**

BOUQUET GREEN, SPHAGNUM MOSS, Etc.

**L. B. BRAGUE & SON,**Oldest, Largest and  
Most Reliable Dealers  
in the United States.

Hinsdale, Mass.



FANCY.

**Henry M. Robinson & Co.**

Wholesale Commission Florists.

**Cut Flowers** of all kinds, **Hardy Cut Evergreens and Florists' Supplies.**

|                              |                                  |
|------------------------------|----------------------------------|
| Dagger and Fancy Ferns ..... | \$1.50 per 1000                  |
| Bronze and Green Galax ..... | \$1.00 per 1000; 8.50 per 10 000 |
| Leucothoe Sprays .....       | \$1.00 per 100; \$7.50 per 1000  |

Southern Wild Smilax, Branch Laurel, Laurel Festooning,  
Green and Sphagnum Moss, Boxwood Sprays,

A large stock constantly on hand. Can fill orders at a moment's notice, Telephone or telegraph.

Telephones: 2617-2618 Main; Fort Hill 25290.  
15 Province Street and 9 Chapman Place,**BOSTON, MASS.****FANCY FERNS,** \$2.00 per 1000

|                                         |                                       |
|-----------------------------------------|---------------------------------------|
| New Crop Galax, Bronze or Green.....    | \$1.25 per 1000; 12.000, \$7.50       |
| Sphagnum Moss, large bales .....        | \$1.25; 6 bales, \$7.00. Extra fine   |
| Leucothoe Sprays, Green and Bronze..... | \$1.00 per 100; \$7.50 per 1000       |
| Boxwood.....                            | per bunch, 35c; 50-pound case, \$8.50 |

Florists in the Middle and Western States can save money  
by placing their orders with us. A trial order solicited.**MICHIGAN CUT FLOWER EXCHANGE, Inc.**

Wholesale Commission Florists and Florists' Supplies,

38-40 Broadway,

All phone connections.

DETROIT, MICH

the roads or blows over the fields. Practically no rain has fallen for four weeks, and in some localities the soil is so hard it is impossible to plow. Wells and springs continue very low, the rain falling in the winter running off without penetrating the lower strata. There seems to be some general law of equilibrium in these things, but it is hard to say just when the cycles begin or end, and a good deal of uneasiness is felt by farmers and gardeners lest we have another season of drought like that of last summer.

Richard Vincent, Jr., with his wife and daughter, are about starting on a trip to Great Britain and the European continent. His health has not

Perpetuated and Natural Sheet

**MOSSSES**

Southern Wild Smilax:

E. A. BEAVEN,

Evergreen, Ala.

Mention the American Florist when writing

been very good of late and hopes for improvement following a sea voyage and a period of rest from business cares, but his eye will be open for the latest development in the line of geraniums, of which his enterprising and extensive firm makes so great a specialty.

S. B.



# DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

**Alexander McConnell,**

571 Fifth Ave., Windsor Arcade,  
NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL  
Western Union Code.

Cleveland, O.

**The Cleveland Cut Flower Co.**

Will fill your orders for designs and cut flowers in  
NORTHERN OHIO.

Dayton, O.

**Matthews,**

—FLORIST—  
16 W. 3rd Street.

Flowers in any arrangement for all occasions,  
for Dayton and vicinity. Long dis. Phones

St. Paul, Minn.

**HOLM & OLSON,  
ST. PAUL.**

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in  
MINNESOTA AND THE DAKOTAS.

Los Angeles, Calif.

**J. W. Wolfskill,  
FLORIST.**

Telegraph Orders  
A Specialty. 218 W. 4th St.

St. Paul, Minn.

**L. L. MAY & CO.**

Order your flowers for delivery  
in this section from the

Leading Florists of the Northwest

San Francisco, Calif.

**J. B. BOLAND**

Successor to Sievers and Boland,  
FLORIST

60 KEARNEY STREET.

Atlanta, Ga.

**Atlanta Floral Co.**

41 Peachtree Street.

Pittsburg, Pa.

H. L. BLIND & BROS.,

Two Stores: Liberty Av. & 5th St. 5424 Center Av.  
Greenhouses: West View.

New York.

Established 1874.

**DARDS**

N. E. Corner 44th St.  
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Mention the American Florist when writing

Toronto.

EASTER A RECORD BREAKER.

Easter business was the best ever experienced in this vicinity. The weather conditions were ideal, with hardly any frost, which greatly facilitated delivery. Flowers of all kinds, with the exception of American Beauty and Richmond roses, were plentiful, and with a great quantity of flowering plants and bulbous stock, the store men did not suffer for lack of variety. Lilies were more than plentiful; in fact, they seem to have been greatly overdone, for many were sold for \$5 per 100 and lower.

The retailers all took advantage of the splendid stock offered and some very fine windows were seen, the idea being more to show the general stock handled than to make a specialty of any one thing. Dunlop's showed a very fine window of lilacs and rhododendrons, nicely decorated, and had some very choice baskets of flowers. J. S. Simmons had lilacs, azaleas and Adiantum Farleyense. Tidy & Son had baskets and miscellaneous stock; Dille-muth had lilacs, lilies and orchids. The heaviest demand was experienced in violets and valley, high price roses and carnations seeming to lag somewhat. Frank Dufford had a nice lot of lilacs and rambler roses. Trethewey Model Farm had a nice cut of bulbous stock and Beauty of Nice stocks. Grobba & Wandrey had a fine lot of cattleyas and bulbous stock, and their made-up arrangements were much in demand. Albert Houle had some very long stem sweet peas, the finest in this locality for the season.

The majority of the violets came from Wm. Fendley, of Brampton. These have been planted in the solid ground and houses built over them; the advantage of this method of growing violets was here demonstrated, for, although the majority of growers are now through cutting, Mr. Fendley still has them in quantities and the strength of stem and size of bloom are equal to those in mid-season.

Visitors: Wm. Gammage, London;  
E. Dale, Brampton.

H. G. D.

Gladstone, Minn.

Local gardeners recently spent a day at the Minnesota State farm. The greenhouses are in good order, a little of everything being grown. The afternoon was spent with Professor S. B. Green, who spoke on "Plant Diseases and Remedies."

F. C. Schletty has been adding more glass and is going in for bedding stock and other plants.

S.

Detroit, Mich.

**John Breitmeyer's Sons**

Corner Miami and Gratiot Avenues.

Artistic Designs.  
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Kansas City, Mo.

Geo. M. Kellogg Flower and Plant Co.,  
906 GRAND AVE.

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

Terre Haute, Ind.

**John G. Heinel & Son,**

129 South Seventh St.

Telephone 247.

We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

Pittsburg, Pa.

**A. W. SMITH CO.**

KEENAN BLDG.

Largest Floral Establishment in America  
Established 1874. Incorporated 1909.

Rochester, N. Y.

**J.B. KELLER SONS,**

FLORISTS.

25 Clinton Avenue, N.

Rochester Phone 506. Long Dis. Bell Phone 2169

*M.A. Rowe*

IN HEART OF NEW YORK CITY

Phone 2270 38th St. 1294 Broadway  
Our Motto—THE GOLDEN RULE

Kansas City, Mo.

**Samuel Murray**

..... FLORIST .....

1017 Broadway Coates House  
Both Phones 2670 Main. Conservatory

Write, Telephone or Telegraph, All orders given prompt attention.

Louisville, Ky.

Established 1880.

**M. D. REIMERS**

'Successor to Chas' W. Reimers'

.....329 Fourth Avenue



## DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place,  
L. D. Phone 558 Lake View.  
Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Chicago.

HAUSWIRTH FLORIST

Auditorium Annex.

Mail, Telegraph or Telephone Orders Filled  
Promptly in Best Style.

Cincinnati, O.

JULIUS BAER,

138-140 E. Fourth St.  
Long Distance Phone.

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838— CANAL ST.

Savannah, Ga.

JOHN WOLF,  
Wholesale and Retail  
FLORIST.

Kalamazoo and  
Battle Creek, Mich.

H. A. FISHER CO.

Wholesale and Retail Florists.

We Handle Everything in Season.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper  
care of your orders in Wisconsin.

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled  
promptly with the choicest stock.

Washington,

D. C.

14th and H Streets.

*Blackstone*  
Baltimore, Md.

Also

1601 Eutaw Place,

Baltimore, Md.

Lockport, N. Y.

The four days preceding Easter were warm and bright, thereby bringing out the people and increasing trade. The retailers who rented stores on Main street during Easter week did the largest business in the history of the trade. The wholesale carnation growers of this county, whose weekly output is about 27,000 flowers, were dissatisfied last year with their returns from Buffalo. This year they split their shipments and sent most of their crop to other cities, with the most gratifying financial results.

## NOTES.

Fred Lewis will increase his greenhouses. He has had the material on the ground and intended to erect last fall, but, on account of other work, was unable to carry out his plans.

D. T. McCarthy & Sons will build a propagating house as an addition to their large plant.

White Bros. contemplate building a greenhouse, 40x175 feet.

NIAGARA.

Portland, Me.

All report a good Easter trade, a few increasing their sales over last year. The supply of flowers and plants were equal to the demand.

E. J. Hammond Co. made a fine display in its new store, showing good stock not seen in other stores. They are to be congratulated on securing such fine quarters for their business.

A.

## Steamship Sailings.

FROM NEW YORK EXCEPT AS NOTED.

April 12.

Noordam, Holl.-Amer., 10 a. m., Hoboken Pier.  
FROM BOSTON, Ivernia, Cunard, 12 noon, Boston Pier, Cunard Wharf.

April 13.

Mauretania, Cunard, 9 a. m., Piers 54 & 56, North River.  
FROM BALTIMORE, Hanover, No. Ger. Lloyd, 2 p. m., Pier 9, Locust Pt.

April 14.

Pannonia, Cunard, 12 noon, Piers 54 & 56, North River.  
La Provence, French, 10 a. m., Pier 42, North River.

April 15.

FROM ST. JOHN, Virginian, Allan.  
FROM PHILADELPHIA, Marquette, Red Star, 10 a. m.

April 16.

California, Anchor, 12 noon, Pier 64, North River.  
Calabria, Anchor, Pier 64, North River.  
St. Louis, American, 10 a. m., Pier 62, North River.  
Caronia, Cunard, 10 a. m., Piers 54 & 56, North River.  
Mexico, French, Pier 84, North River.  
La Gascogne, French, 10 a. m., Pier 42, North River.  
Vaderland, Red Star, 11 a. m., Pier 59, North River.  
Baltic, White Star, 12 noon, Piers 60 & 61, North River.  
K. Augusta Victoria, Ham.-Amer., 12 noon, Hoboken Pier.  
Barbarossa, N. Ger. Lloyd, 11 a. m., Hoboken Pier.  
FROM ST. JOHN, Lake Manitoba, Can. Pacific.

Brooklyn, New York.

“WILSON”

3 and 5 Greene Ave. and 339 to 347 Greene Ave  
Greenhouses: Short Hills, N. J.

— Deliveries in —

NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

New York.

MYER, FLORIST,

609-611 Madison Ave.

Phone 5297 Plaza.

Indianapolis, Ind.

Bertermann Bros. Co.

FLORISTS

.....241 Massachusetts Ave.

Omaha, Neb.

Hess &amp; Swoboda

FLORISTS.

1415 Farnum St. TELEPHONES 1501 and L 1583

Denver, Colo.

The Park  
....Floral Co.

J. A. VALENTINE, President.



WASHINGTON

D. C.

Gude's

Washington, D. C.

Geo. C. Shaffer,

::: FLORIST :::

Phone 2416 Main 14th & Eye Sts., N. W.  
Write, Telegraph or Telephone.

The Florists' Market Place,  
Our Ready Reference Ad. Dept



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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Kansas City, Mo.

**WILLIAM L. ROCK,**  
Flower Co.,  
Will carefully execute orders for  
Kansas City and any town in  
Missouri, Kansas or Oklahoma.

Mention the American Florist when writing

St. Louis, Mo.,

Write, Wire or Phone Your Orders to

**YOUNGS**  
1406 Olive Street,  
Regular discount allowed on all orders, either  
Plants or Cut Flowers.  
Phones Bell, Main 2306, Kinloch, Central 4981  
Mention the American Florist when writing

New York.

Established 184

**David Clarke's Sons**  
FLORAL DECORATORS  
2139-2141 Broadway  
Telephones: Choice Cut Flowers  
1552-1553 Columbus.

Lansing, Mich.

**Gurdon B. Smith**  
Covers all Points in Michigan. Best of  
Shipping Facilities in all Directions.  
Always has the best of Everything.



**Seattle,**  
**Wash.**  
**L. W. McCOY**

**Anderson, S. C.**  
**THE ANDERSON FLORAL CO.**  
533 MARSHALL AVE.

SAGINAW, MICH.—Prices and trade with the Wm. Roethke Floral Co. were about the same at Easter this year as last, with plenty of stock of all kinds. Plants, with the exception of bulb stock, all sold well and carnations were the best sellers in cut flowers. The fine weather made it easy to handle plants, but prices were cut by some dealers.

MONTREAL, QUE.—P. McKenna & Son say their sales at Easter showed an increase over those of last year at lower prices. There was plenty of everything to be had, but the quality was not as good as usual. Rambler roses, lilies, rhododendrons and lilacs sold better than spireas and primulas. In cut flowers, Beauties, valley, violets and orchids had the call over bulb stock and sweet peas. Many of the best society people were in New York for Easter or sales would have shown a bigger increase.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS  
Best Quality on Shortest Notice  
**DANIELS & FISHER**  
Order by mail, telephone, telegraph or  
cable. Cable address "Daniels, Denver"

Toronto, Can.

Canada's best known and most reliable florist

Only the **Dunlop's**  
Best  
96 Yonge Street.  
We deliver anywhere in Canada and guarantee  
safe arrival.

Pittsburg.

It seems as though quite a number of lily growers missed Easter by the number of lilies now seen on the market. They came in with an unexpected rush at Easter and have been coming some ever since. The worst part of it is that no price, no matter how low, tempts a buyer. Roses and carnations have just held their own, with prices about as low as it is possible to quote. Beauties, valley and red roses are the only things that move lively. Violets are on their last legs and their end is near; the nice spring weather causes the people to ask for sweet peas instead. Indoor tulips and daffodils are almost a thing of the past. The southern daffodils are here in quantity but give little satisfaction. Spanish iris is a welcome addition which the exclusive stores appreciate. The green market which had been short all winter is now long and then some. Wild smilax is not dependable any more.

NOTES.

The Beckett Co., of Coraopolis, who make a specialty of novelties, is consigning the McCallum Co. a nice line of odd color varieties of tulips and Spanish iris.

E. Harney, formerly with Faulk & Furnier, is now on the decorative staff of Randolph & McClements.

P. J. Demas states that if he can find time he expects to take a vacation to Greece this summer.

Geo. L. Huscroft, Steubenville, O., is on a northern trip touching Buffalo and Albany, N. Y.

John Harris was missed around the wholesale houses for a few days on account of sickness.

The Pittsburg Cut Flower Co. is supplying a lively demand for yellow daisies.

Lilies and carnations are headliners at the Pittsburg Florists' Exchange.

Mrs. J. Elicker, Homestead, has moved to her new location.

J. G. Neville, East Liverpool, O., was a recent visitor.

J.

OSWEGO, N. Y.—P. G. Campbell has moved to his new store on the Lackawanna dock north of the lower bridge.

SAN FRANCISCO, CALIF.—A petition in voluntary bankruptcy was filed March 24 by Alexander Mann, Jr., with liabilities \$3,062, and no assets.

GREENVILLE, S. C.—A committee of ladies representing the two civic associations held a meeting recently at the residence of Mrs. A. A. Bristow, to make plans for the chrysanthemum show which will be held here early in November.

New York.

  
**FLORAL CO.**  
We Guarantee Satisfaction  
413 Madison Ave. cor. 48th St.

  
**Hoffman**  
FLORIST  
59-61  
Massachusetts Ave.  
for Commonwealth Ave.  
BOSTON.

Albany, N. Y.

**EYRES,**  
Flowers or Design Work.  
Delivered in Albany and Vicinity on  
Telegraphic Order.  
11 NORTH PEARL STREET.

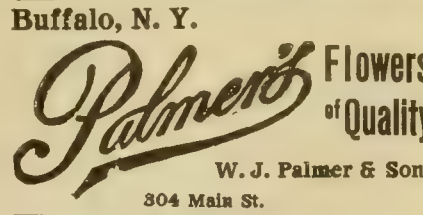
Boston, Mass.

Send flower orders for delivery in  
**Boston and all  
New England Points**  
To THOS. F. GALVIN, Inc.,  
124 TREMONT ST.

THE J. M. GASSER COMPANY,

**CLEVELAND, O.**  
We Cover All Points in Ohio.

Buffalo, N. Y.

  
W. J. Palmer & Son.  
304 Main St.

Louisville, Ky.

**JACOB SCHULZ,**  
550 So. Fourth Avenue.

Colorado Springs, Colo.

**FRANK F. CRUMP,**  
Wholesale and Retail Florist.

MICHIGAN.

Orders will be carefully  
cared for by  
**HENRY SMITH,**  
Wholesale and Retail Florist of GRAND RAPIDS

**GEO. A. HEINL,** Leading Florist,  
TOLEDO, OHIO.  
All Orders Promptly Executed.



## The Seed Trade.

### American Seed Trade Association.

J. C. Robinson, Waterloo, Neb., Pres.; M. H. Duryea, New York, First Vice-Pres.; F. W. Bolgiano, Washington, D.C., Second Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.; Leonard H. Vaughan, Chicago, Asst. Sec'y. Twenty-eighth annual convention, at Atlantic City, N. J. June 21, 1910.

ERNST BENARY, of Erfurt, has issued a fine new colored plate of glxoinias.

CHICAGO.—Contract prices on the board of trade April 6 for grass seed were noted as follows: Timothy, \$4.60 nominal. White clover, from 20 cents to 25 cents.—Visitor: H. Frank Darrow, New York.

EVANSVILLE, IND.—Local seedsmen report that the sales were larger on Holy Thursday this season than that of any in the past 25 years. The fine weather has induced many to plant early this year.

Two days' continuous rain has broken the extended drought in the French bulb growing districts and brightens the prospects very much, but notwithstanding this, the price of white Romans is expected to be high.

VENTURA, CALIF.—Advices of March 29 show this section has had an inch and a half of rain, which was very much needed for getting the ground into proper condition for planting beans. Growers now claim to have plenty of moisture to mature the crop which will be planted about May 1, and everything looks favorable for a good yield of beans here this season.

NEW YORK.—A new corporation, under the name of "Buds," will be a factor in the seed trade of this city. Carl Gloeckner is president and Wm. H. Siebrecht, Jr., secretary. This concern will open a store at 76 Barclay street on April 11. Carl Gloeckner has been with J. M. Thorburn & Co. for 17 years and knows the seed business thoroughly. Wm. H. Siebrecht, Jr., is a son of Wm. H. Siebrecht, the well-known specialist in lily of the valley and bulbous stock, of Astoria, L. I. The junior, in addition to being a trained horticulturist, is a good lawyer. It is the purpose of this firm to deal in the best stocks of seeds, bulbs and plants. Mr. Gloeckner will be manager.

## Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale  
Trade Only.

**SAN JOSE, CALIF.**

CORN has advanced in sympathy with wheat and on the theory that receipts will become light because of fine weather for farm work and reported dissatisfaction in the country over prices being paid at stations.

### The Seed Business to Date.

Holmes Seed Co., Harrisburg, Pa.—We are very glad to state that our seed business for the spring up to the present moment has increased in every department, retail, wholesale and mail—the increase has been phenomenal, and not only that, but is continuing to increase right along during the present month. In fact, our mail business has increased 40 per cent over last year while our counter trade has increased about 25 per cent and wholesale has increased probably 22 per cent. It has been a remarkable season so far, and if good weather continues and we have a little rain we no doubt will have good April weather running into May. The ground about this section of the country is very dry and prevents plowing; it has just started to rain in a moderate manner, and if this continues throughout the day and night it will put the ground in splendid shape for the farmer and gardener.

Iowa Seed Co., Des Moines, Ia.—"The mail order, local and wholesale trade have all been greater each month this year, than in 1909, and the increase seems to be along all lines of vegetable seeds, flower seeds, farm seeds, plants, etc. The only "fall down" which there has been is on seed potatoes, there being a decided slump in that part of the trade, owing probably to the low price of eating potatoes on the market. Have especially been pushed in the farm seed department, and it was absolutely impossible to fill orders promptly, our facilities not being equal to it, but we are rapidly catching up now. March was certainly a 'hummer.' Have never experienced such a month in the past 30 years, but am inclined to look for a decided falling off in April and May."

Wood, Stubbs & Co., Louisville, Ky.—"Our January, February and March business have been ahead of last year, especially March has considerably increased. The weather, however, is extremely dry and hot and unseasonable, and we are afraid the business will be curtailed unless we have rain some time in the very near future. Conditions are very disappointing in some localities, and people are complaining that clover is dying, and lawn grass

and other small seeds are suffering considerably."

W. Atlee Burpee & Co., Philadelphia, Pa.—March has indeed been an extraordinary month in the seed trade. Our cash mail business has increased more than 15 per cent over March, 1909, which was itself a record-breaker. The most "novel experience" we have had in handling this business has been the unfortunate falling four days behind in the filling of our orders.

J. Steckler Seed Co., Ltd., New Orleans, La.—"Our business compares some better than that of last year. The season has been extremely fine for planting, and taking it as a whole, very few of the truckers, farmers or planters here in the south had any cause to plant more than once, as the first sowing sufficed for the crops planting."

Schisler-Corneli Seed Co., St. Louis, Mo.—We are glad to say that we experienced a very large increase over March, 1909, in both "garden and field seed," and from present indications the outlook for the balance of the spring season is very encouraging.

Vaughan's Seed Store, Chicago and New York.—"We have had a record-breaking March business at both places."

J. M. Thorburn, New York.—"The past month certainly has been a good one in the seed trade."

A. C. Kendel, Cleveland, O.—We want to join in the chorus "We are rushed to death."

### Free Seeds in Hoboken.

Would'st garden, Maud?  
Would'st farm, Harold?

If would'st, hie at once to the offices of Congressmen James A. Hamill and Eugene F. Kinkead. Each congressman has a room full of seeds that the United States Agricultural Department, at Washington, has sent them in the hope of seeing Hudson County blossom like unto the rose.

There is a great variety of seeds in the offices of the congressmen, 10 kinds of flower seed, each package of seeds bearing a name that would bring joy to the heart of a Greek professor. If you cannot farm get some and let the children learn to spell the names on the packages. It's as good as a college education.

The seeds for farming are named so that the lay mind can understand, for while it doesn't matter much what kind of a flower grows where seeds are planted, a man who plants corn expects a harvest of corn. Consequently, corn, in the packages of vegetable seed, is known as corn.

One thing must be remembered by those receiving the seeds. Under no circumstances must the seeds be planted until after they have been taken from the little envelopes in which they are packed.—Hoboken (N. J.) Observer.

### Imports.

During the week ending April 2 imports were received at New York as follows:

H. Frank Darrow, 1 case plants, 12 cases trees and shrubs.

Wm. Elliott & Son, 24 cases plants.

P. Ouwkerk, 125 packages trees.

McHutchison & Co., 53 cases trees and shrubs, 11 cases plants.

Julius Roehrs Co., 22 packages trees.

F. B. Vandegrift & Co., 139 cases plants.

Vaughan's Seed Store, 1 barrel bulbs, 2 bags seed.

Wadley & Smythe, 60 packages trees and shrubs.

O. V. Zangen, 1 case trees and shrubs.

## Peas AND Beans

**Alfred J. Brown Seed Co.,**

Growers for the Wholesale Trade.

**GRAND RAPIDS, MICH.**







Mention the American Florist when writing

## VAN ZANTEN BROTHERS

Royal Netherland Bulb Nurseries  
and Export Trade.

**HILLEGOM, HOLLAND,**

Wholesale growers of the leading sort of  
Hyacinths, Tulips, Narcissus, Crocus,  
Spreas, Gladiolus, Peonies, etc., etc.

Write our traveler, **MR. G. HYLREMA**, care of  
Messrs. Maltus & Ware, 14 Stone St., New York  
for Catalogue and Special prices of all

## HOLLAND BULBS AND PLANTS

Mention the American Florist when writing

## The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip,  
Radish, Beet, Etc.

Branches: Michigan **MILFORD, CONN.**  
and Wisconsin.

Mention the American Florist when writing

## Pieters-Wheeler Seed Company

**HOLLISTER, CAL.**

Growers of High Grade Seeds

Onion, Lettuce, Radish, Sweet Peas, Etc.

CORRESPONDENCE SOLICITED.

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## BURPEE'S SEEDS PHILADELPHIA

Wholesale Price List for Florists  
and Market Gardeners.

Mention the American Florist when writing

## JOHN BODGER & SONS CO. Gardena, Calif.

Wholesale Growers of Sweet Peas,  
Tomatoes, Lima Beans, Lettuce, Asters,  
Cosmos and other Flower Seeds.

Mention the American Florist when writing

# WILDPRET BROTHERS

Largest Growers and Exporters of



**HIGHEST  
GERMINATION**

**White and Red  
Bermuda.**

**EARLY  
DELIVERY**

**Crystal Wax and  
Golden Onion.**

Let Us Book Your Order At Once  
So As To Obtain Full Delivery.

**Prices on Application.**

**We Supply Seedsmen Only.**

**Port Orotava, Teneriffe, Canary Islands.**

## CAULIFLOWER SEED CABBAGE SEED

LILY OF THE VALLEY PIPS

**HJALMAR HARTMANN & CO.**

Logangstraede 20, COPENHAGEN, DENMARK

Mention the American Florist when writing

## S. D. WOODRUFF & SONS, SEED GROWERS

Dealers in Garden, Field and Flower Seeds.

Specialties: Beet, Carrot, Corn, Peas,  
Beans, Onion Sets and Seed Potatoes.  
Catalogue free. Contracts taken.

**82-84 Dey Street,  
Orange, Conn. NEW YORK.**

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GET QUOTATIONS FROM

## LANDRETH SEEDS which SUCCEED

Bloomsdale Farm. **Bristol, Pa.**

Mention the American Florist when writing

## Pape & Bergmann,

Quedlinburg, Germany.

Elite Seeds of Flowers and Vegetables.

Specialties: Stock, Pansies, Cyclamen, etc.,  
Cactus Dablias, Bulbs. General Catalogue Free

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## S. M. Isbell & Co.,

Jackson, Mich.

**CONTRACT SEED GROWERS,**

Bean, Cucumber, Tomato, Pea, Muskmelon,  
Squash, Watermelon, Radish, Sweet Corn.  
Correspondence solicited

Mention the American Florist when writing

## Waldo Rohnert

GILROY, CAL.

**Wholesale Seed Grower**

Specialties: Lettuce, Onion, Sweet Peas, Aster,  
Cosmos, Mignonette, Verbena, in variety.  
Correspondence solicited.

Mention the American Florist when writing

## —FOR— SEEDS

OF ALL KINDS APPLY TO  
**W. W. JOHNSON & SON, Limited,**  
Boston, England.

Mention the American Florist when writing

## Telegraph Code Am. Seed Trade Association

—\$2.00—

In either stiff or flexible cover. Address orders

**AMERICAN FLORIST CO., CHICAGO.**



## Market Gardeners

Greenhouse Vegetable Growers and  
Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President;  
Franklin DeKleine, Grand Rapids, Mich.,  
Vice-President; S. W. Severance, 508 Illi-  
nois Life Building, Louisville, Ky., Secre-  
tary; M. L. Ruetenik, Cleveland, O., Treas.

CHICAGO.—California rhubarb is in  
and selling freely at \$1.50 to \$1.75 per  
box. Prices on all leading vegetables  
are firm.

### Notes on Watering.

We have just finished cutting a bed  
of lettuce in a new house, which prob-  
ably was the best we ever had, and  
which could hardly be improved upon.  
The bed contained 6,000 plants, was  
planted 6x8 inches and the crop was  
absolutely uniform, with not an aphid  
or blemish of any kind. The weight  
of crop was a marvel, each head com-  
ing close to the pound mark. The soil  
used was a heavy clay loam, which  
never had been manured. We added  
old hotbed manure and chemicals as  
often explained in these notes, but the  
most important part of the manage-  
ment was the watering. When the bed  
was ready it was dust dry, so we had  
one man spade the ground up deeply  
while another turned a heavy stream  
of water into the ditch, being careful  
not to wet the top soil. Thus treated,  
the top could be worked down and  
the bed planted. Each plant was wat-  
ered individually once after planting,  
which was all the water they ever got.  
When such results can be obtained, we  
may as well ask if it is worth while  
to consider sub-irrigation or overhead  
mechanical watering. We have em-  
phasized this point often—see to it  
that there is ample bottom moisture.

MARKETMAN.

### Irondequoit, N. Y.

Dell Titus is one of the large grow-  
ers in the township, and his place on  
the Titus road has been well known  
for a great many years for the skillful  
growing of vegetables. There are 12  
even span greenhouses 32x220 feet and  
all of them, excepting two, run east  
and west, the others run north and  
south. There are two narrow houses  
about the same length and about 20  
feet wide. Cucumbers, tomatoes, let-  
tuce, radishes, parsley, beetroot, and  
cress are all grown under glass. I  
understood from Charles Holtz, the  
foreman, who kindly showed me over  
the establishment the other day, that  
beetroots in the meantime are some-  
what in the experiment stage in the  
greenhouses. Two of the large houses  
were filled with Long Green cucum-  
bers; six rows running the entire  
length of the houses. These houses  
were planted the first week in Feb-  
ruary and they commenced cutting for  
market March 25. The strong vines  
and immense deep green leaves,  
showed evidence of vigor and excel-  
lent culture. Other houses were  
planted to cucumbers, and some were  
planted to tomatoes. The earliest to-  
matoes were about one foot high. Mr.  
Holtz said they were Earliana and

## DITTLEV ELTZHOLTZ & CO.

Ringe, Denmark

Offer for delivery this autumn, 1910:

CAULIFLOWER, Danish Snowball, at.....\$6.50 per lb.  
CABBAGE, Danish Ballhead (Amager), at..... 0.50 per lb.



### STOCK SEED

Fisk's Branching in all  
colors. Trade packet,  
40c. oz. \$4.00.  
Pure White, tr. packet,  
50c. oz. \$5.00.  
Also Beauty of Nice  
strains.

H. E. FISKE SEED CO.,  
Boston, Mass.

that is the most important one for  
Mr. Titus' trade, but they also grew  
Bonnie Best and Early Freedom.  
Lettuce is grown in enormous quan-  
tities and the loose-leaved variety,  
Early Keene, is the only one grown.  
A considerable area in the houses is  
devoted to the growing of parsley.  
The whole system is heated by hot  
water boilers, as Mr. Holtz said it  
was much easier to get men to care-  
fully manage a hot water system than  
it was steam.

About 23 acres are devoted to out-  
door vegetable growing in the summer  
season, and lettuce, onions, cauliflower,  
beetroots, cabbage, sweet corn, and  
celery are some of the vegetables  
grown. Mr. Titus does not grow as  
much celery as some of his neighbors,  
and Golden Heart and Self-blanching  
are the kinds grown. Mr. Titus has  
lately adopted a system of watering  
or irrigating his establishment that  
has attracted considerable attention in  
horticultural circles. A dam or pond  
of perhaps about one acre in area has  
been constructed on the place, the  
deepest part of which is said to be  
10 feet. A large pump, driven by a  
gasoline engine, forces the water into  
a 6-inch main, which is laid through  
the grounds and conducted past the  
ends of the greenhouses. On each side  
of each large greenhouse and about  
four feet from the side and three feet  
above the ground, galvanized iron  
pipes run the entire length of the  
houses. They start from the 6-inch  
main in two inches diameter and run  
for some distance; reduced part of  
the way to one and a half inches, and  
ending with one inch. There is a  
sprinkling bib perforation in the pipes  
every four feet. When it is in opera-  
tion a fine misty spray is diffused  
equally over the entire area of the  
houses. I understood there was suffi-  
cient pressure to water three houses  
simultaneously. The system is partly  
in operation on the outside vegetable  
grounds, but Mr. Titus is now install-  
ing it over his whole establishment.  
The pipes on the outside are 60 feet  
apart, and supported on iron posts,  
eight feet above ground. The gal-  
vanized pipes are proportionately re-  
duced throughout their extent, as be-  
fore explained in the greenhouses, and  
a fine misty spray is thrown 139 feet  
each way, and the proper water sup-

## MUSHROOMS

HOW TO GROW THEM

BY WM. FALCONER.

The Best American Book on the  
Subject.

170 Pages.

29 Illustrations.

—Price \$1.00.—

AMERICAN FLORIST CO.  
324 Dearborn St., CHICAGO.

## VEGETABLE PLANTS

|                                                                                                               | Per 100 | 1000   |
|---------------------------------------------------------------------------------------------------------------|---------|--------|
| Beet Plants .....                                                                                             | \$0.20  | \$1.25 |
| Egg Plants .....                                                                                              | 40      | 2 00   |
| Pepper Plants, Bull Nose, Sweet<br>Mountain and Ruby King.....                                                | 40      | 2 00   |
| Tomatoes, small plants, Earliana,<br>Early Jewel Dwarf Stone and Cham-<br>pion, Ponderosa and Matchless. .... | 30      | 2 00   |
| Tomatoes, small plants, Stone, Far-<br>agon and Favorite and Success ....                                     | 20      | 1 00   |

Cash with order.

R. VINCENT, Jr. & SONS CO., White Marsh,  
Md.

## Wanted

Contracts to grow all kinds of Vegetable  
Plants, transplanted or not. Also Gera-  
niums, Coleus, Cannas, Salvias, Verbenas,  
Pansies, etc., for spring delivery. All  
stock only. Correspondence solicited.

Wholesale Florist,  
Alonzo J. Bryan, Washington, New Jersey.



Watch for our Trade Mark stamped  
on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is  
thus easily exposed. Fresh sample  
brick, with illustrated book, mailed  
postpaid by manufacturers upon re-  
ceipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

ESTABLISHED IN 1884.

Bridgeman's Seed Warehouse,

RICKARDS BROS., Props.,

37 East 19 St.,

bet. Broadway and 4th Ave.,

New York

Telephone 4235 Gramercy.

## Fine Aster Seed

Catalogue Now Ready.

VICK & HILL CO.,

Box 613, Rochester, N. Y.

ply of every vegetable crop is, and  
will be, under absolute control. Of  
course, the first cost of a system like  
this is considerable, but it is perfectly  
obvious when once in operation it  
must save enormously in the reduc-  
tion of labor.

JOHN DUNBAR.





**Vaughan's**  
**Lilium Harrisii.**

**1911 Both Plants and Bulbs Carefully Selected.**

While we do not claim that our Harrisii are absolutely free from disease, or that every bulb will produce a perfect plant, we do claim that our growers' efforts in the way of spraying and roguing are producing results, our stock now being freer from disease than ever before and of genuine Harrisii type, in fact, the best general crop grown on the island of Bermuda.

**Vaughan's Seed Store**  
CHICAGO. NEW YORK.

#### Prices of Indoor Fruits and Vegetables.

New York, April 2.—Mushrooms, 35 cents to 45 cents per pound; cucumbers, \$1 to \$1.50 per dozen; lettuce, 90 cents per dozen heads; tomatoes, 27 cents per pound; radishes, 3 cents per bunch; mint, 75 cents per dozen bunches; grapes, Gros Colman, 80 cents per pound; peaches, \$3 per dozen. Beet tops, \$1 per bushel.

Chicago, April 6.—Mushrooms, 25 cents to 40 cents per pound; cucumbers, \$1.25 to \$1.50 per dozen; leaf lettuce, 30 cents per box; head lettuce, Florida, \$3.50 per hamper, Louisiana, \$5 and \$7 per barrel; tomatoes, 20 cents per pound; radishes, 50 cents per dozen; grapes, Gros Colman, 75 cents per pound; rhubarb, 60 cents.

#### Hop Shoots as A Vegetable.

In the spring when the hop plant begins to throw up shoots, it is customary in this country (England) to thin out and throw away the shoots, leaving only two or three to each plant. In some continental countries, however, these hop shoots are used as a vegetable, being gathered when from four to five inches long, and boiled and eaten like asparagus. They are most largely employed in this way in Belgium, where, according to information furnished by the ministry of agriculture, the shoots are gathered from about 2,500 acres of hops. The average production is about 70 pounds per acre. They are sold fresh, and are also supplied to preserving factories. They are among the earliest spring vegetables, and appear on the

bill of fare of all the large restaurants in Belgium from the beginning of March.—Gardeners' Magazine.

#### One Cause of the Postal Deficit.

Charles A. Korbly, who is serving his first term as congressman from the seventh Indiana district, could just as well have contributed to the postal deficit by sending two elephants to his constituents as by franking a few million flower and vegetable seeds. On January 8 Mr. Korbly sent 15,000 packages of seeds addressed to 2103 North Capitol avenue, Indianapolis, which is the congressman's home. It required 45 mail sacks, each sack weighing about 75 pounds, to carry these seeds. The postoffice received no payment for this service of transportation; 12,000 more packages of seeds went in the same manner to Mr. Korbly's home a few days later. These packages will again be distributed by mail (at no cost to young Mr. Korbly, and with no revenue, but at large expense, to the postoffice department) from Indianapolis, to the voters of Marion county, Indiana. Every congressman is allowed to send out 20,000 packages of vegetable seeds and 2,000 packages of flower seeds. This means 3,600 sacks or 270,000 pounds of seeds on which postage is eight cents a pound to the ordinary citizen of the United States. The seed packages average 150 pounds per 1,000 packages. Therefore, it would cost any business house or private individual \$144,000 to mail the seeds that congressmen can send through the mails for nothing. Mr. Korbly's 70 sacks weighed about 3,300 pounds, which, at

#### ONE-HALF CAR OF

## Calla Bulbs

Ready end of July.

Write for prices.

Berrydale Experiment Gardens, Holland, Mich.

eight cents a pound, would cost \$264 in postage. If he is a strenuous seed distributor, however, and he would seem so to be, he may borrow enough from some other congressman to double his own portion, as many congressmen living in large cities do not use their allotments of seed.—Collier's.

PHOENIX, ARIZ.—The Phoenix Flower Store doubled its last Easter business this year at prices about the same and plenty of all kinds of stock. Plants and bulb stock were in good demand, the weather was fine and collections good.

LINCOLN, NEB.—Frey & Frey report that their sales at Easter this year were 25 per cent greater than those of last, at about the same prices, except for lilies, which were higher. These were the only scarce items. Flowering plants sold well, but there was not much demand for palms or ferns. The demand was for carnations, roses, lilies, tulips, daffodils and sweet peas in the order named. The warm weather brought everything along rapidly and caused plenty of dust, but there were no complaints and the business was in every way satisfactory.



## The Nursery Trade

### American Association of Nurserymen.

F. H. Stannard, Ottawa, Kans., President;  
W. P. Stark, Louisiana, Mo., Vice-President;  
John Hall, Rochester, N. Y., Sec'y.  
Thirty-fifth annual convention to be held  
at Denver, Colo., June 8-10, 1910.

CHICAGO.—The Beaudry Nursery Co. has increased its nursery grounds to 100 acres and intends to enter the wholesale field in the near future. This firm has a large amount of landscape work on hand.

NELLIE, CALIF.—Robt. H. Asher, proprietor of the Chupa Rosa Park Camp, late of El Cajou, is working up a fine stock of hardy lilies and other bulbous plants and perennials, vines and other stock. He is located about 60 miles from San Diego on Palomar mountain at an elevation of about 4,500 feet above sea level.

THE Forest Nursery Co., is now doing business in El Cajou, Calif. The members of the company are J. H. Dodson and C. C. McCutchen. Mr. Dodson is an authority on the eucalyptus and has been raising the trees for several years near El Cajou. The new company has bought lots near El Cajou village, put up an office and other buildings and developed an independent water supply, using a gasoline engine and pump. While the firm will make a specialty of growing and planting eucalyptus, it will also handle fruit trees, berry and ornamental plants. Miss Katherine Hartman, formerly with the Buafflo News, is secretary and assistant manager.—A.

THE Asaph nursery, in Tioga county, Pa., contains 2,012,000 young forest trees and it comprises five acres. It is understood that Commissioner of Forestry Robert S. Conklin is preparing to increase the size of this nursery to 20 acres. It is expected that a year hence the Asaph nursery will be able to furnish from ten to twelve million young trees. Under a new law the state nurseries are authorized to furnish at the actual cost of production all kinds of young forest trees for planting. The soil of the Asaph nursery is particularly well adapted for propagating white pines, some of the finest stands of native pines having been cut in that vicinity in the early days, and recently much fine second growth has been secured around there. —Wellsboro Agitator.

### American Association of Nurserymen.

#### THE DENVER CONVENTION.

Th thirty-fifth annual convention of the American Association of Nurserymen will be held at Denver, Colo., June 8-10, with headquarters at the Palace hotel. Denver is an ideal convention city, with its wide, shady streets and the magnificent surrounding scenery, and no more pleasant or invigorating trip for the nurseryman who wishes to get away for a day or two from the cares of business can be imagined. The entertainment committee has been busy and has arranged a delightful series of sight-seeing trips, which will be complimentary to members and their ladies. The hotel rates are quite reasonable and the proprietors of the hotel give free the use

# Special Clearance Sale of California Privet

One Year Old, Two to Four Branches

Fine plants for retail trade and cheap enough for lining out.  
Cash with order or satisfactory reference.

6 to 12 inch, at \$3.00 per 1000  
12 to 18 inch, at 6.00 per 1000

These must be sold to make room for our heavy plantings;  
hence the low price. Will pay you to get a few thousand  
for growing on another year. Will make fine two-year plants.

## THE LANCASTER COUNTY NURSERIES

David S. Herr, Prop. R. F. D. No. 7, LANCASTER, PA.

# Bobbink & Atkins

RUTHERFORD, N. J.

**World's Choicest Nursery Stock** Such as Evergreens, Shade  
and Ornamental Trees, Shrubs  
Vines, Trained, Dwarf and Standard Fruit Trees, Grape Vines, and other  
Small Fruits, Herbaceous Plants and a general variety of Spring Bulbs.

**Boxwood==Bay Trees** and all other decorative plants, such as Dra-  
cenas, Aucubas, Palms, Etc.

Inspection of our Nursery invited, and convince yourself that we have the  
Stock. Only 9 miles from New York City.

## A GOOD INVESTMENT

Evansville, Ind., Feb. 18, 1910.  
AMERICAN FLORIST Co.  
Chicago.

DEAR SIR:—I am using your  
Trade Directory and out of 4000  
nurserymen we circularized only  
two circulars came back. I am  
enclosing these names as you may  
want to make the changes.

A. J. LOCKYEAR.  
New Edition Now Ready—Price \$3.00.

of rooms for meetings, exhibits and committees.

In reference to railroad rates, Secretary John Hall advises as follows: "We have been unable to secure reduced rates from the passenger associations, but have received a letter from the chairman of the Western passenger association saying: 'On behalf of the individual lines interested would respectfully refer you to the summer tourist fares that will be in effect to Denver, Colorado Springs

## Jacs Smits & Co., NAARDEN, (Holland)

Azaleas, (hardy), Berried Plants, Bleeding  
Hearts, Blue Spruces, Boxwood, Clematis, Climbing  
Plants, Conifers, Evergreens, Funkias in  
sorts, Hydrangea P. G., Japan Maples, Peonies,  
Pot-grown Plants, (Lilacs a specialty), Rhodo-  
denrons, Roses, Spireas, Valleys.

Price List Free on Demand.

## JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.  
Tree Renovation by Expert Operators. Stere-  
opticon lectures on Horticulture and Arboriculture

## Phoenix Nursery Company

Nurserymen and Florists  
BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for spring issued Feb. 1st

and Pueblo this year, which will be  
available for your convention. The  
summer tourist fares referred to are  
on the basis of \$30 from Chicago, \$26.75  
from Peoria, \$25 from St. Louis, \$17.50  
from Missouri river points, and pro-



## Extremes Meet

MINIMUM COST — MAXIMUM QUALITY

This is demonstrated fully in our 1910 catalogue of **PERENNIALS** and other **HARDY PLANTS** which we grow exclusively by the acre.

Free For The Asking.

**Palisades Nurseries, Inc.,**  
SPARKILL, N. Y.

## LARGE TREES

OAKS and MAPLES  
Pines and Hemlocks

**ANDORRA NURSERIES.**

Wm. Warner Harper, Prop.  
Chestnut Hill, PHILA., PA.

THE

**Storrs & Harrison Co.**

**PAINESVILLE NURSERIES.**

CATALOGUES AND PRICE LISTS  
FREE ON APPLICATION.....

**PAINESVILLE, OHIO.**

**Catalpa Speciosa Tree Seed**

FOR SALE

1000 pounds collected in Wabash Valley,  
guaranteed true speciosa.

Write for sample and price.

**A. J. LOCKYEAR, Sta. A 6, Evansville, Ind.**

portionate fares will be in effect from intermediate points. Tickets will be on sale daily from June 1 to September 30, inclusive, with return limit of October 31, 1910. Whilst we regret our inability to secure the reduced rates, yet we think, in the long run, that members will be better pleased with the summer tourist rates, because they will not be under the necessity of cutting their visit to Denver short for the sake of the reduction they might have expected to get under the certificate plan. The Rochester nurserymen are getting up a special car load for Denver. Many well known names are on the programme to speak and a most interesting convention is assured.

### Blue Hydrangeas.

Many cultivators of hydrangeas strive to obtain blue flowers, and fail to do so, while others possess plants that bear huge heads of blue blossoms. Sulphate of iron, alum, and iron filings have been applied to the soil by some cultivators with success in some instances, and failures in others. For more than 10 years I had charge of a large garden in Hampshire, says a correspondent of the Gardeners' Magazine, in which nearly 100 huge bushes grew in the open borders. A few specimens measured quite nine feet across, and bore scores of heads of flowers nearly every year. There were always a few large clusters of flowers on these plants which measured about 15 inches across. The bushes were not cut back.

Some of them grew in extremely dry borders, and others in ground constantly saturated with water, which soaked through it from two large ponds. A number bore intensely blue

# Roses! Roses!

We offer for immediate delivery the following Roses on own roots, dormant, field-grown plants, first-class in every way:

- |                            |           |
|----------------------------|-----------|
| 1000 Helen Gould, Balduin, | 12 cents. |
| 300 Pink Baby Ramblers,    | 12 cents. |
| 500 Newport Fairy, - -     | 12 cents. |
| 1000 Dorothy Perkins, - -  | 12 cents. |
| 2000 Tausendschon, - -     | 20 cents. |

Also a limited number of dormant, field-grown plants, own roots of the following Roses at 12 cents each; Sweetheart, Trier, Lady Gay, La Fiamma, Taurus Blumchen, Debutante, Hiawatha.

Clematis Paniculata, field-grown, 1 yr. 5 cents.

Clematis Paniculata, field-grown, 2 yr. 8 cents.

Hydrangea Paniculata Grandiflora, 18 to 24 in. 6 cents.

Hydrangea Paniculata Grandiflora, 2 to 3 ft 9 cents.

Viburnum Plicatum, 2 to 3 ft.....12 cents.

Chinese Sacred Lilies, \$3.00 per 100; \$25.00 per 1000.

**Guide To Rose Culture** As a work of reference, this book is almost indispensable and was produced at a cost of \$10,000. FREE to all who ask for it. Write to-day.

**The DINGEE & CONARD CO.,** West Grove, Pa.



## Pink Climbing Rose— Dorothy Perkins

Without doubt the most valuable of all the new Climbing Roses of comparatively recent introduction. The beauty of the double pink flowers is admirably set off by the rich green foliage, which is free from the attacks of insects.

In addition to this charming kind, we have all the popular varieties in climbing and bush Roses. Our General Catalogue, which will be mailed on request, contains descriptions of all the best Roses—also

Fruit and Ornamental Trees, Shrubs and Hardy Plants.

**ELLWANGER & BARRY,**

Mount Hope Nurseries.

Rochester, N. Y.

# STOCK FOR FLORISTS

**ROSES** for Forcing—Hybrid Perpetuals and Ramblers, all the best ones; fine, strong stuff. Clematis, Ampelopsis, Tree Hydrangeas and Lilies, Shrubs, Vines and Perennials. Write for prices.

**PALMS**—Kentias in 2½-inch pots, \$8.00 per 100; \$75.00 per 1000.

**JACKSON & PERKINS CO.,** Newark (near Rochester), New York  
Nurserymen and Florists. Wholesale only. Use printed stationery.

flowers, with a few pale pink ones on the same bushes; while others, growing only a dozen yards away, had deep pink blossoms, and this mixture of color and variation was the same both in bushes growing dry, as well as in damp soil, year after year. On the same estate, nearly two miles from the gardens, hydrangeas of large size grew in cottagers' gardens, and bore blue flowers chiefly. The water used in the gardens soaked through the valley in the woods, some of the ground there being boggy. Where the water dripped for a time from the taps on to the gravel beneath, the stones turned to a deep reddish-brown color; the water was very hard, and contained iron. I have seen fine blue-flowered hydrangeas in Bournemouth in a sandy border, but never any to equal those here referred to.

FLORENCE, S. C.—DeWitt House will soon erect a greenhouse 50 x 200 feet, which he will run in connection with his nursery business.



## Arbor Vitæ

(Thuya Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees,  
Write for descriptions and prices.

**The Wm. H. Moon Co.,**  
MORRISVILLE, PA.

Mention the American Florist when writing

## DAHLIAS

Jack Rose and other best Cut Flower varieties. Write for list and prices

**PEACOCK DAHLIA FARMS**

Williamstown Junction, N. J.

Mention the American Florist when writing

**Eugene Pitou, Jr.** CIVIL ENGINEER and  
Landscape Architect.

Phone Barclay 6084—229 Broadway, New York  
Designs, Estimates, Construction of Grounds.



## Wichita, Kans.

The Easter season just passed may be classed as generally satisfactory. It was early, but the season was correspondingly early and there was the usual trouble in holding bulb stock back in proper condition for Easter week. The volume of business was somewhat heavier than last year or any previous year and everybody had all they could do. Prices were about as at former years and only slightly advanced over the prices prevailing before Easter and at present. There were abundant supplies of cut flowers of all kinds, the only shortage appearing in cut lilies at the last. The quality of stock was generally good, with roses showing just a little of the effects of the warm weather. The plant trade was heavier than ever, with the call mostly for flowering stock; not much call for ferns, etc. Lilies sold out by Saturday afternoon. The warm weather, which has prevailed almost steadily since March 1, made it hard to have stock hold for Easter. In fact, if Easter had been one week earlier it would have found much more stock in saleable condition, but a dry temperature of 80° for over 10 days or more with not even a frost after the fifth of the month gave a record-breaking speed to all stock coming into flower and whole blocks of lilies and bulb stock wasted their sweetness.

W. H. Culp & Co. had a nice lot of hyacinths, Von Sion and Emperor narcissi in pots and pans which sold out clean. They also had a batch of azaleas that were just right. They found a good sale for a lot of marguerites in 5 and 6-inch pots. These were fine plants and brought good prices.

Mueller, Kuechenmeister, and Culp all report extra heavy cuts of carnations for Easter week. Chas. P. Mueller had in some very nice spireas and hydrangeas, but says the weather was too much for bulb stock.

W. I. CHITA.

## Davenport, Ia.

## A GREAT EASTER TRADE.

Easter trade was without a doubt the greatest, most successful and satisfactory in every way ever experienced in this city. The weather was all that could be desired, the week being warm and bright, which brought out the buyers, and in consequence everything that looked like a flower was quickly bought up. A greater variety and finer display of flowers was never before seen here on a holiday. Lilies, as usual, were the best selling plants, and the number that were disposed of at 25 cents per bud was unusual. Cut bulb stock was a drag until everything else was gone.

March was a record breaker as to warmth and sunshine. The sun shone every day and the glass hovered around 70°, which brought out the greatest amount of flowers ever before cut for Easter or any other day. Instead of hastening stock it had to be held back. Taken all in all, everyone will agree that Easter 1910 will long be remembered, conditions being so unusual. April 1 finds tulips, daffodils, hyacinths and other bulb stock in full bloom outdoors, which is just one month ahead of last year. Plums, cherries, apricots and other trees are white with blossoms, and if this weather continues we will have, as one man puts it, "Fourth of July some time in the latter part of May."

T. E.

EMPORIA, KANS.—The formal opening of the Emporia Floral Co., at West street and Twelfth avenue, was held March 22.

## CHRYSANTHEMUMS..

## The Best for Florists

We are striking 25,000 cuttings per week at present, and will double this quantity soon.

For all this, there will not be enough of many of the best Commercial Sorts to meet the demand.

It is best to decide now on the kinds to plant.

Submit us a list of your requirements, stating how many of each and the date to be delivered,

Will gladly give best terms on rooted cuttings or potted stock.

Remember, we have all that are useful to florists.

ELMER D. SMITH &amp; CO.,

Adrian, Mich.

## A ROSE FOR EVERY GREENHOUSE

## GRAFTED ROSES

White Killarney, My Maryland, Pink Killarney, Richmond.

Bride, Bridesmaid, Golden Gate, La France, Kaiserin.

Rose pots ..... \$15 00 per 100  
3½-inch pots ..... 18 00 per 100Rose pots ..... \$10 00 per 100  
3½-inch pots ..... 15 00 per 100

## OWN ROOT ROSES

White Killarney, My Maryland, Richmond, Pink Killarney, American Beauty.

Bride, Bridesmaids, Perle, Sunrise, Golden Gate, Chateaufort, Kaiserin.

3-inch pots ..... \$ 9 00 per 100  
4-inch pots ..... 12 00 per 1003-inch pots ..... \$ 7 00 per 100  
4-inch pots ..... 10 00 per 100

We will have large quantities of White Killarney and American Beauty Rose plants of the best quality for spring delivery. Verbena and Coleus Cuttings and Plants ready for shipment.

—Send for Circulars—

J. L. DILLON,

Bloomsburg, Pa.

## Bench Plants

|                      |        |        |
|----------------------|--------|--------|
|                      | 100    | 1000   |
| American Beauty..... | \$7 00 | \$65 0 |
| Richmond.....        | 4 00   | 35 00  |

## GEORGE REINBERG

51 Wabash Avenue, CHICAGO.

## New Orleans.

## A GOOD EASTER.

Easter has passed into history showing an advance in the volume of business over its predecessor. Unfortunately, the supply of lilies was inadequate and many customers who couldn't get them could not be switched on to anything else. Most of the local growers were either too early or too late. The grower who can time this crop year in and year out in this locality is a wizard. The first flowers should just be opening at the beginning of Easter week to have them right, as it is a hard matter to hold them more than a very few days. The plants and flowers shipped from outside were generally inferior in quality. Prices took a decided jump at the finish. Azalea, Indica and mollis, hydrangeas, rhododendrons, deutzias, spireas, pans of Dutch hyacinths and lily of the valley formed the bulk of the other flowering plants and met a satisfactory sale. Cut flowers had an excellent sale, and with the exception of lilies were never of finer quality. No evidence of pickling was observed and every one was happy. It is impossible yet to give an accurate estimate of the advance in the volume of business, but all are agreed that it was material.

X.

## Moonvines.

Ipomaea Multiflora, best white Moonvine, for which we have a world wide reputation, now ready, 2 1-2-inch pots \$5.00 per 100.

## GODFREY ASCHMANN,

1012 West Ontario St.

PHILADELPHIA, : PA.

Mention the American Florist when writing

## New Chrysanthemum

## Mrs. Jane Cockburn

## EARLY PINK.

Ready for February and March delivery. Blooms first week in October. Beautiful mauve pink. Good keeper and shipper.

\$6.00 per 100; \$50.00 per 1000.

Five hundred at one thousand rate.

FIRST COME. FIRST SERVED.

SAMUEL COCKBURN & SONS,  
233rd St. and Verlo Ave., Woodlawn,  
NEW YORK CITY.

Mention the American Florist when writing



# Vaughan's Special Offer

## BOSTON FERNS

|                                                                       | Each            | Doz.            | 100     |
|-----------------------------------------------------------------------|-----------------|-----------------|---------|
| 6-in. pots                                                            | \$ .75          | \$8 00          | \$60 00 |
| 7-in. pots                                                            | 1 00            | 10 00           | 75 00   |
| 8-in. pots                                                            | 1 25            | 14 00           | 100 00  |
| 10-in. pots                                                           | 2 50            |                 |         |
| Per 100                                                               |                 |                 |         |
| Asp. Sprengeri, 2½-in.                                                | \$ 3 00         | \$25 00         |         |
| " " 3-in.                                                             | 5 00            | 45 00           |         |
| " " 4-in.                                                             | 10 00           |                 |         |
| Aucuba, Japonica variegated.                                          | Each            | Doz.            |         |
| 18 in. high                                                           | \$ .55          | \$5 00          |         |
| 24 to 30-in. high                                                     | 1 50            | 15 00           |         |
| Aucuba, Japonica type.                                                |                 |                 |         |
| 18-in. high                                                           | 1 00            | 10 00           |         |
| Crimson Ramblers, 2 years old, 2 to 3 feet, well branched, own roots. | \$2.00 per doz. | \$15.00 per 100 |         |
| " " 2 years old, 2 to 3 feet, well branched, budded..                 | 2.00 per doz.   | 15.00 per 100   |         |
| " " 3 years old, 3 to 5 feet, well branched, budded..                 | 3.00 per doz.   | 18.00 per 100   |         |
| " " 4-inch pots                                                       |                 | 10.00 per 100   |         |
| Per doz. Per 100                                                      |                 |                 |         |
| Tausendschon, 2-yr. old, dormant, grafted plants                      | \$3.50          | \$25.00         |         |
| Crimson Baby Ramblers, 3-years budded.                                | \$2.50 per doz. | \$16.00 per 100 |         |

## CROTONS

| We offer a choice collection of fancy sorts, well colored. |                 |                 |         |
|------------------------------------------------------------|-----------------|-----------------|---------|
|                                                            | Each            | Doz.            | 100     |
| 3-in. pots                                                 | \$ .20          | \$2 00          |         |
| 4-in. pots                                                 | 35              | 3 50            |         |
| 5-in. pots                                                 | 50              | 6 00            |         |
| 6-in. pots                                                 | 1 00            | 10 00           |         |
| Each Doz. 100                                              |                 |                 |         |
| Azalea Mollis, 15 to 20 buds.                              | \$ .50          | \$5 00          | \$40 00 |
| 40 to 50 buds.                                             | 1 00            | 10 00           |         |
| Doz. 100                                                   |                 |                 |         |
| Bush Box Trees, 15-18 in. high.                            | \$4 00          |                 |         |
| 20-24 in. high.                                            | 8 00            |                 |         |
| Doz. 100                                                   |                 |                 |         |
| Ampelopsis Veitchii, 2-yr.                                 | 1 75            | \$12 00         |         |
| 3-yr.                                                      | 2 00            | 15 00           |         |
| Per doz. Per 100                                           |                 |                 |         |
| Lady Gay, 2-yr. old, dormant stock.                        | \$3.00          | \$20.00         |         |
|                                                            | \$2.50 per doz. | \$16.00 per 100 |         |

## Deutzia

|                            | Each   | Doz.   | 100     |
|----------------------------|--------|--------|---------|
| Lemoinei, 7-in.            | \$ .25 | \$2 50 | \$20 00 |
| Clematis Paniculata, 2-yr. | 1 50   | 10 00  | 90 00   |
| " " 3-yr.                  | 2 00   | 15 00  |         |
| " " 4-yr.                  | 3 60   | 25 00  |         |

| Aralia Elegantisima, fine stock. |        |      |     |
|----------------------------------|--------|------|-----|
|                                  | Each   | Doz. | 100 |
| 5-in.                            | \$1 00 |      |     |
| 6-in.                            | 1 50   |      |     |

## ROSES

|                             | Per doz. | Per 100 |
|-----------------------------|----------|---------|
| American Beauty.....budded. | \$2 00   | \$15 00 |
| Gen. Jack                   | 1 75     | 14 00   |
| Mrs. John Laing             | 1 75     | 14 00   |
| Paul Neyron                 | 2 00     | 15 00   |
| John Hopper                 | 1 75     | 14 00   |
| Fisher Holmes               | 1 75     | 14 00   |
| Gen Washington              | 2 00     | 15 00   |
| Gruss an Teplitz            | 2 00     | 15 00   |
| Magna Charta                | 1 75     | 14 00   |

## Hardy Perennial Plants

|                               | Doz.   | 100    |
|-------------------------------|--------|--------|
| Achillea Eupatorium           | \$1 00 | \$7 00 |
| Anchusa Angustifolia          | 75     | 5 00   |
| Aquilegia Chrysantha in var.  | 85     | 6 00   |
| Arabis Alpina                 | 85     | 6 00   |
| A. Pl.                        |        |        |
| Aster Preziosa                | 1 20   | 8 00   |
| Cardifolius                   | 1 00   | 7 00   |
| Laevis Pulcherrimus           | 1 50   | 10 00  |
| Novae Belgiae Glory de Nancy  | 1 00   |        |
| Ryecroft Pink                 | 1 50   |        |
| St. Erwin                     | 2 00   |        |
| White Dwarf Queen             | 1 00   | 7 00   |
| Baptisia Australis            | 85     | 6 00   |
| Bocconia Cordata              | 85     | 6 00   |
| Boltonia Asteroides           | 75     | 5 00   |
| Bupthalmium Cordifolium       | 85     | 6 00   |
| Campanula Medium Calycanthema | 1 00   | 7 00   |
| " " Single Mixed              | 1 00   | 7 00   |
| " " Double Mixed              | 1 00   | 7 00   |
| " " Single White              | 1 00   | 7 00   |
| Catananche Coerulea           | 85     | 6 00   |
| Chelone Lyoni                 | 1 25   | 8 00   |
| Chrysanthemum Maximum         | 1 25   | 8 00   |
| " North Star                  | 1 25   | 8 00   |
| " Larsoni (new)               | 2 50   |        |
| Coreopsis Lanceolata          | 75     | 5 00   |
| " Rosea                       | 85     | 6 00   |
| Daisy Shasta, California      | 85     | 6 00   |
| Westralia                     | 85     | 6 00   |
| Delphinium Chalcense          | 75     | 5 00   |
| " Album                       | 75     | 5 00   |
| " Kelway's Hybrids            | 85     | 6 00   |
| Dianthus Abbottsford          | 1 25   |        |
| " Plumarius Cyclops           | 85     | 6 00   |
| " Latifolius Coccineus pl.    | 1 00   | 7 00   |
| " Plumarius double            | 85     | 6 00   |

|                                 | Doz.   | 100   |
|---------------------------------|--------|-------|
| Dianthus Perfection             | \$1 25 |       |
| " Her Majesty                   | 85     | 6 00  |
| " Semperparvulus                | 85     | 6 00  |
| Digitalis Gloxiniaeflora, mixed | 1 00   | 7 00  |
| " Maculata Ivoryana, spotted    | 1 00   | 7 00  |
| Echinacea Purpurea              | 85     | 6 00  |
| Erianthus Ravennae              | 85     | 6 00  |
| Eupatorium Ageratoides          | 85     | 6 00  |
| " Fraseri                       | 85     | 6 00  |
| Festuca Glauca                  | 85     | 6 00  |
| Funkia Lancifolia               | 75     | 5 00  |
| Gallardia Grandiflora           | 85     | 6 00  |
| " Kermesina Splendens           | 1 00   | 7 00  |
| " Grandiflora semi-pl.          | 1 00   | 7 00  |
| " Sulphurea                     | 1 00   | 7 00  |
| Gypsophila Paniculata fl. pl.   | 1 00   | 8 00  |
| " double white                  | 85     | 6 00  |
| Helenium Autumnale superbum     | 85     | 6 00  |
| " Rubrum                        | 1 00   | 8 00  |
| Heliopsis Multiflorus Max       | 85     | 6 00  |
| " Sparsifolius                  | 85     | 6 00  |
| Heliopsis Pitcherianus          | 65     | 4 00  |
| Hemerocallis Dumortieri         | 85     | 6 00  |
| " Flava                         | 85     | 6 00  |
| " Kwanso fl. pl.                | 85     | 6 00  |
| Hibiscus Crispus Eye            | 60     | 4 00  |
| " Moscheutos                    | 60     | 4 00  |
| Inula Ensifolia                 | 85     | 6 00  |
| Iris Pallida Dalmatica          | 1 50   | 10 00 |
| " Mixed German                  | 60     | 4 00  |
| Lathyrus Latifolius Albus       | 1 00   | 7 00  |
| " Rubra, red                    | 1 00   | 7 00  |
| " Pink Beauty                   | 1 00   | 7 00  |
| Lavender                        | 1 00   | 7 00  |
| Linum Flavam                    | 1 00   | 7 00  |
| " Perenne                       | 85     | 6 00  |

|                                   | Doz.   | 100    |
|-----------------------------------|--------|--------|
| Lobelia Cardinalis                | \$1 00 | \$7 00 |
| Lychnis Viscaria                  | 85     | 6 00   |
| Lysimachia Barystachis            | 1 00   | 8 00   |
| Mint                              | 60     | 4 00   |
| Monarda Didyma                    | 1 00   | 7 00   |
| Myosotis Palustris Semperflorens  | 60     | 4 00   |
| Phalaris Arundinacea var.         | 75     | 5 00   |
| Phlox, mixed, 3 and 4 year clumps | 1 00   | 6 00   |
| Physostegia Virginica             | 85     | 6 00   |
| Platycodon Grandiflora            | 85     | 6 00   |
| " Mariesi                         | 85     | 6 00   |
| " Alba                            | 1 00   | 7 00   |
| Primula Veris Grandiflora         | 1 00   | 7 00   |
| " Harbinger                       | 1 00   | 7 00   |
| Pyrethrum Uliginosum              | 75     | 5 00   |
| Rudbeckia Golden Glow             | 85     | 6 00   |
| " Golden Ray                      | 85     | 6 00   |
| " Newmani                         | 1 00   | 7 00   |
| " Nitida                          | 1 00   | 7 00   |
| Sidalcea Rosy Gem                 | 1 00   | 7 00   |
| Statice Latifolia                 | 1 00   | 7 00   |
| Stokesia Cyanea                   | 1 00   | 7 00   |
| " Alba                            | 1 25   |        |
| Solidago Virgaurea Nana           | 1 00   | 7 00   |
| Sweet William, Single mixed       | 85     | 6 00   |
| " " Double mixed                  | 85     | 6 00   |
| " " Red, double                   | 1 00   | 7 00   |
| " " White                         | 1 00   | 7 00   |
| Tarragon True German              | 85     | 6 00   |
| Thalictrum Flavam                 | 1 00   | 7 00   |
| Tradescantia Virginica            | 85     | 6 00   |
| Tritoma Pfitzeri                  | 1 00   | 7 00   |
| Tunica Saxifraga                  | 1 00   | 7 00   |
| Vinca Minor                       | 75     | 5 00   |
| Yucca Filamentosa, 3 in. pots     | 75     | 5 00   |

SPRING "BOOK FOR FLORISTS!" ASK FOR IT.

## VAUGHAN'S SEED STORE,

NEW YORK.

All Plants f. o. b. Western Springs, Ill.

CHICAGO.

### Albany, N. Y.

Local dealers are well satisfied with the results of Easter business. A canvass shows that trade on the whole was better than that of a year ago, but the amount is hard to determine. From 10 to 20 per cent increase is perhaps a safe estimate. The demand for violets was very heavy. It is not too much to say that so many have not been sold in this city before as during Easter week and a few days after. The supply was abundant, however, and the majority of the dealers report that they could get all they needed. Sweet peas sold well and orchids in corsage bouquets with violets or sweet peas were in demand. Roses were about third on the list. Of American Beauties there was a good supply, perhaps more than at the same season for some years back. In plants, azaleas were again in the lead with a tendency on the part of the public to buy the more brightly colored ones, red and scarlet being favorites. The retailers had also an excellent demand

for tulips in pans, hyacinths, Crimson Rambler and the newer varieties of that style of rose. Almost anything with a flower had a market, and for that reason the range of plants sold was very wide. A very important factor in the trade was the exceptional weather. It was unusually warm and more like the end of April than March. Honey bees followed the wagons of the growers into the city along the highways, and as a result every florist's shop had both outside and inside scores of the industrious little workers gorging themselves to the full with sweets from azaleas, tulips, lilies and other flowers. It was an unusual sight to see the crowds passing and the bees working within arm's length distance.

Whittle Bros. had charge of the decorations at the Ten Eyck on the evening of March 19, when the University club gave a dinner in honor of President Taft and Earl Grey, governor general of Canada. On the speakers' table were three large oval baskets, center pieces, of red tulips. The color scheme, red, was carried out also

## Cannas

King Humbert.  
Chas. Henderson.  
Ex. Crampbell.  
Mad. Crozy.  
Alphonse Bouvier.  
Mlle. Berat.  
Florence Vaughan.  
Souv. de Antoine Crozy.  
Write for special prices, stating quantity wanted.

### FRESH TOBACCO STEMS.

Bale of 300 lbs., \$1.75; ton \$9.00.

W. C. BECKERT, Seedsman,

103 Federal St., N.S., PITTSBURG, PA.

Mention the American Florist when writing

on the 38 or 40 small dining tables with red azaleas in pot covers and with candelabra to match. One Scarlet Glow carnation was laid at each plate. Kentias grouped in the corners of the dining hall added considerably to the effectiveness of the scene.

R. D.



**Vinca Variegata...**

R. C. 90c; \$8.00 per 1000. Extra fine.

**DBLE. PETUNIA**

2-in. \$2 00 per 100

**Abutilons**, 3 kinds, 2-inch, 2½c. **Geraniums**, Double Grant, Buchner, Gen. Grant, 2-in., 2c. **Ageratum**, 3 kinds, \$1.50 per 100. **Swainsonia alba**, 2-in., 2c.  **Snapdragon**, white and scarlet, 2-in., 2c. **Heliotrope**, Yellow Daisies, 2-in., 2c. **Rose Geranium**, 2-in., 2c. **Sailor Geranium**, 2-in., 3c.

**Feverfew**, double white, small plants, 75c; \$6.00 per 1000.

**Rooted Cuttings**, prepaid per 100. **Heliotrope**, \$1.00; **Fuchsia**, 8 kinds, \$1.00; **Paris Daisy**, yellow, white, \$1.00; **Cuphea**, 75c; **Vinca Variegata**, 90c; **Coleus**, 10 kinds, 60c; **Alternanthera**, 3 kinds, 30c; **Ageratum**, 3 kinds, 60c; **Swainsonia alba**, \$1.00; **Db. Petunias**, 10 kinds, \$1.00.

Cash with order.

**BYER BROS.,****Chambersburg, Pa.****Cincinnati.****A WEAK MARKET.**

Since last Monday the market has been weak, flowers for funeral work being about the only thing in demand. This is not nearly enough to consume the increased cut in roses and carnations. The street fakers are having their innings and quantities of stock were removed by them which would otherwise have been an absolute loss. The cleaning up process on Saturday was accomplished at starvation prices and at closing time it would have been an easy matter to buy roses and carnations by the thousand in any of the wholesale houses. Bulbous stock of all kinds is plentiful and one redeeming feature is the good call for sweet peas, daisies, outdoor daffodils and Narcissus poeticus. Violets hereabouts are a thing of the past and the few being shipped to this market show the effects of the warm weather. Good smilax is scarce, but there is an abundance of other green goods.

April 4.—Receipts of stocks are still heavy with very little demand.

**NOTES.**

The next meeting of the Florists' Society will be held in the club rooms Jabez Elliott Flower market on Monday evening, April 11, and a full attendance is desired.

John Fischer, of Huntsville, Ala., was a caller on Friday and was being shown the sights by Will Murphy.

S.

**Euphorbia Jacquinæflora.**

The highly effective group of this brightly colored euphorbia that was exhibited by Mr. Prime, the able chief of the Hatfield House gardens, at the meeting of the Royal Horticultural Society, January 11, served to remind us once more of its usefulness in winter decoration. This group, however, did something more than this; it contributed materially to the attractions of the general display, it afforded an excellent object lesson, and the individual plants set up a standard which cultivators should endeavor to follow.

The color of the flowers is, it should be said, brilliant orange, and of a depth that would justify it being described as orange-scarlet. The flowers are arranged along the upper side of the elegantly arching stems, and with their background of bright green leaves can be utilized in decorations of the most divergent character.

It may be of interest to recall the fact that *Euphorbia jacquinæflora* is a native of Mexico, and to state that it was introduced to British gardens about 73 years ago. The first figure that was published in this country was in the volume of Paxton's Magazine of Botany for 1837, and this is of great excellence. The plant from which the spray illustrated was obtained was

# Richmond Bench Plants

Grafted stock, fine plants for out-door planting or replanting in the benches, cut back to about 18-inches; per 100, \$5.00.

**Kaiserin**, 2-inch pots, propagated last fall. Now ready to plant in the benches, \$4.00 per 100, or \$35.00 per 1000.

**Bassett & Washburn,**

Office and Store,  
76 Wabash Ave., CHICAGO  
Greenhouses, Hinsdale, Ill.

## FUCHSIAS

There are none better than **Little Beauty**, **Lord Byron**, **Renan** and **White Beauty**. Strong 2½-inch plants ready \$4.00 per 100. New **Heliotrope**, Miss Bernice a sport of **Mme. Brunt** and a great improvement on the latter 2½-inch \$5.00 per 100.



Katalog for the Asking.  
**SKIDELSKY & IRWIN CO.,**  
1215 Betz Bldg.,  
**PHILADELPHIA, PA.**

growing in the collection of Messrs. Luccombe Pince and Co., of Exeter. In this publication the plant was figured under the name of *Euphorbia fulgens*. A year later it was figured in the Botanical Magazine (t. 3, 675) under the name of *Euphorbia jacquinæflora*. Since that time the plant has received a full share of attention in gardening literature, and scores of articles must have been written explanatory of its cultural requirements.

These, it must be said, are of the simplest; but simple as they unquestionably are, they must be complied with. Were one to summarize, it might be said that the main essentials are early propagation, a brisk temperature, and a light position, with rather liberal supplies of water. The first step in raising a young stock is to cut the old plants back when their flowers have lost their beauty, and keep them rather dry for a time, and thus assist the wounds to heal over. With a temperature of about 70°, new growths will soon appear, and when three or four inches in length they should be taken off close to the old stems and utilized in the increase of stock. Sand is preferable to soil for rooting the cuttings, and they may be put singly in 2-inch or four or five in 5-inch pots. Those rooted singly will require shifting on until they reach 5 or 6-inch pots, according to their vigor or the purpose for which they are required. The others are potted off singly and shifted on until they reach pots of the sizes mentioned, but if rather large specimens are required they can without being divided be shifted into 8-inch pots. An excellent compost is one consisting of three parts each of peat and fibrous loam, and one part each of leaf-mold and silver sand.

When grown in a mixed collection where it is difficult if not impossible to give them a position near the glass, the results are seldom so satisfactory as could be wished. The best place for them is a spacious heated pit where they can at all stages be within a short distance of the glass, and enjoy uninterrupted light, except when a light shade is considered advisable. Here they should receive rather liberal supplies of water when they are becoming pot-bound, with an occasional supply of liquid manure of a moderate degree of strength. The pit should be moderately ventilated, and when it is closed in the afternoon a light overhead syringing will be beneficial. Here we have the code of culture in a nutshell, and, if anything further need be

## Geraniums

**ROOTED CUTTINGS**

Ricard and S. A. Nutt, ready April 20th.  
at \$10.00 per 1000.

**SPRENGER**

Extra fine, ready for 4-inch pots, first size, \$5.00 per 100; second, \$3.50 per 100. Samples for 10c.

**PLUMOSUS**

Good stock from rose pots at \$25.00 per 1000.  
Sample for 10c.

**ALBERT M. HERR,** Lancaster, Pa.  
*Mention the American Florist when writing*

## A New Fern NEPHROLEPIS GIATRASII

Awarded a Certificate of  
Merit by the Horticultural  
Society of New York.

**Prices:** In 2½-inch pots, \$3.50 per dozen; \$25.00 per 100; \$200.00 per 1000. 25 plants at 100 rates; 500 plants at 1000 rates. Orders delivered in rotation as received. **Now Ready for delivery,**

**GEORGE GIATRAS,**  
463 Summit Ave., West Hoboken, N. J.  
*Mention the American Florist when writing*

## SPECIALTIES.

**Roses**, from 3-in pots. **Chrysanthemums**  
**Carnations** for fall delivery. **Smilax**, **Violets**

**IN BEST VARIETIES.**

Prices low. Send for list.

**Wood Brothers,** FISHKILL,  
New York.  
*Mention the American Florist when writing*

said, it is to suggest that overcrowding should be avoided.—Gardeners' Magazine.

**DENVER, COLO.**—C. W. Torbert has been granted a building permit to erect a greenhouse. It will cost \$1,000.

**PHILADELPHIA, PA.**—Professor Stewardson Brown, as a part of the Ludwick course, gave an interesting lecture on "Our Native Wild Flowers" at the Academy of Natural Sciences, March 28.

**DAYTON, O.**—President Jacob Linxweiler, Jr., of the board of park commissioners, will suggest a city horticulturist and a department of caretakers for the trees of the city, at the next meeting of the park commissioners.





PANSY GERANIUM.

# Pelargonium

## NOVELTIES.

From 2½-in. pots, each, 25c; doz., \$2.50.

1 each of 6 vars., \$1.35; 3 each, \$3.65.

**Emanuel Lias**—Mottled rose and white.

**King Haakon**—Purple, dark blotch on lower petals.

**King of Spain**—Reddish purple, light center.

**Ladas**—Blush pink, upper petals blotched maroon.

**Lady Churchill**—Blush salmon.

**Prince Olaf**—Orange scarlet.

## STANDARD SORTS.

Extra strong 2½-in. pots (ready for 3-in.). \$1.50 \$10.00  
3 4 2.00 12.00

**Countess**—Clear salmon, white center.

**Dorothy**—Rosy salmon, blotched dark maroon.

**Goldmine**—Bright orange, one of the freest.

**Mme. Thibaut**—White, blotched maroon and rose.

**Mme. Vibert**—Fiery red, blotched maroon, edged pink.

**Mrs. R. Sandiford**—Pure white, double.

**Marie Mallet**—White, blotched maroon.

**Princess May**—Salmon rose, maroon blotches.

**Sandiford's Best**—Beautiful pink, white margin.

**Sandiford's Wonder**—Blotched white and red.

**Surprise**—Fiery red, black blotches, white margin.

**Tommy Dodd**—Lower petals blush, upper maroon and crimson.

**Mrs. Loyal**—The "Pansy Geranium."

# VAUGHAN'S SEED STORE

NEW YORK. All plants f.o.b. Western Springs "Spring Book for Florists." Ask for it. CHICAGO.

## Rooted Carnation Cuttings

For Immediate Delivery.

**ENCHANTRESS, PERFECTION, BEACON**, \$3.00 per 100; \$25.00 per 1000.

**ROSE PINK ENCHANTRESS and WINSOR**, \$2.50 per 100; \$20.00 per 1000.

We can fill orders from 1000 to 100,000 and guarantee the stock.

**J. D. THOMPSON CARNATION CO., JOLIET, ILL.**

## GOOD, CLEAN, HEALTHY

### 2-inch Stock

We have the following in surplus stock, a few thousand to dispose of:

**ROSES** Per 100 Per 1000  
**Maid and Bride**.....\$3.00 \$25.00  
**My Maryland, Mrs. Jardine and Beauty**.....\$6.00 50.00

## J. A. Budlong,

37-39 Randolph Street, CHICAGO.

LOS ANGELES, CALIF.—The Ingleside Floral Co. says that its sales at Easter this year were about 25 per cent greater than those of last at prices about the same. Lilies and spireas were scarce in plants, as were all outdoor cut flowers, but there was plenty of indoor grown. Everything sold up clean and the firm says it was undoubtedly the best Easter it ever had. Sunday was wet but nearly all orders had gone out on Saturday, so it did not affect trade.

## A. N. PIERSON, Inc. CROMWELL, CONN.

### Grafted and Own Root Roses

|                                                          | Per doz. | Per 100 | Per 1000 |
|----------------------------------------------------------|----------|---------|----------|
| <b>White Killarney</b> (Waban strain), grafted.....      | \$2.00   | \$15.00 | \$120.00 |
| Own root.....                                            | 1.50     | 8.00    | 75.00    |
| <b>Killarney</b> , grafted.....                          | 2.00     | 15.00   | 120.00   |
| <b>My Maryland</b> , grafted.....                        | 2.00     | 15.00   | 120.00   |
| Own root.....                                            | 1.00     | 6.00    | 50.00    |
| <b>Richmond, Kaiserin, Bride and Maid</b> , grafted..... | 2.00     | 15.00   | 120.00   |
| Own root.....                                            | 1.00     | 5.00    | 45.00    |

**Chrysanthemums** The best of the new ones and the best of the standards. Commercial varieties exclusively. We are booking orders for both rooted cuttings and plants from pots for present delivery.

**Our Catalogue** Contains the Carnation and Chrysanthemum lists. It includes our Rose list and the bedding stock. You need our catalogue. If you haven't received one, send for it. We can handle your order, whether it is large or small.

**For Fuller List of Plants** which we have to offer, see our full page advertisement in THE AMERICAN FLORIST of March 26th.

Mention the American Florist when writing

## Geraniums Coleus

|                                                       | 100     | 1000            | 100     |
|-------------------------------------------------------|---------|-----------------|---------|
| 8 varieties, my selection, 2½-in. pots. \$3.00        | \$25.00 |                 |         |
| <b>Asp. Sprengeri</b> seedlings.....                  | 1 00    | 7 00            |         |
| <b>Double Petunias</b> , .....                        | 3 00    |                 |         |
| 10 varieties of <b>Cannas</b> , 3½-in. pots. Apr. 1.. | 4 00    |                 |         |
| 10 varieties 2½-in pots, Apr. 1.....                  |         |                 | \$ 2.00 |
| 400 <b>Asp. Plumosus</b> , 2½-in pots .               |         |                 | 2 00    |
| <b>Alternantheras</b> , red and yellow. Apr. 1. ....  |         |                 | 2 00    |
| <b>Pansy Plants</b> small.....                        |         | \$2.50 per 1000 | 50      |
| <b>Pansy Plants</b> , large. Apr. 1 .....             |         |                 | 1 50    |

—Cash, No C. O. D.—

## JOS. H. CUNNINGHAM, Delaware, O.

POUGHKEEPSIE, N. Y.—Business was good in every respect with the Saltford Flower Shop at Easter, and better business or better weather could not be wished for.

WARREN, O.—A. T. Hoyt has sold part of his lot and this cut off part of his glass. He has about 5,000 feet left and will probably have the use of all of it for a year longer.



## Double Your Carnation Profits==Last Chance to Buy

The trade has certainly bought liberally of Carnation Dorothy Gordon this winter and spring—orders for rooted cuttings have taxed our producing capacity nearly to the limit, but we're proud of the stock we've sent out, and judging by their kind letters, our customers are pleased, too. And next winter, when all those splendid plants come to bloom and these florists begin to make money as they have never before made it from carnations, they'll be still better satisfied!

Have you delayed getting in your order for this magnificent new Carnation? If so, this advertisement is addressed to you; we have just a few thousand more cuttings in the sand for April 15th delivery and when these are taken, no more will be available till next winter.

The merit of this splendid new variety has been thoroughly proved, and the only possible loss you can experience in the matter is to let this opportunity slip by and stick to the old sorts you've been growing in the past.

# Carnation Dorothy Gordon

Has a splendid pedigree, a long list of good qualities and an enviable record of prizes and awards. It is a seedling of Lawson on Enchantress, possessing the principal merits of these varieties without their faults. It is vigorous in growth and is perfectly free from disease. Its flowers are a trifle darker than Pink Enchantress; they are borne in double the quantity, and are of exceptional size—averaging over 3 inches in diameter. They are very fragrant and keep exceptionally well. The market price paid for Carnation Dorothy Gordon is regularly 50 per cent. more than that paid for Enchantress.

From the very first Dorothy Gordon has established a splendid

record as an exhibition variety. High awards were given it at the meeting of the American Carnation Society in 1908 and at the National Gardeners' Association meeting in New York in 1909. This season it has attracted much attention and has won further renown at the Pittsburgh and Toronto meetings.

In order to give the trade a fair opportunity to test it thoroughly, we have from the first sold rooted cuttings at a price which would get it established everywhere. This low figure still prevails and the remaining stock will be sold at these prices: \$10.00 per 100; \$75.00 per 1000.

No further offers this season.

**JOSEPH HEACOCK COMPANY, Disseminators, Wyncote, Pa.**

## Pansy Plants

Large stocky plants in bud and bloom, the very best strain, at \$1.25 per 100, \$10.00 per 1000; smaller plants \$2.00 per 1000.

Stocks, Dusty Miller, Verbenas, Phlox, Alyssum, Heliotrope, Ageratums, Mme. Salleron Geraniums, Asp. Sprenger and Scarlet Sage, fine plants out of 2½-in. pots, \$2.00 per 100; 300 for \$5.00; \$15.00 per 1000.

Cabbage Plants for field, \$1.25 per 1000.

**J. C. SCHMIDT, Bristol, Pa.**

San Francisco.

TRADE QUIET.

Business for the past few weeks in the city has been rather quiet, but the Easter trade helped in a great measure to place the sales for the month of March far above the average. There was a good supply of nice stock in the market to meet all demands for the Easter trade. Cut lilies, roses, carnations, daffodils and Narcissus poeticus were plentiful. There was a scarcity of violets, due to the fact that the season is about over and also potted lilies, which did not reach a very high standard of quality.

At the last meeting of the Pacific Coast Horticultural Society the following committees were named by that body: By laws, flower show and picnic. The last named committee intends to arrange for a private picnic to be given some time during the month of July for the members of the society and their families.

S. R. Lundy, Pacific coast representative of W. A. Manda, South Orange, N. J., recently returned from an extended trip through the middle west. He reports business good.

Visitors: A. Ringier, representing W. W. Barnard & Co., Chicago, and J. R. Fotheringham, of F. R. Pierson Co., Tarrytown, N. Y.

ARTUS.

Cleveland.

Carnations, roses and sweet peas are very abundant, but have cleaned up remarkably well considering the immense quantities received daily since Easter. Easter lilies are not very plentiful; valley and violets sold well. Considerable stock is moved in job lots.

At the recent opening of the new store, or rather as a farewell to the old one, the J. M. Gasser Co. advertised that it would present to every caller a half dozen roses. This offer was made

## Carnations ROOTED CUTTINGS

|                                                 |         |          |
|-------------------------------------------------|---------|----------|
| Mrs. C. W. Ward .....                           | Per 100 | Per 1000 |
| Alma Ward .....                                 | \$12 00 | \$100 00 |
| Mrs. J. C. Vaughan, Bay State and Georgia ..... | 15 00   | 125 00   |
| Robert Craig, Afterglow and Enchantress .....   | 6 00    | 50 00    |
|                                                 | 3 50    | 30 00    |

New Crop Early Flowering Single Chrysanthemum Seed  
and Gold Medal Pentstemons

at 25c and \$1.00 per package.

**CHARLES H. TOTTY, Madison, N. J.**

## ASTERS and DAHLIAS.

ASTERS, Vick's early and late branching select colors strong transplanted plants, 2-in. per 100 \$2.00; per 1000 \$18.50.

Dahlia Roots, 5000 mixed to color, \$4.00 per 100; \$35.00 per 1000. Jack Rose, Ethel Schmidt, Sensation, Fringed 20th Century, Fringed Beauty, Gladys Rose Pink Century, Big Chief, at \$3.50 per dozen; \$25.00 per 100.

**R. VINCENT & SONS CO., White Marsh, Md.**

## List of 200 Roses

Bumper crops for spring delivery.

**THE LEEDLE FLORAL COMPANY**  
SPRINGFIELD-OHIO.

especially to the "army of salespeople" who were invited to "wear a rose to brighten the day." About 12,000 were given away.

Isaac Kennedy, West Park, has lost his wife after a long illness. Mr. Kennedy's place was almost completely demolished in last year's storm, from which he has not yet entirely recovered. His many friends extend their sympathy to himself and family in his hour of bereavement.

The Higbee opening, April 4, was perhaps the best ever. Many beautiful designs and baskets decorated the entire store.

C. B.

GREELEY, COLO.—The Gardner Floral Co. reports a 30 per cent increase in sales this Easter over last year at prices about the same and plenty of stock of all kinds.

## ROSES.

We have the following young roses to offer:

|                        |                  |
|------------------------|------------------|
| 1500 American Beauties | 800 Cardinal     |
| 2500 Richmonds         | 600 Chateaux     |
| 9500 Brides            | 200 Wootton      |
| 6500 Maids             | 1250 Golden Gate |
| 1250 Uncle John        | 1000 Killarney   |
| 1000 Kaiserin          | 350 Maryland     |
| 500 La France          | 500 Perle        |
| 900 Ivory              | 200 Palmer       |

Ask for our list of Soft Wooded plants.

|                           |                            |
|---------------------------|----------------------------|
| Vincas Extra Per 100      | Dracenas Per 100           |
| 500 2½-in. at.....\$ 5 00 | 200 4-in. large at \$25 00 |
| 1000 3-in. at..... 7 50   | 500 3-in. Cobeeas 7 50     |
| 2000 4-in. at..... 12 50  | 1000 3-in. Verbenas 7 50   |
|                           | 1000 2-in. 3 50            |
|                           | 1000 2-in. Double          |
|                           | Alyssum..... 2 50          |
| 20,000 Boston and White   | 3,500 Plumosus             |
| mani Ferns                | 5,000 3-in. Geraniums      |
| 3,000 Sprenger            | 5,000 4-in. Geraniums      |

**GEO. A. KUHL, Wholesale Grower, Pekin, Ill.**  
Mention the American Florist when writing

## Ferns for Dishes...

Assorted varieties, 2½-in. pots, \$3.50 per 100; \$30.00 per 1000. Cash with order.

**FRANK OECHSLIN**

**4911 Quincy St. CHICAGO.**  
Mention the American Florist when writing

Success in Business.

AMERICAN FLORIST Co.:

I enclose my check for subscription with thanks for the good information which the AMERICAN FLORIST contains. It has been practically the cause of my success in business. I have advanced already from 500 to 2,000 feet of glass.

IRVING LA DUE.

April 4, 1910.



# BEGONIA LORRAINE

**Leaf Cuttings** For immediate Delivery. Stock in excellent condition. 100 at \$12.00; 500 at \$50.00. Prices for larger quantities on application.

## Bay Trees Standards and Pyramids and Palms

In all sizes. Always on hand for Immediate Delivery. Write for Special Wholesale Price List.

## New Croton Fred Sander

per doz.; 5-in. pots, \$2.00 each; \$20.00 per doz. Delivery from Apr. 1.

A very striking variety. First Awards wherever exhibited. 3-inch pots, \$1.00 each; \$10.00 per doz. Largest stock of established plants in America. Fresh imported plants from the woods now arriving. Write for prices.

**Stove Plants, Box Trees, Blue Spruce and other Evergreens.**  
**JULIUS ROEHRS CO., Rutherford, N. J.**

## A FEW GOOD THINGS YOU WANT.

**Rex Begonia**, 2-in. \$5.00 per 100.  
**Asparagus Sprengeri**, 3-in. \$5.00 per 100.  
**Geraniums**, Nutt. Doyle, Perkins, Grant, La Favorite, R. C. \$1.25; 2-in. pots, \$2.00; 3-in., \$4.00 per 100; Vaud, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C. \$1.50; 2-in. pots, \$2.50; 3-in., \$5.00 per 100; Mme. Sallerol, 2-in., \$3.00 per 100.  
**Asparagus Plumosus**, 2-in. \$3.00 per 100; 3-in., \$5.00 per 100. Cut fronds 25c per bunch.  
**Boston Ferns**, 5-in. 25c each. **Whitman Ferns**, 4-in. 25c each.  
**Cycas Palms**, 4 to 5 leaves, \$1.00, \$1.50 and \$2.00.  
**Vinca Var.**, 2-in. \$2.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order.  
**GEO. M. EMMANS, Newton, N. J.**

## White Killarney, My Maryland, Pink Killarney.

2 1/4-in. plants. Booking orders now for future deliveries. **The Right Place—The Right Goods—The Right Price—Come and See Them Grow.**

|                                | 2 1/2-in. | 100     |
|--------------------------------|-----------|---------|
| <b>White Killarney</b> .....   | \$8.50    | \$75.00 |
| <b>Pink Killarney</b> .....    | 6.00      | 55.00   |
| <b>My Maryland</b> .....       | 6.00      | 55.00   |
| <b>Richmond</b> .....          | 5.50      | 50.00   |
| <b>Brides</b> .....            | 5.00      | 45.00   |
| <b>American Beauties</b> ..... | 7.00      | 65.00   |

3 1/2-in. sizes will be offered, when ready, at 40% increase over 2 1/2-in.

You cannot afford to buy poor stock at 50% less.

**CHRYSANTHEMUMS**, Rooted Cuttings and 2 1/2-in. Good commercial varieties. Price lists will be mailed on request.

**Poehlmann Bros. Co., Morton Grove, Ill.**

## Neph. Whitmani

2 1/4-in. .... 5.00 per 100  
**MAGNIFICA** (new), 2 1/4-in. .... 25.00 per 100

**Boston Ferns** 2 1/4-in., \$3.00 per 100.

**Henry H. Barrows & Son, Whitman, Mass**

Augusta, Ga.

We have ideal spring weather here. Flowers are plentiful indoors and out, the woods full of dogwood and jessamines, and a town full of tourists, all delighted with our town. The florists all report better trade than ever. Balk's were kept busy all week; they were in full crop with Bride, Killarney, American Beauty and Richmond roses; their Easter flowers were on time and of a superior quality. Spireas, azaleas, hyacinths and Easter lilies all sold well. Prices on lilies were from 50 cents to \$2 per plant.

**BELLEVIEW, ILL.**—E. W. Guy's greenhouses and gardens were destroyed March 24 by a fire of unknown origin. The loss is \$4,000.

## ORCHID PEAT, (Osmunda Fibre)

Finest quality, hand cleaned, free from sticks and dirt.

In chunks or handpicked ready for use.

Also Rotted and Azalea Peats, Leaf Mold, Live or Baled Sphagnum Moss.

Prices and samples on application.

**THE C. W. BROWNELL CO.,**

**WALDEN, N. Y.**

## Orchids..

We have changed our domicile from Secaucus, N. J., to Mamaroneck, N. Y. We are largest collectors and importers of Orchids and are now booking orders for all the commercial Cattleyas for delivery next spring.

**GARRILLO & BALDWIN, Mamaroneck, N. Y.**

## Salvias

**CLARA BEDMAN and BURNING BUSH**

2 1/4-in. pots, fine plants, \$2.00 per 100

**JOHN STONE, R. F. D. No. 3, Easton, Pa.**

## Snow-White Sport of Helen Frick Chrysanthemum

From 2 1/4-inch pots \$10.00 per 100.

Rooted cuttings, \$8.00 per 100.

Unrooted cuttings, \$5.00 per 100.

**HENRY EICHHOLZ, Waynesboro, Pa.**

## ORCHIDS...

Largest Importers, Exporters, Growers, and Hybridists in the World.

**SANDER, St. Albans, Eng.**

**NEW YORK OFFICE: T. MELLSTROM, Room 1, 235 Broadway. Agent.**

## ASPARAGUS PLUMOSUS

2-year clumps, 15c; 2-inch pots, strong. \$2.25 per 100; \$20.00 per 1000.

**IMPATIENS** in variety, strong, 2-inch, 3c.  
**BRIDESMAID ROSES**, 2-inch pots, 2 1/2c.

**W. W. Coles, Kokomo, Ind.**

## ASPARAGUS, Robustus

3-inch, strong, \$5.00 per 100. Per 1000  
**Asparagus**, Sprengeri, 3-inch strong.....\$5.00  
**Smilax**, 2 1/2-in. strong.....3.00  
**Vinca Var.**, 2 1/2, 3, 4 in.....\$3.00 \$5.00, 2.00  
**Geraniums**, Heteranthus and J. Doyle, 4-in.....7.00  
**Dormant Canna Roots**, Allemania, Penn-sylvania, Kate Gray.....2.50  
**King Humbert**, New York.....5.00

**WEST END GREENHOUSES, Hans Schmalzl, Prop. Lincoln, Ill.**

10,000

## Chrysanthemums

20 varieties—White, Yellow and Pink. R. C. \$1.50 to \$2.50 per 100; 2-in., \$2.50 to \$3.50.

**20,000 COLEUS**, 2-in. pots and rooted cuttings, 10 varieties, R. C. \$5.00 per 1000; 2-in., \$20.00 per 1000.

**6,000 CANNAS**, 3-in., \$5.00 to \$10.00; 4-in., \$8.00 to \$12.50.

**Started Fancy Leaved Caladiums**, \$20.00 to \$25.00 per 100.

**Started Tuberous Rooted Begonias**, \$12.50 to \$25.00 per 100.

**Started Gloxinias** .....\$12.50 to \$25.00 per 100  
**Verbenas**, 2-in., \$3.50; 3 in..... 7.50 per 100

**Pansies** .....\$20.00 per 1000; 2.50 per 100

50 varieties of **Soft Wooded Plants**.

Ask for list.

**FERNS, FERNS. ROSES, ROSES.**

Ask for lists.

**GEO. A. KUHL,**

Wholesale Grower, **Pekin, Ill.**

## Orchids

Arrived in fine condition: **Cattleya Warnerii**, **C. Harrisonia**, **C. Gaskelliana** and **C. Gigas** (Hardyana type); also **Dendrobium Phalaenopsis Schroederianum** and **Odontoglossum luteo-purpureum**.

**Lager & Hurrell, Summit, N. J.**

## Robert Craig Co... HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., **Philadelphia, Pa**

## Rooted Cuttings

Per 100 1000  
**Heliotropes**.....\$1.00 \$8.00  
**Daisies**, white.....1.00 8.00  
 and yellow.....1.00  
**Coleus**......70 6.00  
**Feverfew**, \$1.25 per 100; \$10.00 per 1000. About Express paid on rooted cuttings.

**S. D. BRANT,**

**Clay Center, Kans.**



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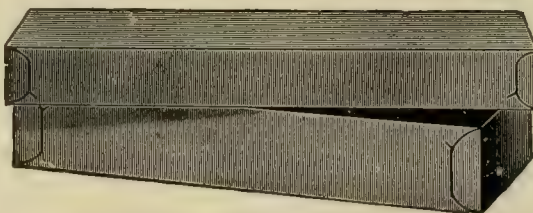
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Extra strong, healthy, bushy, full-grown 2½-in. stock, guaranteed to please; assortment of 12 best varieties, \$3 per 100; \$25 per 1,000; 250 at 1,000 rate. CIBOTIUM SCHIEDEL, king of ferns, the pride of every flower store. Orders booked now for young stock for growing on. Ready March, April and May. J. F. Anderson, Fern Specialist, Short Hills, N. J.

Ferns, assorted for dishes, 10 of the best varieties, strong, healthy, full grown plants, from 2½-in. pots, \$3 per 100; \$25 per 1,000; 3-in., \$6 per 100. Asparagus plumosus, 3-in. pots, \$6 per 100; \$50 per 1,000. Cocos Weddelliana, 2½-in. pots, 8 to 10 ins. high, \$10 per 100; \$85 per 1,000. Frank N. Eskesen, Madison, N. J.

Ferns, Improved Elegantissima, 4-in., \$3 per doz.; 6-in., \$9 per doz.; 8-in., \$12 to \$18 per doz. Superblissima, 4-in., \$3 per doz.; 6-in., \$6 to \$9 per doz.; 8-in., \$12 to \$18 per doz. Boston, Piersoni, Whitman, Scottii, 6-in., \$6 per doz.; 8-in., \$12 per doz. F. R. Pierson Co., Tarrytown, N. Y.

Ferns, Boston, 6-in., 75c each; \$8 per doz.; \$60 per 100; 7-in., \$1 each; \$10 per doz.; \$75 per 100; 8-in., \$1.25 each; \$14 per doz.; \$100 per 100; 10-in., \$2.50 each. Vaughan's Seed Store, Chicago and New York.

Ferns, Boston, Piersoni, Barrowsi, Scottii and Elegantissima, 2-in., \$3 per 100; 4-in., \$15 per 100. Wagner Park Conservatories, Sidney, O.

Nephrolepis Whitmanii, 4-in. pots, 8c each; 3-in. pots, 5c each; 2½-in. pots, 3c each; 2½-in., 2½c each; runners, 1c. Ley & Bro., Highland, N. Y.

Ferns for dishes, asst., 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

Fern Nephrolepis Glatrasii, 2½-in., \$3.50 per doz.; \$25 per 100; \$200 per 1,000. George Glatras, 463 Summit Ave., W. Hoboken, N. J.

Ferns, Boston, 3-in., 25c each. Whitmanii, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns, Whitmanii, 2½-in., \$5 per 100. Henry H. Barrows & Sons, Whitman, Mass.

Fern Whitmanii, 2½-in., 3c; \$25 per 1,000. John A. Doyle, Springfield, O.

### FEVERFEW.

Feverfew, from seed bed, 1½c; 2½-in., 3c. Mosback Greenhouse Co., Onarga, Ill.

Feverfew, R. C., 75c per 100 prepaid. Chas. Frost, Kenilworth, N. J.

### FICUS.

Ficus elastica, 22-24 ins., \$6 per doz.; \$50 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

### FUCHSIAS.

Fuchsias, 6 vars., 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

### GERANIUMS.

Geraniums, strong 2-in. stock, Heteranthe, Nutt, Jean Vaude, La Favorite, L'Aube, Hill, \$2 per 100; \$18 per 1,000. Our selection, \$17 per 1,000. Pamela, \$4 per 100. Anastasia Lecadre, \$3 per 100. Red Wing, the best novelty of the season, 25c each; \$2.50 per doz. Write for geranium catalogue. F. H. DeWitt & Co., Wooster, Ohio.

Geraniums, Nutt Ricard and Buchner, 3 and 4-in. pots at \$3 and \$6 per 100, all ready to shift. Sallerol, 3 in., must be shifted, \$3.50 per 100. 100 daisies, 4-in., bud and bloom, ready for 6-in., at \$10. Stock all A No. 1. Don't miss this chance. Platteville Floral Co., Platteville, Wis.

Geraniums, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Vaud, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$5 per 100. Mme. Sallerol, 2-in., \$3 per 100. G. M. Emmans, Newton, N. J.

Geranium, Ricard, Nutt, Buchner, from 2 and 2½-in. pots, extra fine lot of strong, cool grown plants, \$2.25 per 100; \$20 per 1,000; mixed, \$2 per 100; \$18 per 1,000. Well packed. J. R. Brooks, Oxford Depot, N. Y.

Geraniums, standard varieties, 2½-in., 3c each; \$25 per 1,000; 3-in., 6c each; \$50 per 1,000; 4-in., 10c each; \$90 per 1,000. Rose geraniums, 2½-in., 3c. Mme. Sallerol, 3-in., 4c. Mosback Greenhouse Co., Onarga, Ill.

Geraniums, Heteranthe and La Favorite, good, healthy 3-in. plants, ready for 4-in., \$3.50 per 100. Sallerol, 2-in., \$2 per 100. The East Lawn Gardens, Urbana, O.

Geraniums, Standard vars., 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. Ivy leaved, 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, dbl. Grant, Buchner, Gen. Grant, 2-in., 2c; Rose, 2-in., 2c; Sallerol, 2-in., 3c. Byer Bros., Chambersburg, Pa.

Geraniums, 8 vars., 2½-in., \$3 per 100; \$25 per 1,000. Jos. H. Cunningham, Delaware, O.

Geraniums, apple, 2-in., \$2; 3-in., \$4 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, Mme. Sallerol, 3-in., \$2.50 per 100. Wagner Park Conservatories, Sidney, O. Ill.

Geraniums, R. C. Ricard, S. A. Nutt, \$10 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Heteranthe, Doyle, 4-in., \$7 per 100. West End Greenhouses, Lincoln.

Rose geraniums, strong, 2½-in., \$2.50 per 100. Chas. Frost, Kenilworth, N. J.

### GREENS.

Greens, fancy and dagger ferns, \$2.00 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large bales, \$1.25; Leucothoe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch, 50 lbs., \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, dagger and fancy ferns, \$1.50 per 1,000. Bronze and green galax, \$1 per 1,000; \$8.50 per 10,000. Leucothoe Sprays, \$1 per 1,000; \$7.50 per 10,000. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, hardy ferns, \$1.25 per 1,000. Baled spruce for cemetery use. L. B. Brague & Son, Hinsdale, Mass.

Greens, southern wild smilax, Log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 33 W. 28th St., New York.

Greens, cut palmetto and cycas leaves, galax, leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

### HARDY PLANTS.

Dreer's special offer of hardy perennial phloxes. See page advertisement in this issue for prices and varieties. Henry A. Dreer, 714 Chestnut St., Philadelphia.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It



Hardy perennial plants. For varieties and prices, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Perennials. All of the most desirable varieties. Let us know your wants. Wagner Park Conservatories, Sidney, O.

Hardy perennials. Special prices on field-grown stock to close out. Write if interested. Mosbaek Greenhouse Co., Onarga, Ill.

Moonvines, 2½ in., \$5 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Perennials and other hardy plants. Pallsades Nurseries, Inc., Sparkhill, N. Y.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

## HELIOTROPES.

Heliotrope, Miss Bernice, 2½-in., \$8 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Heliotrope, R. C., prepaid, 75c per 100. Chas. Frost, Kenilworth, N. J.

Heliotrope, 2½-in., \$2.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Heliotrope, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Heliotrope, rooted cuttings, 75c per 100, prepaid. A. W. Higgins, Westfield, Mass.

## HOLLYHOCKS.

Hollyhocks, double field-grown, true to color, strong stalk, red, white, pink, yellow, maroon and black; colors separate. Also Allegheny or Everblooming in mixture, \$3 per 100; \$25 per 1,000. Going fast. Order today. Cash. W. W. Wilmore, Box 382, Denver, Colo.

## HYDRANGEAS.

Hydrangea Arborescens Grandiflora Alba. The true large flowering forcing variety, warranted true, 2½-in. pots, \$3 per 100; 1-year field-grown, strong, 12 to 18 inches, \$6 per 100; \$55 per 1,000. New trade list ready. Write for it today. The Good & Reese Co., The Largest Rose Growers in the World, Springfield, O.

Hydrangea Arborescens Grandiflora. We have the largest stock of strong 2-year plants in America. Plants 2 to 3 feet, \$2.50 per doz; \$15 per 100; \$140 per 1,000. Good plants, 15 to 20 inches, \$10 per 100. List free. E. Y. Teas, Centerville, Ind.

Hydrangea Arborescens Grandiflora Alba (grown from stock obtained from The E. G. Hill Co.). Field grown 15 to 20 ins., \$7 per 100; \$65 per 1,000; a smaller size, \$5 per 100; 2½-in., \$3 per 100; \$25 per 1,000. John A. Doyle, Springfield, O.

Hydrangea paniculata, grandiflora, 18 to 24 ins., 6c; 2 to 3 ft., 5c. Dingee & Conard Co., West Grove, Pa.

## IVY.

Ivy, English, pot-grown plants, 4-in. pots, 3-ft. long, 3 to 5 branches, \$12 to \$15 per 100. A. L. Miller, Jamaica Opp. Schenck Ave., Brooklyn, N. Y.

Ivy, hardy English, 4-in. pots, very bushy, 3 to 4 ft. tall, \$15 per 100. John Reck & Son, Bridgeport, Conn.

German Ivy, R. C., prepaid, 50c per 100. Chas. Frost, Kenilworth, N. J.

Ivy, German and parlor, 2-in., \$2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

## JERUSALEM CHERRIES.

Solanum, Jerusalem cherries, seedlings, 1c each. Mosbaek Greenhouse Co., Onarga, Ill.

## LANTANAS.

Lantanas, 5 vars., 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

## LILACS.

Lilacs. Jacs Smits, Naarden, Holland.

## LILY OF THE VALLEY.

### To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

### From Storage.

Lily of the valley, cold storage, 250, \$3.50; per 1,000, \$13. W. C. Beckert, Northside, Pittsburg, Pa.

Lily of the valley, H. N. Bruns, 3040 W. Madison St., Chicago.

## LOBELIA.

Lobelia Kathleen, Mallard, and Newport Model, 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

## MYOSOTIS.

Myosotis, early flowering, 3-in., \$4 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

## MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

Mushroom Spawn. Sure crop, \$8 per 100 lbs. Weeber & Don, 114 Chambers St., N. Y.

## NURSERY STOCK.

Seedlings. Green Ash, Am. Elm. Box Elder, 6-12 ins., \$1.25; 12 to 18 ins., \$3; 18-24 ins., \$4; 2-3 ft., \$5.50. Box Elder, 3-4 ft., \$7; 4-5 ft., \$10 per 1,000. Cuttings; Norway Poplar, \$5 per 1,000; \$40 per 10,000; \$150 per 50,000; \$250 per 100,000. M. Niobe Willow, Vitellina Willow or Trichocarpus Poplar, \$2.50 per 1,000; \$20 per 10,000; \$44 per 25,000. Carolina Poplar, \$15 per 10,000; \$31 per 25,000; \$60 per 50,000; \$110 per 100,000. White or Grey Russian Golden and Laurel leaved Willow, \$12.50 per 10,000; \$27.50 per 25,000; \$50 per 50,000; \$90 per 100,000. Devil's Lake Nursery, Devil's Lake, N. Dak.

Nursery stock, evergreens, shade and ornamental trees, shrubs, vines, trained dwarf and standard fruit trees, grape vines, small fruits. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, Clematis, ampelopsis, tree hydrangeas, lilacs, shrubs, vines and perennials. Jackson & Perkins, Newark, N. Y.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock arbor vitae (Thuya occidentalis), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Viburnum plicatum, 2 to 3 ft., 12c. Dingee & Conard Co., West Grove, Pa.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

## ORCHIDS.

Orchids importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchid peat, rotted azalea peat, leaf mold, live or baked sphagnum moss. C. W. Brownell Co., Walden, N. Y.

Orchids. Largest stock in the country. Ask for prices. Julius Roehrs Co., Rutherford, N. J.

Orchids, all commercial, cattleyas and novelties. Carillo & Baldwin, Seacaucus, N. J.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

## PALMS.

Palm seeds. For prices and varieties see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Palms, Kentias, in 2½-in. pots, \$8 per 100; \$75 per 1,000. Jackson & Perkins Co., Newark, N. Y.

Palms, Kentias. Joseph Heacock Co., Wyncote, Pa.

Palms, Bobbink & Atkins, Rutherford, N. J.

## PANSIES.

Ready now, 250,000 fine large, fall transplanted pansies in bud and bloom. Superb strain; the finest market strain grown. A trial order will convince you that they are the best you ever had. You need them for your particular trade. Price, \$1.25 per 100; \$10 per 1,000. Cash with order. Leonard Cousins, Jr., Concord Junction, Mass. Telephone 82 Concord.

50,000 field-grown pansy plants. They never saw either a cold or hot bed, strong, husky plants; beautiful blooms. They are the kind that sell and please, \$20 per 1,000. Albert A. Sawyer, Pansy Specialist, Pansy Garden, Oak Park, Ill.

Pansy plants, large, strong plants from cold frames, in bud and bloom, fancy strain, \$2.50 per 100; \$18 per 1,000. H. Skelcher & Sons, R. 4, Webster Grove, Mo.

Pansy plants, Kenilworth strain from fall sown seed, prepaid, 50c per 100; large, \$1; 1,000 by express, \$3; large, \$8. Chas. Frost, Kenilworth, N. J.

Pansy plants, large, strong, field-grown, in bloom, \$1 per 100, mixed colors. The Brill Celery Gardens, Kalamazoo, Mich.

Pansy plants, 50c per 100; \$2.50 per 1,000; large plants, \$2.50 per 100. Jos. H. Cunningham, Delaware, O.

Pansies, fine strong plants, \$5 per 1,000. Mosbaek Greenhouse Co., Onarga, Ill.

Pansies, \$2 per 1,000. J. C. Schmidt, Bristol, Pa.

## PELARGONIUMS.

Pelargoniums, novelties, 2½-in., 25c each; \$2.50 per doz. Emanuel Lias, King Haakon, King of Spain, Ladas, Lady Churchill, Prince Olaf. Standard sorts, 2½-in., \$1.50 per doz.; \$10 per 100; 3-in., \$2 per doz.; \$12 per 100; Countess, Dorothy, Goldmine, Mme. Thibaut, Mme. Vibert, Mrs. R. Sandford, Marie Mallet, Princess May, Sandford's Best, Sandford's Wonder, Surprise, Tommy Dodd, Mrs. Loyal, Vaughan's Seed Store, Chicago and New York.

## PEONIES.

Peonies, all vars., Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars., W. & T. Smith Co., Geneva, N. Y.

Peonies only by the wholesale. Best 100 varieties, J. F. Rosenfield, West Point, Neb.

Peonies, a superb collection. Jackson & Perkins Co., Newark, N. Y.

## PEPPERS.

Celestial peppers, from seed bed, \$1 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

## PETUNIAS.

Petunias, dbl. mixed, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. Dreer's single, same price. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Petunias, unrooted cuttings, 40c per 100; \$3 per 1,000; rooted, \$1 per 100; \$7.50 per 1,000. J. Lietzan, Geneva, Ill.

Petunias, dbl. fringed, 5 good vars., rooted cuttings, 1c. J. L. Schiller, Toledo, O.

Petunias, double mixed, 3-in., \$5 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Petunias, dbl., \$3 per 100. Joseph H. Cunningham, Delaware, O.

## PRIMULAS.

Primula obconica, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

## PRIVET.

50,000 California privet and Ampelopsis Veltchii, field-grown. Benj. Connell, Merchantsville, N. J.

California privet, 10 to 15 inches, branched, \$10 per 1,000. Larger sizes at low rates. E. Y. Teas, Centerville, Ind.

## RHODODENDRONS.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

## RESURRECTION PLANTS.

Resurrection Plants.—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis E. Lester Company, Dept. L. S., Mesilla Park, N. M.

## ROOTED CUTTINGS.

Rooted cuttings: Heliotrope, \$1 per 100; \$8 per 1,000; daisies, \$1 per 100; Coleus, 70c per 100; \$6 per 1,000; Feverfew, \$1.75 per 100; \$10 per 1,000; petunias, \$1.25 per 100; \$10 per 1,000; salvias, \$1 per 100; \$8 per 1,000; alyssum, 80c per 100; ageratum, 60c per 100; \$5 per 1,000. S. D. Brant, Clay Center, Kans.

Rooted cuttings, prepaid per 100: Heliotrope, \$1. Fuchsias, 8 kinds, \$1. Paris daisies, \$1. Cuphea, 75c. Vinca var., 90c. Coleus, 10 kinds, 60c. Alternantheras, 3 kinds, 50c. Ageratum, 3 kinds, 60c. Swainsona alba, \$1. Dbl. petunias, 10 kinds, \$1. Byer Bros., Chambersburg, Pa.

## ROSES.

Roses, for varieties and prices, see page advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Roses, Bridesmaid, 2-in., 2½c. W. W. Coles, Kokomo, Ind.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About it



Roses, Crimson Rambler, 2-yr., own roots, \$2 per doz.; \$15 per 100; 2-yr., budded, \$3 per doz.; \$15 per 100; 3 yr., budded, \$3 per doz.; \$18 per 100; 4-in., \$10 per 100. Tausendschon, 2-yr., dormant, grafted, \$3.50 per doz.; \$25 per 100. Lady Gay, 2-yr., dormant, \$3 per doz.; \$20 per 100. Am. Beauty, budded, \$2 per doz.; \$15 per 100; Gen. Jack, Mrs. Laing, \$1.75 per doz.; \$14 per 100; Paul Neyron, \$2 per doz.; \$15 per 100; John Hopper, Fisher Holmes, \$1.75 per doz.; \$14 per 100; Gen. Washington, Gruss an Teplitz, \$2 per doz.; \$15 per 100. Vaughan's Seed Store, Chicago and New York.

Roses, White Killarney, R. C., \$6.50 per 100; \$60 per 1,000; 2½-in., \$8.50 per 100; \$75 per 1,000. Pink Killarney, R. C., \$4 per 100; \$35 per 1,000; 2½-in., \$6 per 100; \$55 per 1,000. My Maryland, R. C., \$4 per 100; \$35 per 1,000; 2½-in., \$6 per 100; \$55 per 1,000. Richmond, 2½-in., \$5.50 per 100; \$50 per 1,000. Brides, 3½-in., \$5 per 100; \$45 per 1,000. Am. Beauties, R. C., \$4 per 100; \$35 per 1,000. 2½-in., \$7 per 100; \$65 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

#### ROSE PLANTS, 2½-INCH POTS.

|                       |     |      |
|-----------------------|-----|------|
| American Beauty ..... | 100 | 1000 |
| Kaiserin .....        | 4   | 35   |
| Mrs. Jardine .....    | 4   | 35   |
| Killarney .....       | 5   | 45   |
| Bride .....           | 3   | 25   |
| Bridesmaid .....      | 3   | 25   |
| Richmond .....        | 3   | 25   |

#### WIETOR BROS.

51 Wabash Avenue. Chicago.

Roses, White Killarney, grafted, \$2 per doz.; \$15 per 100; \$120 per 1,000; own root, \$1.50 per doz.; \$8 per 100; \$75 per 1,000. Killarney, grafted, \$2 per doz.; \$15 per 100; \$120 per 1,000. My Maryland, grafted, \$2 per doz.; \$15 per 100; \$120 per 1,000; own root, \$1 per doz.; \$6 per 100; \$50 per 1,000. Richmond, Kaiserin, Bride and Maid, grafted, \$2 per doz.; \$15 per 100; \$120 per 1,000; own root, \$1 per doz.; \$5 per 100; \$45 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

Roses, 1,000 Heien Gould, 300 Pink Baby Ramblers, 500 Newport Fairy, 1,000 Dorothy Perkins, 12c. 2,000 Tausendschon, 20c. Sweetheart, Trier, Lady Gay, La Flamma, Debutante, Hiawatha, Tannus, 12c. The Dingee & Conard Co., West Grove, Pa.

Roses, grafted and own root, Killarney, Richmond, My Maryland, White Killarney, Kaiserin, Bride and Bridesmaid. W. H. Elliott, Brighton, Mass.

Roses, Killarney, 2½-in., 4c. Perle, 3-in., 5c. Chatenay, 2½-in., 3c. J. F. Ammann, Edwardsville, Ill.

Roses on own roots, budded, bedding, H. Ps., hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Taft rose, 2½-in., \$15 per 100. J. M. McCullough's Sons Co., 316 Walnut St., Cincinnati, O.

Roses, Bride, Maid, Golden Gate, 3-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

Roses, Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

Roses, leading varieties. Leedle Floral Co., Springfield, O.

Rose Dorothy Perkins. Ellwanger & Barry, Rochester, N. Y.

Roses, 3-in., Wood Bros., Fishkill, N. Y.

#### SALVIAS.

Salvias, Clara Bedman and Burning Bush. 2½-in., \$2 per 100. John Stone, R. F. D. 3, Easton, Pa.

Salvias, Zurich, Bonfire and Drooping Spikes, 2½-in., \$2.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Salvia Bavaria, (the white Zurich) 1910 introduction, 2-in., \$1 per doz. J. L. Schiller, Toledo, O.

#### SEEDS.

HYBRID GERBERAS (Adnet's strain). Crop 1910, \$9 per 1,000 seeds; \$60 per 10,000 seeds, from the originator. Cash. Adnet, Antibes, France.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, sweet peas, for varieties and prices, see advertisement elsewhere in this issue. Weeber & Don, 114 Chambers St., New York.

Seeds, onion, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, Phoenix Roebeleni. Sander, T. Mellstrom, Representative, 235 Broadway, New York.

Seeds, specialties, Stocks, pansies, cyclamens, etc. Pape & Bergmann, Quedlinburg, Germany.

Seeds, Cauliflower Danish Snowball, \$6.50 per lb. Cabbage Danish Ballhead, 50c per lb. Ditlev Eltzholtz & Co., Ringe, Denmark.

Seeds, 1,000 lbs. Catalpa speciosa. A. J. Lockyear, Sta. A.6, Evansville, Ind.

Seeds, Stokes' standard. 219 Market St., Philadelphia.

Seed, pansy, 1,000 seeds, 25c; 1 oz., \$2.25. H. Wrede, Luneburg, Germany.

Seeds, sweet peas, Christmas Pink and Denzer, \$2 lb. Chas. H. Totty, Madison, N. J.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, Landreth Seed Establishment. Bloomsdale Farms, Bristol, Pa.

Seeds, Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Vegetable seeds, plants, sold direct. Catalogue free. Glick Seed Farms, Lancaster, Pa.

Seeds, Bermuda onion. Federico C. Varela, Teneriffe, Canary Islands.

Seed, asters. Vick & Hill, Box 4613, Rochester, N. Y.

Seeds, garden, field and flower. S. D. Woodruff & Sons, 82-84 Dey St., New York.

#### Contract Growers.

Seeds, peas, beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, field, garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, sweet peas. Anton Zvolanek, Boundbrook, N. J.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohnert, Gilroy, Calif.

Seeds, Cauliflower and cabbage. Hjalmar Hartman & Co., 31 Barclay St., New York, and 12 Stormgade, Copenhagen.

Seeds, growers for the wholesale trade only. Braslan Seed Growers' Co., San Jose, Calif.

California seed contracts. Kimberlin Seed Co., Santa Clara, Calif.

#### SMILAX.

Smilax, 2½-in., \$3 per 100. West End Greenhouses, Lincoln, Ill.

Smilax. Wood Bros., Fishkill, N. Y.

#### SPIREAS.

Spiraea Japonica, 6-in., 25c each; \$2.50 per doz. Vaughan's Seed Store, Chicago and N. Y.

Spires. J. Smits, Ltd., Naarden, Holland.

#### STEVIA.

Stevia, R. C., prepaid, 75c per 100. Chas. Frost, Kenilworth, N. J.

#### SWAINSONA.

Swainsona alba, 2-in., \$2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

#### VEGETABLE PLANTS.

Vegetable plants, beet, 20c per 100; \$1.25 per 1,000. Egg plant, 40c per 100; \$2 per 1,000. Pepper, Bull Nose, Sweet Mountain, Ruby King, 40c per 100; \$2 per 1,000; Tomato, small plants, Earliana, Early Jewel, Dwarf Stone, Champion, Ponderosa, Matchless, 30c per 100; \$2 per 1,000. Tomato, small plants, Stone, Paragon, Favorite, Success, 20c per 100; \$1 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Vegetable plants from seed bed, cabbage, cauliflower, celery, egg-plants, lettuce, peppers and tomatoes. Special prices in large quantities. Write if interested. Mosbaek Greenhouse Co., Onarga, Ill.

Extra heavy Asparagus roots, \$1 per 100; \$4 per 1,000. Mosbaek Greenhouse Co., Onarga, Ill.

#### VERBENAS.

Verbenas, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lemon verbenas, R. C., prepaid, 75c per 100. Chas. Frost, Kenilworth, N. J.

Verbenas. J. L. Dillon, Bloomsburg, Pa.

#### VINCAS.

Vinca minor, the hardy vinca for cemetery planting and under trees, where grass will not grow; well rooted layers, \$1.50 per 100; \$10 per 1,000. E. Y. Teas, Centerville, Ind.

Vinca, 2½, 3 and 4-in., \$3, \$5 and \$7 per 100. West End Greenhouses, Lincoln, Ill.

Vinca variegated, 2½-in., \$2.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Vinca var., R. C., prepaid, 75c per 100. Chas. Frost, Kenilworth, N. J.

#### VIOLETS.

VIOLETS, Baronne A. de Rothschild in making good everywhere, as the most free and most fragrant single in cultivation. Size and stem equal to Princess, color a shade darker. Rooted runners or divisions, ready in April. Book your order now, at \$6 per 100; \$50 per 1,000. F. W. Fletcher Co., Auburndale, Mass.

Violets. Wood Bros., Fishkill, N. Y.

#### WISTARIA.

WISTARIA SINENSIS. Nice thrifty plants, \$2.50 per 100; \$20 per 1,000. Wagner Park Conservatories, Sidney, O.

#### TO EXCHANGE.

To exchange, 2-in. alyssum for coleus. Wm. Winter, Perry, O.

#### MISCELLANEOUS.

Clara cemetery vases, 12 ins., \$2.50 per doz.; barrel of 3 doz., \$6. Vaughan's Seed Store, Chicago and New York.

Plant bed cloth, waterproof sheeting, hay caps, etc. Henry Derby, 123 F. Chambers St., N. Y.

Pillsbury's Carnation Staple, 50c per 1,000 postpaid. I. L. Pillsbury, Galesburg, Ill.

#### PHOTOGRAPHS.

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

#### POTS, PANS, ETC.

The Red Pot. C. C. Pollworth Co., All roads connect with Milwaukee.

Pots, florist red. Peters & Reed Pottery Co., Zanesville, O.

Pots. Syracuse red. Syracuse Pottery Co., Syracuse, N. Y.

#### STAKES.

Cane Stakes. Standard grade 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000. Pipe stems about 6 feet, per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

#### WIRE DESIGNS.

Headquarters for wire work. Send for list. F. W. Ball, 31 E. 3rd St., Cincinnati, O.

Best. Cheapest, 150,000 designs always in stock. Quick delivery. Scranton Florist Supply Co., Scranton, Pa.

#### WIRE HANGING BASKETS.

WIRE HANGING BASKETS. 10-in. \$1.25 per doz. 16-in. \$2.40 per doz. 12-in. \$1.75 per doz. 18-in. \$4.00 per doz. 14-in. \$2.00 per doz. Scranton Florist Supply Co., Scranton, Pa.

Wire baskets. D. U. Augspurger & Sons Co., Box 773, Peoria, Ill.

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Quickly and easily Mended.  
No tools required.

"Nothing 'just a good.'" **EL PASO CARNATION CO.**  
Sample free.

**Pillsbury Carnation Staple**  
2000 for \$1.00 postpaid.

**I. L. PILLSBURY,**  
Windsor, Ont.      Galesburg, Ill.  
Mention the American Florist when writing

Now is the time to make up

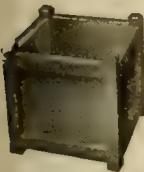
# WIRE BASKETS

For spring selling.  
We Have the Best Basket in the Market.  
Try them this season.

10-in.....\$1.50 per doz.; \$12.50 per 100  
12-in..... 2.00 per doz.; 15.00 per 100  
14-in..... 3.00 per doz.; 20.00 per 100


**D. U. Augspurger & Sons Co.**  
Box 778,      PEORIA, ILL.

## MISSION PLANT BOXES.



Are the best and cheapest plant boxes in the market for large plants, boxwoods, bay trees, etc. They are attractive in design strong and durable. Suitable for either outdoor or indoor use. Write for prices.

**WAGNER PARK CONSERVATORIES,**  
Sidney, Ohio.



**Superior**  
Crimped Invisible  
**Carnation Staple**

(PATENT APPLIED FOR.)

For repairing split carnations. 1000 for 50 cents Postpaid.

**L. J. WAITE, 293 Main St., Springfield, Mass**

SAVANNAH, GA.—A. C. Oelschig & Son calculate their increase in Easter sales at about 30 per cent, and prices did not advance over the usual, there being plenty of all kinds of stock. Lilies, azaleas and hyacinths sold better than spireas. Customers nearly all bought Easter presents and decorative plants were wanted for that purpose.

# Ammoniated Lawn Lime

**Kills Weeds.      Makes Grass Grow.**

Applied as a light top dressing to lawns it kills all flat leaved weeds such as **Dandelion, Daisy, Plantain, Sorrel, Chickweed, Moss, etc.,** in 48 hours and without other fertilizer produces a wonderful, luxuriant, rich, green growth of lawn grass—which is distinctly noticable 50 feet away.

The use of Ammoniated Lawn Lime supersedes hand weeding of lawns, putting greens, etc. It saves the grass from being pulled up and in many cases ruined. Grasses take a new vigorous growth, avoiding probable trouble in the future.

**Quantities:** If very weedy 1-lb. to 40 square feet, 25-lbs to 1000 square feet, (20x50). Half to one-quarter amount if moderately weedy.

**ABSOLUTELY GUARANTEED.** Money refunded if not satisfactory.

We want **Seedsmen or Florists as agents and distributors** in every important city and town.

**Retail Prices:** 2-lb. cans, 25c, 50 cans per case. 5-lb. cans 50c, 20 cans per case. Bags, 25-lbs. \$2.00; 50-lbs. \$3.50; 100-lbs. \$6.00; 1000-lbs. and over 5c per lb.

Descriptive Circular and Wholesale Prices on Request.

## SUPERIOR CHEMICAL CO.,

(Incorporated.)

**Louisville.      Kentucky.**

## The "Meyer Green Silkline"



is the only Green Thread that should be used by florists and growers. It is guaranteed full weight and full measure.

Also **Violet Thread** for tying up Violets. Price of both, \$1.25 per lb. express or freight paid in good sized orders.

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## Evergreen Brand Flower Fertilizer.

A Pure Plant Food immediately available. It permanently enriches the soil. It prevents the onslaught of plant diseases or insect pests. Can be used at any time during the growing season, dry or in solution. Put up in 12 pound cans, Price, \$2.00 each.

**For Sale by Leading Jobbers**

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**D. D. JOHNSON CO., 64-66 Wabash Ave., CHICAGO.**      **Manufacturers,**

## The Mastin Automatic Whitewash and Spraying Machine

**Is Reliable, Practical and Durable**



The tank is made of galvanized sheet steel, and in brass.  
The pump is of brass throughout, simple and powerful.  
The mixing device keeps the contents of the tank well stirred up from start to finish.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

All parts are made to gauge and may be had for repairs.  
Ask your dealer about our **Extension Hose, Extension Rods,** and the **Mastin Whitewash Nozzle** for Bordeaux mixture.  
Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

**J. G. MASTIN & CO., 3124 West Lake St., CHICAGO, ILL.**



**WILKS'****Hot Water Boilers**

ARE THE MOST ECONOMICAL

**Boiler for Greenhouses**No Night Fireman Required  
with our**SELF-FEEDING HOT WATER BOILERS.**

Send for Catalog and Prices.

**S. WILKS MFG. CO.,**

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**Steel Return Tubular Boilers**The Most Economical Type of Boiler  
for Greenhouse Heating. Highly  
recommended by well-known florists.**JOHNSTON HEATING CO.,** 138 E. 31st St.,  
NEW YORK.

KEEP A

**Holly Standard Circulator**

busy and watch results.

**SUB-TARGET GUN COMPANY**  
Steam Engineering Department,

316 High Street

BOSTON, MASS.

**Concord Junction, Mass.**

Pansies have wintered better than ever in this section, owing to the heavy covering of snow on them all winter. All hands will soon be busy at Leonard Cousins, Jr.'s, establishment on pansies, geraniums and other bedding plants, which are shipped to florists all over the country. The advance orders now in indicate a heavy demand for this class of goods this season. Pansies have been a specialty here for 15 years, and his "Superb" strain is the result of years of painstaking selection of stock. All the seed is home grown from the best plants among the many thousands grown here.

Carnations are one of the main products here. Among the varieties grown are White Perfection, which succeeds here admirably. About 10,000 of this variety will be planted next season in the new large house which is being erected by the King Construction Co. Beacon is grown for red and does well, and Winsor, which carried an enormous crop of blooms for Easter, will be grown quite extensively next season. Variegated Lawson is one of the standbys and came in just right for Easter. No. 20, a bright pink kind, produces an abundance of blooms during the winter and fills the bill for that color. No. 14, another new light pink variety originating here, is of large size and pleasing color and takes well with the retail buyers. This will be tried out in quantity. A batch of promising seedlings, in light pink, dark pink and white, will be planted next season and their virtues or failings noted, as Mr. Cousins believes it is profitable for the grower to produce his own individual stock. Easter trade was the best ever. His carnations were just right in supply, the quality being fine, and sold at good prices.

**PUEBLO, COLO.**—G. Fleischer reports his total sales for Easter as about the same as those of last year. Carnations were cheaper than last year and there was plenty of all stock. Cheap plants sell best here, and there is no call for large baskets.



## The Hump That Humps

It's the hump in the Corrugated that makes the other boilers hump themselves to match it for economy. It may not be a beautiful hump, but it makes a coal bill that's good to look at—and that's what counts.

For many purposes there is not a boiler its equal for greenhouse heating economy, which statement is not "hot air," but coal facts.

We were greenhouse heating engineers years before we began building greenhouses and we have been building greenhouses over a quarter of a century. It stands to reason we thoroughly know both ends of the business—and we do. Write us.

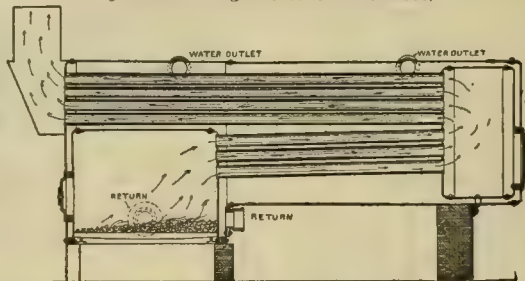
**Hitchings & Company**  
Elizabeth, N. J.

**The Superior Standard****RETURN FLUE FIRE BOX BOILER**

contains more heating surface, and less water space than any other steel boiler.

 $\frac{2}{3}$  of the heating surface is in the tubes.

Ask the  
man that  
knows the  
one using  
different  
style boilers  
—names are  
yours for  
the asking.



After using  
our boiler  
one season,  
you will say  
like all  
others:  
Nothing but  
"Superior"  
for me.

This boiler has given better satisfaction than any other boiler on the market  
**MADE IN NINE (9) SIZES FOR HOT WATER.**

Send for catalogue and list of growers that are using this boiler.

**THE SUPERIOR MACHINE & BOILER WORKS, 840 -850 Superior St., Chicago.****THE KROESCHELL BOILER**

is the only perfect

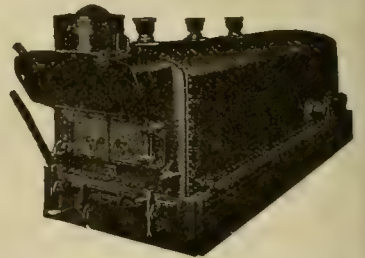
**HOT WATER BOILER.**

We manufacture every type of boiler in use, but our greenhouse boiler, because of its special construction, possesses many advantages over any other type.

Prices and catalogue on application.

**KROESCHELL BROS. CO.**

452 W. Erie St. CHICAGO



**BANGOR, ME.**—A 25 per cent increase over those of last year is Adam Sekinger's Easter record of sales. Lilies were higher in price and more could have been sold. Roses were slow, but carnations and violets had a heavy demand. All the churches decorated and every one wanted lilies.

**OGDEN, UTAH.**—F. J. Hendershot says his sales this year at Easter were 25 per cent greater than those of last at similar prices. Lilies were very short in the stem, but there was plenty of all kinds to go around. The spring is too early according to Mr. Hendershot.



# EXTRA BENCH ROOM



At this time of the year the capacity of every greenhouse is taxed to its limit. **Bench Room** is the one important feature to consider. Remember how well

## Shelf Brackets

will relieve this situation, and save time, trouble and room. The **Lightest, Strongest** and most **Durable** on the market. Made for 3-4 to 2-inch pipe.

Net Prices: 12-in., single, 18c each; 8-in., single, 14c each; 8-in., double, 20c each.

Please mention size of pipe post when ordering. Remit small amounts in stamps or Money Order.

**King Iron Frame Greenhouses** are still leading, and if you "Ask the man who has one, you will know why." **This Iron Frame covers many acres in the United States, England, France and Germany.**

# King Construction Co.

Address Lock Box 623-C.

N. TONAWANDA, N. Y.

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### VENTILATING MACHINERY

The original machine with self-oiling cups. The most powerful, least complicated very compact, with ease of operation.

### The New Duplex Gutter

Over six miles in use and highly recommended by all. The only **Drip Proof** gutter on the market.

### The Standard Return Steam Trap

It has no equals for simplicity or its working. Catalogue free.

E. HIPPARD, Youngstown, Ohio.

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## Materials and Plans

for any size and style of

## GREENHOUSE

for new structure or repairs.

**Hot Bed Sash** In stock or any size required.

### Pecky Cypress

for benches, lasting and least expensive.

**The Foley Mfg. Co.,**

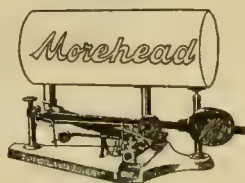
Western Ave and 26th St. CHICAGO.

## Plant Bed Cloth

For Florists Gardeners, Truck Farmers, etc. Protects from frost. Best shade in summer. Sold by leading seedsmen.

Waterproof Sheeting, Hay Caps, Etc.

HENRY DERBY, 123 F. Chambers St., New York.



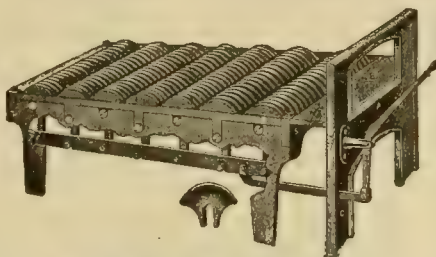
## Morehead Steam Traps

The Morehead Return Steam Trap is specially designed and constructed for greenhouse steam heating plants. It fills the dual capacity of steam trap and feed water pump. It will create conditions enabling the florist to grow better flowers; save on fuel, water and labor bills, and derive general all around satisfaction from the installation.

Send for "Florist Trap Book."

MOREHEAD M'F'G. CO., Dept. N, Detroit, Mich.

## The Grate Does It!



Saves 10 to 25% of the coal your boiler is using.

Positive guarantee given

Send for circular "N" and our famous Lecture on Combustion.

U. S. ROCKING GRATE BAR CO.,

77 Jackson Boulevard,

CHICAGO.

Use our patent  
Iron Bench  
Fittings and  
Roof Supports.

## THE JENNINGS IMPROVED IRON GUTTER.



### IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

**DILLER, CASKEY & KEEN,**  
S. W. Corner Sixth and Berk Streets PHILADELPHIA.

VENTILATING  
APPARATUS.

SANTA CRUZ, CALIF.—We sincerely regret to hear of the death of Mrs. King, wife of W. E. King, of Pennsylvania avenue, which occurred at her home March 25. Mr. King closed his business during Easter.



Tobacco Paper

IS THE  
STRONGEST  
BEST PACKED  
EASIEST APPLIED

24 sheets.....\$ 0.75  
144 sheets..... 3.50  
288 sheets..... 6.50  
1728 sheets..... 35.10

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville Ky.

# “Nico-Fume” LIQUID

OVER 40% NICOTINE

By far the  
CHEAPEST

JUST NOTE PRICES

Pint.....\$ 1.50  
½ Gallon..... 5.50  
Gallon..... 10.50  
5 Gallons..... 47.25

Furnishes the  
Most Nicotine for the Money!

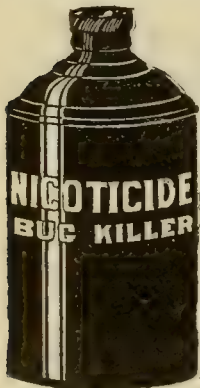
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INSECTICIDE AND FUNGICIDE  
For the Garden, Orchard and GreenhouseNon-poisonous and harmless  
to vegetation.

Kills Green Fly, Aphides, Bark Lice,  
Thrips Mealy Bug, Red Spider,  
Scale, Wire Worms, Ants  
and Slugs.

This is the grower's friend. Handy to  
use, cheap and effective, mixes readily in  
water. Destroys all insect pests and  
keeps down filth. Circulars on appli-  
cation. \$1.50 per gallon. Also in  
quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,  
FLUSHING, N. Y.



THE BEST  
Bug Killer and  
Bloom Saver

For PROOF  
Write to

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COMPANY,  
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PRICE LISTS.

HALFTONES, ENGRAVINGS and

PRINTING FOR FLORISTS.

358 Dearborn Street, CHICAGO.

ABERDEEN, S. D.—About 40 per cent  
greater than last year is Richard  
Strohmeir's report of his Easter trade  
with prices about the same and plenty  
of stock of all kinds. Mr. Strohmeir  
says that the sales were small individ-  
ually, but there was a lot of them and  
the cheapest plants sold best. Lilies  
roses, carnations and bulbous stock  
sold well, but valley and violets were  
out of it.

## Sold by Seed Dealers all over America

Used 25 Years.



KILLS THE

Currant Worm,  
Potato Bug,  
Cabbage Worm,  
Slug on Roses,  
Caterpillars,  
Aphis on Roses,  
Bugs on Melons,  
Cut Worms,  
Sow Bugs,  
Lice on Fowls,  
Curculio on Plums,  
Tobacco Worms, &c.

For pamphlets on Bugs and Blight, write to

B. HAMMOND, Fishkill-on-Hudson, N. Y.

## Wired Toothpicks

10,000, \$1.75; 50,000, \$7.50. Manufactured by

W J. COWEE, Berlin, N. Y.  
Sample free. For sale by dealers.

SHAWNEE, OKLA.—The Brenner  
Floral Co. has added a new green-  
house, 42x145 feet, to its plant.

green flies and  
black ones too

are easy to kill with

The Fumigating Kind Tobacco Powder  
\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back;  
why try cheap substitutes that makers do  
not dare to guarantee?

THE H. A. STOOFF CO., MOUNT VERNON, N. Y.



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POT MAKERS FOR 140 YEARS

WORLDS LARGEST MANUFACTURERS

WRITE FOR CATALOG AND DISCOUNTS.

**A. H. HEWS & CO.**Established 1765,  
CAMBRIDGE, MASS.452-460 No. Branch St.,  
CHICAGO ILL.Pearson Street,  
LONG ISLAND CITY, N.Y.

## THE ART OF Floral.... Arrangement.

The first special newspaper in  
the world for floral arrangement.

400 Partially Colored Illustrations Annually.

Specimen number free.

Subscription, \$2.90 yearly.

**BINDEKUNST-VERLAG,**  
J. Olbertz, ERFURT, GERMANY.

Mention the American Florist when writing

**Now is the Time**  
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Published weekly. The Largest  
Brightest and Best British Trade  
Publication. Also

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numbers, One Dollar. (Interna-  
tional money order). Subscribe  
today and keep in touch with  
European markets and topics.The Horticultural Printing Company,  
BURNLEY, ENGLAND.

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## Florists' Refrigerators

Write us for catalog and prices, stating  
size you require, and for what kind of cut  
flowers you wish to use the refrigerator;  
also state whether you wish it for display  
or only for storage.**McCray Refrigerator Co.**

960 Mill Street, KENDALLVILLE, IND.



## Kramer's Pot Hangers

For sale by Wholesale Seedsmen, Florists  
and Supply Dealers.Price, \$1.00 per dozen by express. Sample  
dozen by mail, \$1.25.**I. M. KRAMER & SON, Cedar Rapids, Iowa**

## NEPONSET PAPER POTS.

HEADQUARTERS

Waterproof,  
Don't Break,  
Cost Little.**VAUGHAN'S SEED STORE,**  
Chicago and New York.

Mention the American Florist when writing

## Those Red Pots

"STANDARDS"

Full size and wide bottoms.

BULB PANS and AZALEA POTS

DETROIT FLOWER POT M'FY

HARRY BALSLEY, Detroit, Mich.  
Rep. 490 Howard St.

## Standard Flower Pots

Porosity and Strength  
Unsurpassed.

Write for prices.

**A. F. KOHR**

2934-36-38 Leavitt St.,

CHICAGO

COLORADO SPRINGS, COLO.—F. F.  
Crump reports greater sales at Easter  
than last, with better prices on plants,  
which were just about equal to the  
demand. The demand for plants is on  
the increase here.

## Standard Flower Pots!

Packed in small crates, easy to handle

| Price per crate              | Price per crate             |
|------------------------------|-----------------------------|
| 1500 2-in., in crate, \$4.88 | 144 6-in., in crate, \$3.16 |
| 1500 2 1/4 " " 5.25          | 120 7 " " 4.20              |
| 1500 2 1/2 " " 6.00          | 60 8 " " 3.00               |
| 1000 3 " " 5.00              | 48 9-in., in crate, \$3.60  |
| 800 3 1/2 " " 5.80           | 48 10 " " 4.80              |
| 500 4 " " 4.50               | 24 11 " " 3.60              |
| 456 4 1/2 " " 5.24           | 24 12 " " 4.80              |
| 3 0 5 " " 4.51               | 12 14 " " 4.80              |
| 210 5 1/2 " " 3.78           | 6 16 " " 4.50               |

Seed pans, same price as pots. Send for price  
list of cylinders for Cut Flowers. Hanging  
Baskets, Lawn Vases, etc. Ten per cent off for  
cash with order. Address**HILFINGER BROS. POTTERY:** Fort Edward, N.Y.or AUGUST ROLKFF & SONS, New York Agents  
31 Barclay Street, New York City.

Mention the American Florist when writing

## All The Clay

FOR OUR

## Florists' Red Pots

Is prepared by passing through a screen  
1600 meshes to the square inch. If in a  
hurry for pots order from us. We ship  
over five lines of railroad by river or  
interurban. Write for catalogue showing  
all the articles we make for florists' use.**THE PETERS & REED POTTERY CO.**

ZANESVILLE, OHIO.

**GEO. KELLER & SON,**  
Manufacturers of

## Red Pots

Before buying write for prices.  
2614-2622 Herndon St.,  
CHICAGOAlways mention The American Florist  
when you order stock.



## The Allied Trades

Descriptive particulars—with drawings or photographs, if possible—of any new apparatus or device which may prove helpful to the trade are solicited for this department.

### Plants and Cold.

It has always been more or less of a puzzle, even to the scientist, to decide how certain plants are able to survive the winter in the leafy condition. It is sometimes stated that the cells of such plants are so small that freezing the water in them does not rupture the cell walls, or even that the cells do not contain sufficient moisture to make its freezing a disturbing feature. A Swedish botanist has recently offered another explanation to the effect that such plants, at least in northern Germany and Scandinavia, contain sugar instead of starch during winter and that the sugar in some way protects the protoplasm from freezing.—American Botanist.

### The Cost of Fertilizers.

It is surprising, even amusing, to note that some agricultural societies and farmers' unions are clamoring for lower prices on commercial fertilizers and while it is a well-known fact that practically every element that goes into the manufacture and composition of commercial fertilizers has advanced greatly in price the last few years, as have also all classes of labor that produce the goods, according to an authority on fertilizers. In the past two or three years, animal ammoniates have more than doubled in price, and the overhead charges in the fertilizer business have increased greatly.

And against this, agriculturists and planters are receiving a much higher price for all of their products than they did a few years ago. Taking all these facts into consideration, it would quite naturally seem that the prices of commercial fertilizers advance, instead of being reduced.

### The King's Gardener.

Some very interesting popularly-written notes on Mr. Mackellar and his duties recently appeared in "M. A. P." "Sometimes an order will come in the morning to Windsor for a large consignment of cut flowers and for several bouquets to be sent at once to Buckingham palace. A special staff of gardeners is put on to cut the required flowers, which are then inspected by the head gardener, who directs what blooms are to be used in the making up of the bouquets and the particular way in which they are to be designed. A bouquet for her Majesty is always composed of pure white flowers; the Princess Victoria likes the introduction of purple into a bouquet, and the Princess of Wales favors cream and crimson roses more than any other flowers. The garden-in-chief is not, as is the manner with guides, at all loquacious. He thinks that the beauty of the gardens should speak for themselves, though he may sometimes enlighten visitors on their historical aspect, which is extremely interesting. Occasionally, however, he comes upon a real horticultural enthusiast as he did when the Queen of Italy visited the Frogmore gardens some years ago, and to such the head gardener delights to point out the really wonderful and beautiful results that can be achieved in a garden under modern scientific methods."

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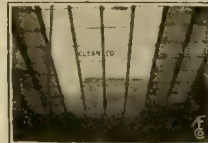
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# THE AMERICAN FLORIST



*America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."*

Vol. XXXIV.

CHICAGO AND NEW YORK, APRIL 16, 1910.

No. 1141

## THE AMERICAN FLORIST

TWENTY-FIFTH YEAR.

Copyright, 1910, by American Florist Company.  
Entered as Second-Class Matter Nov. 11, 1891,  
at the Post Office at Chicago, Illinois,  
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

**AMERICAN FLORIST COMPANY,**

324 Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Eastern Office: 1133 Broadway, New York.

Philadelphia, Pa.: Robt. Kift, 1725 Chestnut St.

Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a  
year; Canada, \$2.00; Europe and Countries  
in Postal Union, \$2.50. Subscriptions  
accepted only from the trade. Vol-  
umes half yearly from August, 1901.

Address all correspondence, subscriptions, etc.,  
American Florist Co., 324 Dearborn St., Chicago.

### SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

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WM. F. KASTING, Buffalo, N. Y., Treas. Next  
meeting at Rochester, N. Y., August, 1910.  
Second National Flower Show, Boston, Mass.,  
March, 1911.

### THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at  
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### AMERICAN PEONY SOCIETY.

Seventh annual meeting at Horticultural Hall,  
Boston, Mass., June 1910. B. H. FARR, Reading,  
Pa., Pres.; A. H. FEWKES, Newton Highlands,  
Mass., Sec'y.

## MORE TALKS TO THE CUSTOMERS

W. N. RUDD has written a series of seasonable articles for the National Council of Horticulture press service, which are so full of practical suggestion for those numerous florists, seedsmen and nurserymen who have to deal personally with many of their customers at this season of the year that we print them in full herewith, so that none of our readers may miss them. Employers will find this excellent material for their assistants and clerks. Every employe who comes in contact with customers should be familiar with the facts here set forth.

### How to Have Good Geraniums.

No plant is so easy to grow, nor so free from disease and insects as the geranium. It stands neglect and abuse and carries itself bravely, putting forth an occasional bloom, even when conditions are such that other plants would pine and die. Truly it is the lazy man's (or woman's) flower. It demands little skill for its growing, and repays better than almost any other plant, the little effort required to attend to its few wants.

Geraniums are sold so cheaply by the florist, and there are so many beautiful new varieties, that it hardly pays to grow one's own plants. It is, however, perfectly feasible to carry the old plants through the winter in the house in pots, but such plants do not bloom enough inside to make good house plants, and are not so good to plant out in the spring as the strong, young, vigorous plants obtained from the florist. The old house plants, if used, should be cut back thoroughly—down to six inches from the ground, as they are generally long-legged and spindly and will never make good, vigorous, shapely plants otherwise. It is also possible to grow geraniums from cuttings rooted in the house, but one has to wait a long time for such plants to grow and bloom.

The geranium bed should be in a sunny place. If too shady they grow long and slender, produce abundance of large leaves, but do not bloom. The soil in the bed should not be too rich. A little old rotted manure worked into the soil is all they need. In over-rich soil they grow too rank and do not bloom so well. Geraniums, unlike many other plants, will do well year after year in the same bed. Many people have trouble getting plants out

of the pots, and yet it is a very simple matter. Turn the pot upside down, supporting the soil with the left hand, the stem of the plant between the fore and middle fingers. Hold the bottom of the pot in the right hand, and with a sharp downward motion strike the top, still turned downward, a sharp blow on a box or block of wood—the handle of a wheelbarrow is good if one has been using it and it is near by. The pot will then slip off easily, leaving the plant with the ball of earth in the left hand. If it does not come off, hit it again, a little harder—no need to break the pot, however.

If the roots are densely matted, pinch them to break them apart and loosen them. No matter if you break some of the roots—it will do no harm. Plant them firmly a little deeper than they were in the pots. Give the bed a good thorough soaking and then let them alone, except to keep the top soil stirred and the weeds down. Don't be everlastingly squirting water on them with the hose. They don't like it. Run your hand into the bed occasionally, and if the under soil (never mind the surface) is moist, keep on letting them alone. If moderately dry, give them a thorough soaking, loosen the soil the next day and then go back to the let-alone practice.

Don't sprinkle. When they must have water, soak them down to the roots and loosen the top soil next day.

One can hardly understand why half the geraniums grown are red, when there are so many other beautiful and delicate colors and shades; however, there is no disputing about taste in such matters; but, any way, don't plant geraniums in a round bed and in the center of the lawn. It dwarfs the place and spoils all artistic effect.

**Turn Your Surplus  
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See Page 607.**



### Trees in Place and Out of Place.

Among many good people who use more sentiment than reason, or who lack knowledge of the facts, it has become a fad to say it is a crime to cut down a tree and that it is always, and under any circumstances, an act of greatest virtue to plant one.

To one who gives thought to the matter, these accepted axioms may be reversed; and we can say with all seriousness and all truth, that there is no town in this country where the judicious use of the axe among the trees in some part of it or another, is not demanded; and, on the other hand, thousands of trees are being planted where no tree should ever be placed.

Each variety of fruit or ornamental tree, when it reaches maturity under reasonably favorable conditions, has its established size or spread of branches. Among the better shade trees commonly planted, this reaches 40 to 50, and even a greater number of feet in diameter. In dense forests we see the trees stretching up and up, after the precious sunshine and air; losing their side branches and becoming a collection of giant telegraph poles with pitiful little bunches of green at the top; nothing beautiful about them, and all smaller and weaker specimens killed out or crippled.

Every tree, to be beautiful, must have room to expand and develop to its proper proportions, and to retain the side branches with which nature always furnishes them, under such conditions, unless thwarted by the bungling hand of the hired man with the axe or saw.

Street trees should never be planted to be ultimately nearer than 40 feet apart. Most of the better shade trees are slow in growth. It is quite advisable to plant quicker growing trees in between them for immediate effect, to be cut out later when they begin to crowd and injure each other.

Quite often when this time comes, the poorer, quick-growing tree is so much larger and finer looking a specimen, that the owner's heart fails him, and he compromises by hacking off the branches of all, ruining the whole row and, at that, only affording temporary relief, as it must be done again, and again. In a few years the poorer and short-lived trees begin to die, and soon only a straggly row of melancholy cripples exists, where might have been noble specimens, good for generations to come.

Trees should never be planted so as to densely shade a building where humans or animals abide. The sun must reach every part of our dwellings for at least a part of the day, or the doctor will be a certain and frequent visitor.

Trees must not be planted in the center of the lawn. At the side or the rear is the place for them if they will there have room to develop. A spreading apple tree or two in the backyard is good for shade and for its fruit—if it is sprayed to kill the insects and fungous diseases.

If the house is densely shaded, use the axe ruthlessly and open the place up to admit air and light. If two trees are crowding each other, select the best, or best located, and put the axe

to the other, unless it is small enough to move.

Don't trim up—cut down. One perfect tree is of more value than a yard full of crippled or stunted specimens.

### Primula Obconica.

The accompanying illustration of *Primula obconica* is from a photograph of a plant grown by Henry Schmidt of Union Hill, N. J. Mr. Schmidt makes a specialty of *Primula obconica* and grows especially the Ronsdorfer hybrids, which he considers best in point of size of flower and color. The plant figured is *P. obconica lilacina*, a fine lilac colored variety, growing in a 6-inch pot.

### House and Soil for Sweet Peas.

ED. AMERICAN FLORIST:

What do you consider a modern sized greenhouse for sweet peas and chrysanthemum growing, and how would the soil have to be prepared?

F.

Sweet peas and chrysanthemums may be grown in almost any sized



*Primula Obconica.*

house, but the most modern and best construction is anywhere from about 20 feet up in width, the length depending entirely upon how much money can be spent upon it. Houses from 100 to 200 feet are excellent. Growers do not usually provide the best of soil for these two crops and soil that has grown a crop of roses or carnations is often livened up with a little fresh and used for them. An excellent article on the preparation of soil for roses appeared in our issue of April 9, page 528, and a good idea can be obtained from this, though soil for sweet peas or chrysanthemums is not needed so rich as for roses and less manure may be allowed.

VINELAND, N. J.—Miss Lealman has opened a retail store at the Bijou.

HACKENSACK, N. J.—The contract for the erection of a greenhouse for John D. Carroll of Teaneck has been let to Steenland Bros., of Palisade Park.

TAMPA, FLA.—The city will soon have another up-to-date establishment. It will be situated on two Tampania tracts at the junction of Grand Central avenue and Bay boulevard, two prominent thoroughfares. Newaman, of Boston, is at the head of the enterprise.

## THE RETAIL TRADE

### Basket of Rambler Roses and Hyacinths.

The simplest forms of decoration are often the best and nothing could be simpler or prettier in its way than the elegant Easter basket depicted on the opposite page. This was the work of Wm. J. Smyth, of Thirty-first street and Michigan avenue, Chicago, and is in that well-known decorator's best style. At Easter, Memorial day and similar festivals these baskets are greatly in demand and every retailer should make up few or many, according as his trade demands. They show a good profit, as a far higher price can be charged than for the plants used in their making, while the time taken in making them is not very considerable. Lightness and grace in arrangement, and, at the same time, a fairly full appearance to satisfy the customer are the principal points to study in these baskets, a good eye to color effect being also a useful asset to the decorator.

### The Pansy Window.

Using pansies at this time of the year for a novel window display is most opportune and will lend to a great deal of ingenuity. Where the window has sufficient depth a hanging basket for the center composed of three round flat baskets with a sufficient border to allow it to be filled with growing pansies, to make it as long lasting as possible, is full of suggestions. These three baskets can be attached together by means of a stout chain or rope which, in turn, can be covered with asparagus vine. This vine may extend in strands below the last basket and be gathered together in the center where a small round ball of pansies can be suspended. Each tray basket can be filled with a different color pansy if desired.

The many beautiful shades of lavender found in the large spring variety make a brilliant showing. Do not mix them, but group them in one tone effect. On the ground floor of the window groups in boxes or potted can be arranged so as to have the low Italian garden effect, grouping the same shades as used in the hanging basket effect, leaving a vacant space under where the basket hangs and covering this with green moss.

Back of this arrangement a curtain of asparagus vine or southern smilax will give a pretty setting. If a touch of color is desired a row of boxes filled with growing yellow tulips arranged along the back of the window and close to the green curtain makes a striking contrast. If a still further touch of yellow is desired yellow pansies could be attractively used as a border to the crescent effects on the ground or whatever figure is most appropriate for the size of the window to be decorated. Lobelias can also be used effectively where an odd color combination is desired.

If an elaborate setting is desired, a mirror placed under the hanging basket—reflecting its pansies of many lavender hues—lends to the attractiveness, or a pond with a small stream of water spouting up to the hanging baskets is a good setting. Gold fish could be used advantageously in the pond.

A. E. KLUNDER.





BASKET OF RAMBLER ROSES AND HYACINTHS BY WM. J. SMYTH, CHICAGO.



### New Store at Cleveland, O.

We take pleasure in giving herewith an illustration of the new retail store of Mrs. Ella Grant Wilson, on Euclid avenue, Cleveland, O. About a year ago a cyclone wrecked Mrs. Wilson's store completely and, in consequence, she has been doing nothing in the way of retailing for nearly a year. But the new store has led to great activity, and it is certainly a model one. It was opened on March 17. The opal refrigerator is 8x10x10 feet and has front and rear compartments and a double plate glass bay front. The



CANNA KING HUMBERT AT MT. GREENWOOD CEMETERY, CHICAGO.

Expert Judges Say it is the Best Canna to Date.

store is 18x80 feet with a light basement the whole length, giving ample storage facilities. The color scheme is light green walls with white fixtures, the whole producing a pleasing soft toning that gives to all colors in plants and flowers their full value. We are very pleased to note that this enterprising lady has come out of her troubles so well, and she has our sincerest wishes for a prosperous future in this fine new store.

### New Store at Wilkesbarre, Pa.

The illustration herewith shows the new store, "The Fernery," at Wilkesbarre, Pa., recently opened by Mrs. I. Herbert. Judging by the reception given it in the local press and its fine appearance, Mrs. Herbert has reason to be proud of her new store. Hundreds of people visited it on the opening day and it was a revelation to most of them in the possibilities of tasteful and effective arrangement of cut flowers and plants. The store itself is finished in green and white and presents a charming appearance, while the large and well assorted display of palms and ferns and cut flowers of all kinds was a decidedly attractive one. Some handsome novelties in baskets were also shown and the fixtures throughout were tastily arranged, the window treatment being strikingly unique. Souvenirs consisting of carnations, were distributed throughout the day to the visitors. Mrs. Herbert has been in business for some time, with headquarters on West Northampton street and her prospects for success in the new location are exceptionally bright.

SEDALIA, Mo.—The Archias Seed Store has purchased the greenhouses, business and good will of Gelven & Son of this city at a cost of \$20,000. Owing to ill health Joseph Gelven had to retire from business, but Chas. Gelvin is retained as manager.

## THE CANNA.

### Notes on Cannas.

Cannas have been universal garden favorites for a long time and they will always be regarded as one of the most beautiful and useful of bedding plants. Their noble foliage and handsome flowers place them in the front rank of bedding plants. Few subjects in plants have ever been taken in hand which have so richly rewarded the hybridist's labor. The great number of varieties listed in the cata-

logue embracing a range in form and colors astonishing in itself, and it is equally surprising to note the number which are added each year. It seems each year as though the height of perfection is reached, and yet, when we see the results of the hybridizer in new introductions, we have to confess that there are improvements in many ways.

What the future will bring forth no one can say. In looking back 20 years I still can see those old fashioned cannas we used in decorating beds of tropical and sub-tropical character—all tall growing varieties with very small flowers. One could not use a canna bed in floral displays; they were not effective enough and were mostly used in connection with other tall growing plants. When one thinks of the wonderful progress made in cannas inside of a quarter of a century, one naturally wonders what they will look like 25 years hence. It would be very difficult, indeed, today for the average florist and private gardener to do his bedding without the canna. For large beds there is nothing that can beat it. From the end of June until cut down by frost the plants are flowering profusely and improving in appearance right along.

Amongst the newer cannas, of which a good number are of American origin, we have some splendid varieties. Some of the best tall growers with red flowers and green foliage are A. Bouvier, Beaute Poitevine, Flamingo, Duke of Marlborough, D. Eisele and Chas. Henderson. In crimson foliage and red flowers—King Humbert, David Harum, Egandale and Leonard Vaughan Express, Crimson Bedder, Premier and Pres. McKinley are some of the best dwarf ones in red. In red, gold edged, we have Queen Charlotte, Mme. Crozy, Souv. de Antoine Crozy and Cinnabar. In pink and salmon shades (green foliage) we have Martha Washington, Mlle. Berat, Virginia and Betsey Ross. In whites (green foliage) Alsace and Mont. Blanc; in yellow (green foliage), Buttercup, Richard Wallace, Long Island and Florence Vaughan. Those varieties are about the best bedders, as far as I know of, here in the northwest. All are of the large flowering Crozy type.

Undoubtedly there are some more varieties worthy of mention like Venus, Papa Nardy, Milwaukee, Queen of Holland, also the orchid flowering and the ornamental foliage varieties, but I think the varieties mentioned above are about the best bedders on which we can rely. In conclusion I wish to say that there are very few of the newer varieties which are not worth a good trial for they nearly all show some improvements in one line or the other.

LOUIS BOEGLIN.



FIELD OF CANNAS AT VAUGHAN'S GREENHOUSES, WESTERN SPRINGS, ILL.



## Canna Work at Cornell.

ED. AMERICAN FLORIST:—

I read with interest the article by Antoine Wintzer on cannas in your issue of April 2. My attention was especially attracted by his remark that some experiment station ought to take upon itself to make a collection of the various varieties, in order to keep the nomenclature straight, to reduce the list, and to give out a statement each year of the value of novelties.

The division of floriculture here (Cornell University Experiment Station, Ithaca, N. Y.) has had that very thing in mind, and a start has already been made. Arthur T. Boddington, New York, and Prof. Cowell, of Buffalo, have been kind enough to send us 49 varieties of cannas this spring as the nucleus of a collection, and all we want now is the co-operation of seedsmen and growers in order to make the work thoroughly effective. I therefore beg you to do me the favor to make it known to your readers that the division of floriculture would be very glad to receive new varieties of cannas from any who are sufficiently interested to furnish them. The following varieties are now on hand:

Alice Roosevelt, Allemannia, Alphonse Bouvier, Alsace, Austria, Beate Poitevine, Black Beauty, Black Prince, Brandywine, Buttercup, Chas. Henderson, Cinnabar, Comte de Bouchard, Crimson Bedder, David Harum, Duke of Marlborough, Egandale, Explorateur Crampbell, Express, Florence Vaughan, Gladiator, Indiana, Italia, J. D. Eisele, King Humbert, Kronus, L. Patry, Leonard Vaughan, Louise, Louisiana, Mlle. Berat, Mme. Crozy, Mrs. Kate Gray, Mrs. W. F. Kasting, Musæfolia, Newburg, Pennsylvania, Pillar of Fire, Premier, Pres. McKinley, Queen Charlotte, Richard Wallace, Robusta, Shenandoah, Souvenir d'Antoine Crozy, Tarrytown, Tennyson, W. N. Rudd and Wyoming.

L. B. JUDSON.

## Grass.

Lying in the sunshine among the buttercups and the dandelions of May, scarcely higher in intelligence than the minute tenants of that mimic wilderness, our earliest recollections are of grass; and when the fitful fever is ended, and the foolish wrangle of the market and forum is closed, grass heals over the scar which our descent into the bosom of the earth has made, and the carpet of the infant becomes the blanket of the dead. Grass is the forgiveness of nature—her constant benediction. Fields trampled with battle, saturated with blood, torn with the ruts of cannon, grow green again with grass, and carnage is forgotten. Streets abandoned by traffic become grass-grown like rural lanes and are obliterated. Forests decay, harvests perish, flowers vanish, but grass is immortal. Beleaguered by the sullen hosts of winter, it withdraws into the impregnable fortress of its subterranean vitality, and emerges upon the first solicitation of spring. Sown by the winds, by the wandering birds, propagated by the subtle horticulture of the elements which are its ministers and servants, it softens the rude outline of the world. Its tenacious fibers hold the earth in its place, and prevent its soluble components from washing into the wasting sea. It invades the solitude of deserts, climbs the inaccessible



NEW "WINTZER" CANNAS OF THE CONARD &amp; JONES CO., WEST GROVE, PA.

Rosea Gigantea (Rose Pink). Meteor (Deep Crimson).  
 Gladiiflora (Crimson and Rose). Mont Blanc Improved (White) Minnehaha (Pink Gold Shaded).

slopes and forbidding pinnacles of mountains, modifies climates and determines the history, character and destiny of nations. Unobtrusive and patient, it has immortal vigor and aggression. Banished from the thoroughfares and the field, it abides its time to return, and when vigilance is relaxed, or the dynasty has perished, it silently resumes the throne from which it has been expelled, but which it never abdicates. It bears no blazonry of bloom to charm the senses with fragrance or splendor, but its homely hue is more enchanting than the lily or the rose. It yields no fruit in earth or air, and yet should its harvest fail for a single year, famine would depopulate the world.

JOHN J. INGALLS.

STOCKTON, CALIF.—The San Joaquin Floral Co. nearly doubled its sales this year at Easter at rather better prices. Plants were scarce, as were cut lilies. In plants, lilies, azaleas, heaths, cyclamens and primulas were most in demand, lilies, carnations, roses and bulb stock being the best sellers in cut flowers. The weather was wet, but this did not hinder trade. There were no outdoor flowers to speak of.

CLEVELAND, O.—Frank Smith is visiting in Bristol, Conn.

GARY, IND.—Franzen & Little have opened a flower and tree store at 644 Broadway.

DAYTON, O.—The Montgomery Horticultural Society held its regular monthly meeting April 6.

NORFOLK, CONN.—Robbins Stoeckel is planning to erect a greenhouse on his Litchfield road property.

CHIPPewa FALLS, WIS.—A severe hailstorm damaged many greenhouses here April 4. The storm, however, broke the longest period of drought ever experienced in this section at this time of the year.

PORTLAND, ORE.—Clarke Bros say their sales at Easter this year showed an increase over those of last of about 30 per cent at prices about the same and plenty of stock. Easter lilies were most in demand as plants, though there was a fair call for azaleas, hydrangeas, roses, etc. The gardens around were full of bulbous stock, consequently these flowers were not wanted, but violets, roses, carnations and sweet peas sold out clean. The bright yet cool weather was the best that could have happened.



## ORCHID NOTES.

PLENTY of heat and a good light are necessary for *Dendrobium Phalaenopsis*.

KEEP *Cattleya Percivaliana* on the dry side after flowering and until the growth starts.

THE bright red flowers of *Epidendrum vitellinum* are among the showiest in the whole orchid family.

*EPIDENDRUM BICORNUTUM* is a difficult plant to grow but the flowers are among the most beautiful in this very extensive genus.

### *Dendrobium Phalaenopsis*.

Probably no other dendrobium is so largely grown by commercial growers for cutting as the giant moth dendrobe, *D. Phalaenopsis*. This is not to be wondered at, for it is certainly the finest of all in this extensive genus for the purpose. Nearly all the other species have to be cut with the stems and the plants are thereby injured, but with strong plants of *D. Phalaenopsis* the flower stems alone are long enough for all ordinary decorative purposes and these can be cut without weakening the plants. The stems of this plant, in fact, never should be cut off as long as they are plump, only when they shrivel, for they go on year after year producing flower stems that, though not so fine as the first season are still very useful for cutting. At a fair computation each strong stem of this dendrobium should produce a dozen flower spikes and this makes it a profitable subject to grow when the flowers are in demand.

The culture of *D. Phalaenopsis* is not difficult, but a few plants in a collection will almost invariably fail to do well. It is entirely in the atmospheric conditions that we go wrong with this plant. We can arrange for the rooting medium pretty easily. Water can be applied and heat is also easily managed, but there is something intangible always in the atmosphere of tropical countries where these orchids grow that cannot be reproduced in our orchid houses, and this is what the plants miss. It may be some gases from decaying vegetable matter that is missing or there are other elements that we cannot reproduce, though probably it is the constant and regular supply of fresh air that the plants miss, for this we cannot give and at the same time keep the atmosphere and temperature correct.

In the earlier days of orchid growing cultivators were in the habit of keeping their houses closely shut up, heavily shaded and reeking with moisture, and it is little wonder that in such temperatures the plants suffered, especially these beautiful dendrobies that grow naturally high up on trees fully exposed in many cases to God's sunshine and always to the full air. But a more sensible plan is now followed. Growers allow their plants as full exposure as possible under the artificial conditions forced upon them by circumstances. During late summer, when the conditions are favorable, the plants are given outdoor

treatment entirely to ripen and consolidate the growth, the only points necessary being to allow plenty of moisture in the atmosphere and just a slight shade to prevent the foliage burning up. *D. Phalaenopsis* usually makes the best of its growth in late summer, but should be let have its own way and never forced to grow when it seems inclined to rest, or vice versa.

ORCHIS.

### *Cattleya Labiata*.

The accompanying illustration of a house full of *Cattleya labiata* gives a good idea of how this plant is grown commercially by the large growers of cut flowers and there is no more useful species or variety for cutting than this. It flowers during the fall when other cattleyas and indeed orchids of all kinds are scarce and is one of the most free flowering and showiest kinds in existence. For many years *C. labiata*—the autumn flowering form—was very scarce in cultivation, it having been lost for many years, and collectors had almost despaired of ever finding it again. But during the last 15-20 years probably no other orchid has been so freely imported, its habitat having been discovered almost simultaneously by the collectors of several European houses. It is now the standard kind for cutting and one of the finest orchids in existence. Its culture has been frequently referred to in these columns.

### American Flag in Plants.

ED. AMERICAN FLORIST:—

Please give a list of the best flowering plants to make an American flag in bedding. Also a list of the best foliage plants for this purpose.

J. T.

## WITH THE GROWERS

Wictor Bros., Chicago.

Probably the one thing that strikes a practical grower most forcibly on visiting the Wictor Bros.' ranges north of Chicago just now is the magnificent lot of young stock in all varieties to be seen there. Not one, but all the varieties are represented by the finest and healthiest plants we have seen anywhere. Carnations have been rooted and potted and are now being topped and out of the many thousands of plants in each batch it would be difficult to pick out a poor specimen, so even and good are they. American Beauty roses again are elegant. There is one large batch already potted in 3½-inch pots for home planting and they are starting up and making grand healthy shoots with the utmost vigor. Smaller stock in 2½-inch is just as healthy and clean and growing just as strongly and these are all in preparation for the immense shipping trade that is done annually from these ranges. We have mentioned the Beauties specifically but they are typical of all the other varieties and it would be difficult indeed to find finer or more regular stock of Killarney, White Killarney, Mrs. Jardine, Bride Bridesmaid or any other popular kinds.

As in most other places the plantings of Bride and Bridesmaid are being considerably reduced here and 30,000 additional White Killarney and 15,000 Mrs. Jardine are to be planted to take their place in the houses that are to be rebuilt this season as noted in a recent issue. The material for this rebuilding has been obtained from the John C. Moninger Co. and is al-



GROUP OF *DENDROBIUM PHALAENOPSIS SCHRODERIANUM*.

As flowering plants for the stripes use *Begonia semperflorens luminosa* and *Erfordi alba*, the latter being also used for the stars. For the field use *Lobelia Crystal Palace* (blue). In foliage plants there is nothing in blue, so the lobelia should be used. For the stripes use red *alternantheras* and *Echeveria secunda glauca*; for the stars *Euonymus variegatus repens* or the *echeveria*.

ready on the ground and painted. The houses to be rebuilt are eight 250 feet long and three 125 feet. Among the most profitable kinds grown here is Mrs. Jardine. This is a grand winter rose, the growth keeping strong and clean and flowering well. During the heat of summer it is apt to fly open a little but not more so than other kinds and it is undoubtedly a coming rose, as the retailers like the color.



Rhea Reid has done much better here of late than in the earlier part of its career and although it has not yet been fully decided, the plantings of this variety will probably be increased this year. The early trouble was dropping of the foliage but the plants here now are leafy and green and in the best condition. Uncle John is grown in large numbers, also Kaiserin and these and all the other roses now in cut are healthy and producing well.

The young Beauties, that is the young stock planted last season, are doing well both as to growth and flower. They were run cool and with plenty of air last summer and they are now producing their fourth crop of flowers. It is worthy of note that old stock, both of this rose and three-year-old Killarney, have done remarkably well this season, better in some instances than the younger stock.

Very prominent among the carnations are Winsor, White Perfection and Victory. There are many others, of course, but these stand head and shoulders above them. The culture of Winsor is evidently well understood for we never saw better flowers or stems and the plants are remarkably healthy. Enchantress was good but the bright sun of the few days previous to our visit (it was 82° in the shade here the day we called) had taken some of the color out of the flowers. Victory was holding its color remarkably well and the flowers also stand up finely. Every flower we could see was perfect and there were no splits, the same being true of White Perfection. Flowers have been cut right along from this variety since Christmas and if the weather only keeps moderately cool they will evidently go on for a good deal longer, the plants being full of buds.

Already 250,000 chrysanthemums have been put in the sand and many of the earlier batches have been potted. Old stock plants are not relied on entirely here for cuttings, a number of plants being rooted in late fall and bedded out on a bench for stock. The herbaceous habit of the chrysanthemum is well shown here as these plants are pushing up fine, strong, basal shoots that are, as every grower knows, far better for propagating than top shoots and make sturdier stock. A list of all the varieties grown here would be far too long for us to give but we took notes of a few of the most prominent. For early yellows, Golden Glow and Monrovia lead, followed by Major Bonnaillon, Halliday, Golden Chadwick, Golden Beauty, Nagoya, Appleton, General Hutton, Golden Dome, Yellow Eaton and Golden Eagle. The early whites are October Frost, Polly Rose and Early Snow, followed by Kalb, Willowbrook, Touse, Virginia Poehlmann, Mrs. Buckbee, Ivory, Chadwick, Timothy Eaton, Yanoma, Merry Christmas and Snow Queen. Rosiere and Gloria are the early reds, Lady Harriet, Mme. Rosette, Dr. Enguehard, Maud Dean, Pink Ivory and Balfour following. Monogram, a variety that was tried out here some years ago and did not prove very satisfactory gave a better promise last year and will be more largely grown this season. In reds, the well known

Intensity and Black Hawk are the standbys and there are also large numbers of pompons grown.

### The Geo. M. Kellogg Flower and Plant Co.

Since the death of Geo. M. Kellogg, M. F. Parker has been president of the Geo. M. Kellogg Flower & Plant Co., Pleasant Hill, Mo., and is maintaining the business in a most up-to-date and successful manner. In this large area

## THE ROSE.

### Roses in in the South.

Roses, especially the teas, are assuming that jaded appearance which indicates that the hot weather is getting in its deadly work. Kaiserin, W. R. Smith and Beauty are still good and, if given continued good culture, will remain good for a long time. The plants on solid beds are easily showing



HOUSE OF CATTLEYA LABIATA AT SIEBRECHT & SONS, NEW ROCHELLE, N. Y.

of glass, which is wholly devoted to cut flowers and ferns are five American Beauty houses each 28x250 feet, which the trained eye of the visiting florist has frequently pointed out as being second to none. A visit to the houses gives an idea of the thrifty condition of the plants, which despite cold and cloudy weather, were in full bloom and bud, a most beautiful sight. J. C. Johnson has charge of the houses and besides Beauties as a specialty, 70,000 tea roses are grown, comprising all the new as well as the standard varieties. A large portion of glass is devoted to carnations, all of popular varieties including O. P. Bassett which promises a great future. 50,000 carnation plants are benched yearly.

Smilax and Asparagus plumosus are grown in large quantities, with 100,000 plants of various species of ferns, including the popular Kellogg fern, which is rapidly gaining favor and is grown more extensively each year. Approximately 100,000 bulbs are forced annually. Violets, cattleyas and azaleas are grown in proportion to the demand. This large range is divided into four growing sections with a foreman in charge of each. All these have been retained the same as under the old management. Plans are being made for extensive improvements on the already large range.

BOULDER, COLO.—C. F. Fawcett says his Easter sales this year were about the same as those of last and at similar prices. Azaleas were in short supply, also violets and roses. The outlook for spring trade is good and people here are going more largely into planting perennials and shrubbery of late.

their superiority over the ones on benches. For the south there is no question that solid beds are ideal quarters for roses. The plants need copious watering and syringing now, with a fertilizing stimulant at least once a week. Give all the ventilation possible during the day and leave plenty of air on at night to keep the circulation free.

There are two roses so eminently suited for summer blooming here that it seems sinful to have neglected so long. I refer to Maman Cochet and its white sport. Every grower ought to have at least one big house devoted to their culture. Such a house need not be strictly up-to-date and no heating pipes are required. Simply set the plants out in solid beds and give good culture all summer, and the returns will be surprisingly satisfactory. These roses do not go to pieces in hot weather, indeed, they seem to do better here than in the north. During the winter months the plants should be allowed to rest naturally. At the approach of spring trim them back a little, renew the surface of the beds and let them start growing slowly. Have just seen such a house planted with two-year-old plants in February, and already the second crop is well under way with ground shoots three feet long on every plant.

It is time now to prepare the soil for next planting. I described in these notes a few weeks ago a good method to prepare it. Different growers have different methods, but whichever method is adopted see that it is worked over occasionally. The young stock is growing fast now. Shift it on as fast as needed and by no means let it become so potbound as to get stunted.

WM. LEAR.



## THE CARNATION.

### Notes in Season.

Close attention to the needs of the young stock is an important part of the carnation grower's work at this time, the next three or four weeks—before planting out time—being a critical period. Any of the young plants needing larger pots should re-

The soil should be fresh and light, but not much added manure; a little to liven the soil up is beneficial, but enough to cause a rapid growth must be avoided. One part of well rotted manure to six or seven of fresh soil is about the right proportion. Three to 3½ inches of soil on the benches is plenty and the plants can be set about 3½ inches apart each way. After the first thorough watering in

under these conditions the flowers should be kept cut up close as quickly as they are developed and if any shortening of the supply is imperative it should be done by taking out some of the plants and using the space for other purposes rather than neglecting to keep the plants clear of flowers when ready. Plants that are in full crop carrying lots of flowers should be shaded a little, but where the crop is off and the plants are making new growth and can be given plenty of ventilation shading is not necessary until the crop is more developed. But in either case heavy shading should be avoided, because, should a change from bright to a cold, wet spell come, the heavy shading will do more harm than good. Fumigation to keep the plants free of insects is very important now as at all times. Attend to this at every favorable opportunity, for if this work is not attended to now when the nights are cool the fly will get ahead, and the time is at hand when favorable opportunities will be few and far between.

C. W. JOHNSON.

### To Be Done Now.

#### IN THE GREENHOUSES.

Pull out and destroy at once any diseased asters, as this may prevent the spread of the wilt to other plants. Take out a little of the surrounding soil on the benches before replanting.

Grow *Adiantum Farleyense* at about 65° by night when the plants are established. A higher temperature is all right for young stock not established, but leads to thin fronds of poor substance in older plants.

A little white arsenic mixed with sweetened bran makes a good trap for woodlice or sow bugs if laid about their haunts.

Keep poinsettias perfectly dry at the roots now until they are needed to start up for propagation.

When fumigating with hydro-cyanic acid gas the temperature in the house should never be above 60°.

Keep the young plants of *Begonia Gloire de Lorraine* well apart and give plenty of air. Do not attempt to force the growth yet.



INTERIOR OF MRS. I. HERBERT'S STORE AT WILKESBARRE, PA.

See Page 572.

ceive attention at once, but overpotting should be avoided. To allow a young carnation more soil space than it can take care of quickly is conducive to soft growth and stem rot. It is better to give the plants a little lower temperature and less water, provided the growths are not becoming woody, but any drying out in high temperatures and on hot, dry benches is detrimental. Topping back of the shoots should be carefully carried out right along, as the plants require it, but do not carry this to the extreme. Allow for growth enough to be able to make a clean stop between the axils of the leaves. Any cuttings still in the sand should be potted as soon as they have made sufficient roots. It is better to get these into the soil quicker than earlier in the season, or as soon as the roots will stand it, so as to give them a chance to get well rooted in the soil for planting out in the field. The check of transferring from the house to the field is not as severe if the plants are well rooted in pots before being set out.

The young stock for indoor summer culture now in 2¼ or 2½-inch pots can be transferred to benches any time the space is available. This does not mean to their permanent quarters, but as a method of carrying them along until the proper time of planting into the permanent quarters in June and it will be found to give better results and less trouble than to shift them into 4-inch pots and carry them along by that method. The one very important thing to bear in mind is to give them as light and airy a bench as possible, situated so that a cool temperature can be maintained.

water only when absolutely necessary, ventilate freely on all favorable occasions and pay close attention to keeping the insect pests in check.

There must not be any let up in the care of the blooming plants that are expected to do business for three or four months yet. Just at this time when the bright spring days are causing an abundance of every line of flowers the supply of carnations is likely to be greater than the demand and low prices will be the rule. But even



INTERIOR OF THE NEW STORE OF MRS. ELLA GRANT WILSON, CLEVELAND, O.

See Page 572.



Ring and moss any old plants of ficus that have no value as decorative plants, as the young stock will be useful in fall.

Watering with a solution of lime is the surest way of ridding pots of earth worms. These fill the drainage holes and are a great nuisance.

Muriate of potash is a cheaper fertilizer than sulphate of potash and equally as good as a stem stiffener for carnations.

Occasional spraying the young stock of chrysanthemums with Bordeaux mixture will keep rust in check.

Frequent and regular spraying with cold water during bright weather is the very best antidote for red spider.

#### OUTDOORS.

Aucubas, retinosporas, boxwoods and other semi-hardy shrubs are quite safe from this time on verandas and porches.

Level up inequalities on lawns and roll them regularly in order to get them down to a good surface before very dry weather sets in. Leave the edging until the sod is thoroughly solidified.

Prick out seedling pansies in a warm corner or in protectors and keep them well cultivated. Plant out those that are ready for the spring display.

Berberis mahonifolius is one of the best low growing shrubs to succeed in shady corners or under trees.

One part of cement to five of hard coal ashes makes a very good mixture for concrete blocks for ordinary walls or similar purposes.

Avoid sunscald in young seedling stock of any kind in frames by ventilating early in the evening and, when the weather is suitable, leaving air on all night.

Plant out incarvilleas and avoid injury to the foliage.

Bring out any dahlia roots still in store and if there is no room under glass to start them put them in a light, frost proof shed or frame and damp them over occasionally.

Keep shrub and tree roots covered until ready to plant. They must not be exposed to cold drying winds.

Do not let the fine weather delude you into planting out tender stock. There will be frost yet.

### European Horticulture.

FROM THE BRITISH TRADE PAPERS.

**Best Six Roses for General Use.**—I was asked recently by an amateur friend the names of the "best" six roses. His garden was small and his idea was to have a few varieties with several plants of each. They were to be scented, free-flowering over as long a period as possible that roses are obtainable outdoors, and also to be good wet weather blooms; one was to be a climber. Of course, it is impossible to pick out the best six for all soils and climates, but I venture to send you my selection for other readers to improve on—of course, bearing in mind the above restrictions, with as wide a color range as possible: G. Nabonnand, Marie van Houtte, General MacArthur, La France and Mme. Abel Chatenay, while the climber was Mme. Alfred Carriere. Certainly there are roses that beat the above selection on one point or another, but I think this selection cannot be beaten for all-round excellence.

**Floral Legacies.**—We have often lamented the loss to horticulture by the death of experts who, making no arrangements for the disposal of their collections, have thus doomed the gatherings of a lifetime to be scattered and lost. It is not always that a father has a son to follow in his floral footsteps, though sometimes we have met them, or have seen a daughter taking a pride in the favorites in

which her sire delighted, so keeping the stock together under loving cultivation. We have seen disposals of garden plants by far-sighted growers who could not anticipate the neglect of careless successors without making provision for the future disposal of their plants, whereby the whole would be kept intact, either by some like-minded friend or by some public body, as a botanic garden or a town park.

Gardening at the Japan-British Exhibition—The Japanese gardens at the Shepherd's Bush exhibition in London, Eng., are beginning to assume a very attractive appearance, and it is hoped that those portions of the grounds which are reserved for British horticulturists will be equally worthy of the inspection of visitors. A large portion of the available land has already been let, but there is still room for some more nurserymen and



The Late Mrs. Vesey.

seedsmen, who can obtain plots for the purpose of displaying their methods of cultivating farm and garden plants, shrubs, etc. The plans and arrangements, which can be obtained on application to the administration offices, Wood lane, Shepherd's Bush, in most respects follow the precedents of the Franco-British exhibition of 1908.

**Cut Flowers.**—Few persons seeing the consignments of cut flowers arriving at a city or large town pause to consider the vast amount needed to supply the wants of those able to gratify their taste for floral decorations. It seems that during the winter months there were despatched from Nice to the French capital 310,677 packages of flowers by post, these packages weighing from three to five kilogrammes, with the result that we have the total of 1,242,708 kilos, a kilogramme being 2 1-5 lbs. The other sources of the supply for the Paris market are:—Cannes, 233,962 packages; Hyeres, 179,796; Antibes, 110,416; Golfe-Juan-Vallauris, 44,264.

**Longevity of Fern-spores.**—The "Kew Bulletin of Miscellaneous Information," No. 10, contains an interesting note regarding the longevity of fern-spores. Some specimens of Cheilanthes Mysorensis were collected in southern China on October 28, 1899, and preserved as herbarium specimens. Spores taken from these and sown at Kew in March, 1908, have produced healthy plants which now bear fully developed fronds about nine inches long. It is stated that when the fronds of this fern are dried with-

out much pressure, the margins incurve greatly and serve as an additional protection to the spores.

### Statice Suworowi in Pots.

Statice Suworowi is a very distinct species, the flowers not being in paniculate or cymose clusters, as in most of the hardy and annual kinds, but in tail-like, graceful, bright rosy pink spikes. It is quite one of the best and most suitable of plants for pot cultivation for the greenhouse growing 18 inches high. All the statices are very beautiful free-flowering plants of easy culture in poor soils or dry situations, remaining a long time in bloom. The flowers, with the exception of those of S. Suworowi, are valuable when dried for bouquets, etc., and all are showy in beds or borders. The candelabra-formed S. Suworowi is one of the finest of the annual statices. The plants may be grown in beds in the open, but it well deserves the best treatment of pot cultivation.

## OBITUARY.

### Mrs. W. J. Vesey.

A sudden attack of heart disease while riding on a street car on Broadway, Fort Wayne, Ind., caused the death of Mrs. W. J. Vesey of that city, at the age of 47. Mrs. Vesey was the wife of Judge Vesey and was a prominent and skilled florist, running, with her husband, the well known establishment of W. J. & M. S. Vesey. The greenhouse plant consists of over 150,000 feet of glass and much of the success of the business was due to Mrs. Vesey's initiative and skill. The excellent stock grown here has been exhibited all over the United States and has received recognition wherever shown besides having a good name and a large sale on all the principal local markets. Mrs. Vesey was born in Decatur, Ind., a daughter of Judge Studebaker, and was educated there and at the Fort Wayne college. She was married to Judge Vesey July 25, 1882, and six children were born of the union, all of them as well as the husband and father, surviving. It is thought that Mrs. Vesey hurried to catch the car and this might have hastened her death, though for some considerable time she had suffered from the heart trouble that caused her death. She was taken ill immediately she entered the car and was taken into a nearby drug store where she died almost at once. Although her friends had known of her illness, they were greatly shocked by the news of her sudden death and the utmost sympathy is felt for Judge Vesey and the family in their sad bereavement.

The funeral took place April 12 and there was a great throng of the local friends of the family in attendance. The out-of-town trade was represented by W. N. Rudd and Geo. Asmus, Chicago; Miss Meinhardt, St. Louis; and C. H. Maynard and wife, Detroit. The floral offerings, from friends in all sections of the country, were very numerous and elaborate.

**HOMESTEAD, PA.**—W. D. Faulk will move to the corner of Eighth avenue and Amity street.

**BALLSTON SPA, N. Y.**—Richard Schafer, who has been at the High street greenhouses nearly 15 years has decided to erect greenhouses on Church avenue.



# THE AMERICAN FLORIST

1885 TWENTY-FIFTH YEAR 1910

Subscription, United States and Mexico \$1.00 year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

Eastern Representatives:

A. F. FAULKNER, 1133 Broadway, New York.  
ROBT. KIPT, 1725 Chestnut St., Philadelphia, Pa.

**THE AMERICAN FLORIST,**  
324 Dearborn St., CHICAGO

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THERE is some talk of an international flower show to be held in London, Eng., in 1912.

IN the death of Mrs. Vesey, the trade loses one of its most amiable and accomplished women.

THE president of the Society of American Florists should set the dates for Easter and Memorial day.

CLAIMING that the prices of flowers have been "boosted" about Memorial day the local G. A. R. posts have been requested by Adj. Brauff to consider artificial flowers for the exercises this year, according to the Franklin (Pa.) Herald.

AID the experiment stations in securing appropriations for work in floriculture and then help in the expending of them advantageously.

THE effect of the very early season on both the seed and nursery trade is yet to be seen on the florists' bedding trade. It is believed that the two former have been much shortened and the volume of the trade lessened considerably by the unseasonable weather.

OWING to the reduction of duty on unenumerated articles entering Canada, cut flowers from the United States will be dutiable at 17½ per cent ad valorem instead of 20 per cent as formerly. Palms, pepper, tomato plants and other horticultural products will also probably be affected.

IT may be taken as a healthy sign of the times in things floricultural that, according to the New York Times of March 29, a petition in bankruptcy has been filed against Fernand Dreyfus, manufacturer of artificial flowers in that city. Mr. Dreyfus may now be able to turn his attention to the production of real flowers.

WE have received the "Proceedings of the Nineteenth Annual Meeting of the American Carnation Society, a book of 94 pages, containing a full report of the proceedings and officers elected at the annual meeting held at Pittsburg, Pa., January 26-27, 1910. Lists of carnations registered and members and life members are appended.

"BOTANIC EXHIBIT of Native and Exotic Plants Growing in the Open in and about Pasadena and Los Angeles" is the title of a long list of plants collected and catalogued by P. D. Barnhart, editor of the "Pacific Garden." It will be especially interesting to students of the flora of California. The list was shown at the exhibition of the Pasadena Gardeners' Association March 31 and April 1.

### Rhinebeck Violets.

Ten million violets were shipped to all parts of the country from Dutchess county, New York, the week before Easter. Most of these were grown at Rhinebeck, some growers shipping as many as 75,000 blooms a day. The work of getting the flowers ready for market required nearly 1,000 people and many places worked day and night shifts. School was closed the whole week so the children could assist. Last year 2,802 boxes of violets were shipped from this place and it is expected that these figures will be exceeded this year.—Poughkeepsie Star.

### Cutting Off Peony Stems.

ED. AMERICAN FLORIST:

WE have quite a large peony garden and want to know if, after we cut the blooms from the bed, it will injure the roots to cut off the stems that remain and plant China asters between the rows. We will appreciate any information you can give us on the subject.

B.

WE would certainly not advise cutting off the stems of the herbaceous peonies. If they are planted at say three feet apart in the rows and the

rows four feet apart a line or two of asters may be planted between every other row, though we hardly advise it as peonies can make use of all the soil and the space between is necessary for cutting the flowers and manipulation. But in any case leave the peony stems to mature and fall naturally. It is a necessary process for returning to the roots, the sap elaborated by the leaves and, unless it is given its natural course, the roots are weakened.

### Muriate Versus Sulphate of Potash.

ED. AMERICAN FLORIST:—

PLEASE tell me through your columns which is the better form in which to supply potash in mixing soil for roses, muriate or sulphate of potash? I propose to use bone meal and stable manure in connection with it.

J. B.

I believe that there have been no definite tests as to the comparative merits of the muriate and the sulphate of potash for roses under glass. Tests of the two substances on farm crops have shown that the muriate is a little the better for some crops, while for others it has been shown to be harmful. On form the writer would be inclined to use the sulphate in preference to the muriate. Some soils, however, do not need potash at all, and the addition of potash to such soils is useless or worse than useless.

It would be advisable for "J. B." to make a test for himself; he might take one bench which is to be planted all to one variety of roses, use muriate on part of the bench, sulphate on another part, wood ashes on another part, and leave still another part without any potash at all. One year's experiment of this kind would show him definitely what his soil needs. It should be borne in mind that all of these substances are more or less caustic and should be mixed with the soil some time in advance of the planting, or if they are mixed in at the time the soil is placed in the benches, the planting should be delayed for 10 days. In the meantime the soil should have a couple of good waterings, so that the caustic condition may be done away with. It should also be noted that wood ashes contain a large percentage of lime in a very available form and the apparent superiority of the wood ashes over the other forms early in the season may be due to the action of the lime on the other manure in the soil. Lime tends to set the nitrogen free and to make the insoluble forms of fertilizers more soluble.

If "J. B." has reason to believe that his soil is one benefited by lime, a little lime may be added to the soil which has the muriate and the sulphate, and in that event the three forms of potash would be more definitely comparable. It should always be borne in mind that good results do not come from commercial fertilizers except in soils that are abundantly supplied with humus. However, the stable manure which he proposes to use, if applied in ordinary quantities will answer every purpose. Both the muriate and the sulphate contain large quantities of potash, and great caution must be used not to over feed with them.

W. N. RUDD.



## Meetings Next Week.

**Boston, Mass., April 19.**—Gardeners' and Florists' Club of Boston, Horticultural Hall.

**Detroit, Mich., April 18, 8 p. m.**—Detroit Florists' Club, Cowie building, 42-44 Gratiot avenue.

**Grand Rapids, Mich., April 18.**—Grand Rapids Florists' and Gardeners' Club, office of member.

**Hartford, Conn., April 22, 8 p. m.**—Connecticut Horticultural Society, County building.

**Montreal, Que., April 18, 7:45 p. m.**—Montreal Gardeners' and Florists' Club, Royal Guardians building, 211 Sherbrook street, west.

**New Orleans, La., April 21, 8 p. m.**—New Orleans Horticultural Society, Kolb's hall, 127 St. Charles avenue.

**Newport, R. I., April 20.**—Newport Horticultural Society.

**Providence, R. I., April 18, 8 p. m.**—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street.

**Salt Lake City, Utah, April 19.**—Salt Lake Florists' Club, Huddart Floral Co., 114 E. Second South street.

**Scranton, Pa., April 22, 7:30 p. m.**—Scranton Florists' Club, Guernsey building.

**Seattle, Wash., April 19.**—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

**St. Paul, Minn., April 19, 8 p. m.**—Minnesota State Florists' Association, 510 Snelling avenue, north.

**Toronto, Ont., April 19, 8 p. m.**—Toronto Gardeners' and Florists' Club, St. George's hall, Elm street.

"Fair now is the Springtide, now earth lies beholding

With the eyes of a lover the face of the sun;

Long lasteth the daylight, and hope is enfolding

The green-growing acres with increase begun."

W. MORRIS.

## Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

**Situation Wanted.**—By a practical gardener. Scotch; life experience in all departments; reference as to ability and character. Address

M. B. DALLACHIE, 595 Boylston St., Newton Centre, Mass.

**Situation Wanted.**—By gardener. English, married; thoroughly competent; under glass and outside; references. Address

E. A. A., care Vaughan's Seed Store, New York.

**Situation Wanted.**—By sober young man, age 24; experienced in roses, carnations, etc., capable of taking charge of section on commercial place; north-west preferred; please state wages. Address

Key 487, care American Florist.

**Situation Wanted.**—By young married man, German, as carnation foreman; I am strictly first-class and can show good results. State wages and full particulars in first letter. Address

Key 495, care American Florist.

**Situation Wanted.**—By practical middle aged florist; life experience growing roses, carnations, violets chrysanthemums, decorative and bedding plants; single, sober; state wages. Address

A. G., Florist, care Progress Hotel, 12 Chatham Square, New York City.

**Situation Wanted.**—As cut flower grower or working foreman thoroughly competent to take charge first-class rose, carnation and chrysanthemum grower, also the growing of all kinds of bulbs pot plants and bedding stock. Address

Key 480, care American Florist.

**Situation Wanted.**—As manager or foreman by a practical grower of cut flowers and plants; capable of taking entire charge of a large or medium plant; a life experience; single; when applying state particulars as to wages, etc.; references o. k. MANAGER, 1225 Race St., Philadelphia, Pa.

**Situation Wanted.**—A first-class grower of roses, carnations, 'mums and bedding plants, successful propagator, also good designer desires a position in a retail commercial establishment; strictly sober, honest and energetic; married, age 30; reference. Kindly state full particulars in first letter, including wages, with or without house. Address

Key 496, care American Florist.

**Help Wanted.**—Am. Beauty growers. Address HELLER BROS., New Castle, Ind.

**Help Wanted.**—Man for all 'round work in greenhouse and small nursery; married man with small family. LEVANT COLE, Battle Creek, Mich.

**Help Wanted.**—A working foreman to take charge of rose department of 50,000 feet of glass. New modern, strictly up-to-date plant. Must be thoroughly competent. References required. Address

Key 492, care American Florist.

**Help Wanted.**—Young man or boy who has had some experience helping around greenhouses, to learn the hothouse vegetable business at large establishment; permanent position and chance for advancement for good worker.

Key 491, care American Florist.

**Help Wanted.**—At once, carnation foreman to take full charge of an up-to-date carnation establishment; must be single, fully experienced in growing the best stock, and able to handle men; state wages expected with board and room, and full particulars. Address

N. ZWEIFEL, North Milwaukee, Wis.

**Wanted.**—Seed and Nursery catalogues, THE RAMONA NURSERY Co., North San Diego, Calif.

**For Rent.**—Good chance for a florist to open flower store; no competition; new store, corner Lake street and Austin avenue, Chicago. Inquire at grocery adjoining.

**For Sale or Rent.**—40,000 square feet of glass, in good location; needs partial rebuilding; rent accordingly, or will sell at reasonable price.

Key 460, care American Florist.

**For Sale.**—200 boxes of new greenhouse glass; size, 16x16 A single strength.

JNO. S. SCHLEIDER, Owosso, Mich.

**For Sale.**—2,500 feet glass, good growing Colorado town of 5000, will sell cheap; leaving Colorado. Address

Key 490, care American Florist.

**For Sale.**—A bargain; 6,000 feet of glass, double strength stocked with roses, carnations, geraniums, etc., all ready for spring trade; \$500 down; reason for selling, other business.

Key 497, care American Florist.

**For Sale.**—Greenhouse property, 5000 feet of glass; 1 1/4 acres land in one of the best cities in central Indiana; well stocked and doing a good business; will be sold at a bargain on account of bad health of owner.

Key 493, care American Florist.

**For Sale.**—A well paying florist business of 4,000 square feet of glass in good condition, very cheap, but must be sold for cash at once; the best reason given for selling. The place is in a growing college town; natural gas for heating at 10c a thousand.

CHAS. DUERR, Granville, Ohio.

**For Sale.**—4,000 ft. of glass in good repair; fine location in northern Illinois city of 50,000. A bargain. Hot water heat; only house near principal cemeteries; is opposite main gate; best car line in city passes door; will rent or sell house and barn adjoining; a paying investment for industrious man. Address

Key 482, care American Florist.

**For Sale.**—One brickset Furman boiler in good shape; 1 model No. 30-5 good as new, used two winters, very cheap if taken at once; will install larger one in place of the two.

Key 468, care American Florist.

**For Sale.**—10,000 ft. glass in city of 1,800, in the middle west, established retail business of 25 years; close to four large cities; one of the best locations in the country to build up wholesale business; owners are engaged in other line of business and cannot give greenhouse personal attention; present owners can handle entire output of purchaser; a splendid opportunity for live energetic man. Address

Key 463, care American Florist.

## FOR SALE.

One of the finest equipped, up-to-date florist's business in Oklahoma on the most prominent streets in Shawnee, Okla.; also on the car line; 12,000 square feet of glass; steam heat. Business \$700 per month, and can be doubled. Price, \$16,000 one half cash, balance one and two years at six per cent. This includes an automobile for delivery. For further particulars write PIKE BAKER, 106 North Broadway, Shawnee, Oklahoma.

## Situation Wanted

As storeman or assistant in first-class store in west or east. Recommended by present employer. Best of reasons for making a change. Willing to start at a small salary

Key 485, care American Florist

## Help Wanted

Fairly practical man to take charge of 15,000 feet of glass in general retail establishment. A good place for a capable man; married man preferred. Address

Mrs. Fred J. King, Ottawa, Ill.

## WANTED.

Seedsmen capable of earning \$1000 per year. State fully your experience in seed business. Address

Key 494, care American Florist.

## WANTED.

A thoroughly capable gardener to take charge of tree and shrubbery department of a high-class suburban development; must have a knowledge of planting and care of all kinds of trees and shrubs, and be capable of handling a gang of men; American preferred. Address

ROLAND PARK COMPANY, Roland Park, Baltimore, Md.

## Are You Aware

THAT OUR 1910 DIRECTORY

OF FLORISTS  
SEEDSMEN AND  
NURSERYMEN

Contains Approximately

1,500 NEW NAMES  
IN ITS 570 PAGES

Price \$3.00 Postpaid.

Every name is keyed to show the branches of the business in which each individual or concern is engaged, with greenhouse area and acreage of land.

AMERICAN FLORIST CO.,  
324 Dearborn St., Chicago.



# Now For Those Rush Orders

**F**LORISTS who want their orders filled accurately and quickly will make no mistake in sending to us. We are prepared to fill orders the day they arrive. We have just doubled our packing force—a change made necessary by the largest number of orders ever received. Here are some of the things you should not overlook in planning your spring planting.

## Aster Seed Aster Seed Aster Seed

Sweet Peas, Dahlias, Gladioli, Lilies,  
Market Garden Strains of Vegetable and Flower Seeds  
Hardy and Tender Plants, Potatoes, Small Fruits,  
Lawn Grass, Fertilizers, Insecticides and Sprayers.

Five minutes study of our wholesale catalogue will convince you that it is to your interest to send us your rush order. To insure its reaching the right department the minute it arrives, mark both your order and envelope "Wholesale Department, Rush." Mention this paper.

**JAMES VICK'S SONS,**

**Rochester, N. Y.**

# Ready With the Finest Lot of Palms We've Ever Put Out.

You have probably never seen a more handsome collection of Palms than we are offering this season—grown right here from seed in our houses by men who make that their business. Even with our past experience as Palm growers, we feel that we have made a new record with our present stock.

You will get better satisfaction—better service—from our Palms

than from most others you can secure. They are of the best quality obtainable; our large customers—purchasers who demand and pay for the best—come back to us, year after year, for their extensive stocks. Our Palms are all home-grown; they are clean, thrifty, vigorous, and are worth more, plant for plant, than foreign grown Palms of equal size; our cost no more than imported plants, as the following prices will prove:

### Areca Lutescens

6-in. pot, 3 plants in pot, 26 to 28 in. high.....\$1.00 each  
7-in. pot, 3 plants in pot, 30 to 32 in. high.....\$2.00 each  
8-in. pot, 3 plants in pot, 36 in. high.....\$2.50 each  
8-in. pot, 3 plants in pot, 42 in. high.....\$3.00 each

### Cocos Weddelliana

2½ in. pot, 8 to 10-in. high.....100, \$10.00

### Kentia Belmoreana

5-in. pot, 6 to 7 leaves, 18-in. high, doz., \$6.00 100, \$50.00  
5-in. pot, 6 to 7 leaves, 20-in. high, doz., \$9.00 100, \$70.00  
6-in. pot, 6 to 7 leaves, 22 to 24-in. high.....each \$1.10 doz. \$12.00



### Kentia Belmoreana

7 in. pot or tub, 6 to 7 leaves 32 to 34-in. high each \$2.00 doz. \$24.00  
9-in. tub, 6 to 7 leaves, 5-ft. high, each \$7.50 and \$8.00

### Made-up Kentia Forsteriana

7 in. pot or tub, 4 plants in pot, 36-in. high.....each \$2.50  
9-in. tub, 4 plants in tub, 42 to 48 in. high.....each \$4.00  
12-in. tub, 4 plants in tub, 6-ft. high.....each \$15.00

### Phoenix Roebelenii

5-in. pots, nicely characterized, each \$1.00  
6 in. pots, nicely characterized, each \$1.50

We are already booking large orders and are now in excellent shape to give the best possible attention to your wants. Can ship anywhere by freight with perfect security.

Write for full particulars, with prices; or, if possible, call and inspect our stock. We are easily reached from Philadelphia and you will find a trip to our plant decidedly interesting. Let's get better acquainted.

**JOSEPH HEACOCK CO.,**

**Wyncote, Pa.**



# ROSES

## For Decoration Day

Roses always sell well on Decoration Day. Potted NOW, they will be in good time for this important event.

Mr. Florist:—Our stock is in grand condition, the quality the best, true to name and in fine dormant condition. ORDER TODAY AND BE ON TIME.

### Hardy Hybrid Roses

We offer extra strong forcing two-year-old dormant, low budded stock, in the following varieties, true to name.

Price, 75c for 5 (of one variety), \$12.00 per 100; \$110.00 per 1000 (immediate delivery).

Abel Carriere. Crimson.  
Alfred Colomb. Carmine-crimson.  
Anne de Diesbach. Bright carmine.  
Ball of Snow (Boule de Neige). Pure white.  
Baron de Bonstetten. Blackish crimson.  
Baroness Rothschild. Satiny pink.  
Capt. Christy. Flesh color  
Clio. Satin blush.  
Duke of Connaught. Rosy crimson.  
Duke of Edinburgh. Bright vermilion.  
Eugene Verdier. Crimson-violet.  
Fisher Holmes. Dark crimson.  
Frau Karl Druschki. The finest white.  
Gloire de Margottin. Dazzling red.  
Gen. Jacqueminot. Brilliant crimson.  
John Hopper. Bright rose.  
La France. Pink.  
Mme. Charles Woo. Bright carmine.  
Margaret Dickson. White, with pale flesh.  
Marshall P. Wilder. Cherry-rose.  
Magna Charta. Dark pink.  
Mme. Gabriel Luizet. Satiny pink.  
Mrs. John Laing. Satiny pink.  
Paul Neyron. Dark pink.  
Perle des Blanches. White.  
Persian Yellow. Yellow.  
Prince Camille de Rohan. Dark crimson.  
Ulrich Brunner. Cherry-red.

For prices see above

Also we have on hand a very fine collection of Hybrid Teas, Everblooming Roses, such as Killarney, Cochet, pink and white, Kaiserin, etc.

Prices upon application.

### Ramblers and Other Climbing Roses

CRIMSON RAMBLER. American Grown. The only stock for forcing. Large heavy plants, two years old, mossed and packed in bundles of 10, 3 to 4 feet, \$1.25 for 10, \$12.00 per 100; 4 to 5 feet, \$1.75 for 10, \$15.00 per 100; 5 to 6 feet, extra heavy, \$2.25 for 10; \$20.00 per 100.

PAUL'S CARMINE PILLAR. Flowers large and free; color rosy carmine. Two-year-old, field grown. 85c. for 5, \$15.00 per 100.

DOROTHY PERKINS. Lovely shell-pink color. \$1.25 for 10, \$12.00 per 100.

TAUSENDSCHON. The new Rambler Rose. The name translated means a "thousand beauties." Color beautiful rose shading to pink. \$2.25 for 10, \$20.00 per 100.

### Flower of Fairfield The Everblooming Crimson Rambler.

This variety is a sport from the beautiful Crimson Rambler, is similar in color, more brilliant and lasting than the old favorite. It also possesses the further advantage over the Crimson Rambler in the fact that it flowers profusely on the young wood the first year. Flower of Fairfield is a vigorous grower and free bloomer. It starts to bloom early in the Spring and continues until late in the Autumn. It is rightly termed "perpetual blooming." 40c. each, \$3.50 for 10, \$30.00 per 100.

### Veilchenblau (Violet Blue.)

It has long been the desire of rosarians to secure a blue Rose. In Veilchenblau we have practically approached this color. The steel-blue flowers of this new Rose appear in large clusters are semi-double, of medium size and keep in bloom a long time. The showy yellow stamens contrasting with the blue flower, give the whole a striking appearance. 60c. each, \$5.75 for 10, \$55.00 per 100.

### Baby Rambler Roses

BABY DOROTHY. The same in habit as Baby Rambler, but the color of the flowers is similar to Dorothy Perkins. It makes an excellent pot plant for forcing. Price for strong, field-grown plants, 85c. for 5, \$16.00 per 100.

CATHERINE SEIMETH. A White Baby Rambler Rose, larger and better flowers than the type. White with yellowish center. 85c. for 5, \$15.00 per 100.

MRS. WM. H. CUTBUSH. Color intense crimson and exceptionally free-flowering. 85c. for 5, \$15.00 per 100.

MME. NORBERT LEVAVASSEUR (Baby Rambler). Strong, field-grown plants, 85c. for 5, \$15.00 per 100.

THE TREE BABY RAMBLER. (Grown as a Standard.) The popularity of the Baby Rambler has suggested the growing of it as a tree or standard. 40c. each, \$3.75 for 10, \$35.00 per 100.

BABY DOROTHY. (Grown as a Standard.) For description, see above. 75c. each, \$6.25 for 10, \$60.00 per 100.

We also have a fine stock of Hybrids and Hybrid Teas, standard grown.

### Something New in Roses for Florists Half Standard Baby Ramblers.

These are Baby Ramblers, grown on stems or standards about one and one half feet high, and will be a novelty for your trade you cannot profitably overlook. They are offered for the first time in this country in the following varieties:

BABY DOROTHY (Half standard).. Deep pink. 60c. each, \$6.00 per doz., \$45.00 per 100.

BABY RAMBLER (Half standard). Crimson. 45c. each, \$4.50 per doz., \$35.00 per 100.

BABY CATHERINE SEIMETH (Half standard). White. 45c. each, \$4.50 per doz., \$35.00 per 100.

BABY "STARS AND STRIPES" (Half standard). White and red grafted on the same plant; most attractive. 50c. each, \$5.00 per doz., \$40.00 per 100.

# ARTHUR T. BODDINGTON,

Seedsman

342 West 14th Street, NEW YORK CITY, N. Y.



# PLENTY OF STOCK In All Lines

We are cutting heavily on all the better grades of BEAUTIES, ROSES and CARNATIONS, with all other seasonable stock in first-rate order.

**SEND US YOUR ORDERS AND THEY WILL BE TAKEN CARE OF.**

## AMERICAN BEAUTIES

|                       | Per doz. |
|-----------------------|----------|
| Extra long stems..... | \$3 00   |
| 30 inch stems.....    | 2 50     |
| 24 inch stems.....    | 2 00     |
| 20 inch stems.....    | 1 50     |
| 18-inch stems.....    | 1 25     |
| 15 inch stems.....    | 1 00     |
| Short stems.....      | 75       |

Chatenay, Richmond, Mrs. Field, Uncle John, Bride, Bridesmaid, Ivory, Sunrise and Perle..... Per 100 \$4 00 to \$6 00

|                                | Per 100            |
|--------------------------------|--------------------|
| My Maryland and Killarney..... | \$ 4 00 to \$ 8 00 |
| Roses, our selection.....      | 3 00               |
| Carnations.....                | \$ 1 50 to 2 50    |
| Harrisii.....                  | 12 50              |
| Valley.....                    | 3 00 to 4 00       |
| Adiantum.....                  | 1 00               |
| Asparagus, per bunch.....      | 50                 |
| Ferns, per 1000.....           | 2 50               |

**2,000,000 FEET OF MODERN GLASS.**

**PETER REINBERG, 35 Randolph St., Chicago**

### Chicago.

#### LESS STOCK BUT POOR PRICES.

As we anticipated in this column last week the arrivals of stock fell off considerably around the week end but so far from improving the prices they were even lower on Friday than earlier in the week, especially on roses. Carnations sold fairly well but the prices obtained were so ridiculously low that the growers must be heartily sick of sending flowers to this market. However, there is every reason to hope for better things in the near future. More and more growers are throwing out their stock and the matter of supply and demand will surely adjust itself before long. Probably outdoor stock will be shorter in a little while for the local and southern daffodils and tulips are almost overlapping and the dry state of the soil will make the season short in both places. We noted on Friday a few flowers of the little red moss-leaved peony (*P. tenuifolia*) just about 15 days earlier than it appeared last year, and as this usually beats the standard early varieties by only a week or 10 days it looks as though we may be in the thick of the peony season before long—and after that summer flowers and summer conditions. The flowers in question came from the southern part of the state.

On Monday morning the arrivals of stock were considerably less than usual and several houses were sold out clean of carnations, good, bad and indifferent, by noon. Trade, however, continued dull in the extreme, more especially with city buyers, but the cooler weather helped the shipping trade some. The few cool days have given more substance to the roses, especially Killarney, which is more solid and heavier now than it has been for the last few weeks. The supply of American Beauty is not so heavy, as it was especially in the longer stemmed, better grades. Kaiserin is becoming a little more plentiful, but the time for this rose is not yet. Mrs. Marshall Field is also in good form and will probably be more seen during the next three or four months. My Maryland looks like becoming an elegant summer rose, the recent warm spell apparently increasing its size and beauty instead of diminishing it as with some other kinds. Sweet peas are not nearly as plentiful as they were and the quality is not so good, but this is probably only a temporary scarcity.

## "The Busiest House in Chicago"



WE care not who it is or what they want in the CUT FLOWER LINE we have it and want to sell it to you.

**J. B. DEAMUD CO.**

**51-53 Wabash Ave.,**

**CHICAGO**

Lily of the valley is better and more plentiful. Bulb stock is still above the demand. Cattleyas are scarce and probably will be until C. Mossie comes in. There is a brisk demand for the few that are arriving by the best class of retailers.

#### FLOWERS OF 1909 AND 1910.

The year 1910 has been one of surprises in the cut flower business. Probably there never was such a scarcity of roses during January and February as this year and the prices soared out of all reason. Then followed a glut which has also been of an almost unprecedented character and now come some record breaking dates for the arrival of various stocks from outdoors. The winter was cold and fairly long continued, but when it let up it did so with a snap and everything in the way of vegetation came away very rapidly, many of the flowers being nearly a month in advance of last year. Strange to say the bulbous stock from the south was not affected so much as some other things. The earliest daffodils came in almost the same day as last year, but these too came with a rush when they did come and the bulk was in well ahead of that of last year's crop.

Peonies are not in yet, that is, the ordinary cut flower varieties, though the pretty little moss-leaved variety—*Peonia tenuifolia*, has been seen. A well known firm that handles immense quantities of peonies states that its growers say their flowers will be at least three weeks ahead of a normal season and this looks as though there was trouble ahead for the growers for

the flowers will probably be soft and not of the kind that keep well, while the local crops will probably be in about the time the southern stock usually arrives. Lilac, again, from the south arrived here 26 days earlier than it did last year. In the principal parks last year many lilacs were still in excellent condition on Memorial day. This year the flowers are already showing color and a week or 10 days at the most of warm weather would bring the flowers fully out. F. F. Benthley, one of the most experienced men in the wholesale market, says that the season is quite a month earlier than last year, though he points out that 1909 was a little on the late side. This is exactly brought out in the case of the bridal wreath. Kennicott Bros. received their first shipments on May 12, in 1909. This year they came to hand on April 11. On April 2, we noted some elegant Keizerskroon tulips around the suburbs in sheltered positions fully out while this is recognized as a May flowering tulip everywhere. In the cemeteries tulips are now fully developed and the forsythias are over. Pear, apple and other fruit branches are already appearing in the stores, nearly a month earlier than usual.

#### NOTES.

E. C. Amling is receiving very fine American Beauty and Killarney roses and says his growers are just coming into crop with the former. A great variety of choice novelties and spring flowers are shown here, some excellent yellow marguerites being especially worthy of note. We noticed



BEAUTIES

Very Large Crop  
of Long Stems

They are the best quality in this market. Also a

Big Cut of Roses and Carnations

BUY DIRECT OF THE GROWER

Current Price List

| American Beauties                         |           | Per doz. | White and Pink Killarney,<br>Richmonds, Maids, Perles and Brides |           |        | Miscellaneous                                |                |  |
|-------------------------------------------|-----------|----------|------------------------------------------------------------------|-----------|--------|----------------------------------------------|----------------|--|
| Extra long.....                           |           | \$3 00   | Extra long and select, per 100....                               |           | \$8 00 | Sweet Peas, per 100.....                     | \$ 50 to \$ 75 |  |
| 30-36-inch.....                           |           | 2 50     | Good lengths, per 100.....                                       |           | 6 00   | Asparagus Sprays, per 100.....               | 3 00 to 4 00   |  |
| 24-inch.....                              |           | 2 00     | Medium lengths, per 100.....                                     | \$4 00 to | 5 00   | Asparagus Strings.....                       | 50             |  |
| 18-inch.....                              | \$1 00 to | 1 50     | Short lengths.....                                               | 2 00 to   | 3 00   | Sprengeri, per 100.....                      | 2 00 to 3 00   |  |
| Short stems, per 100, \$3 00 to \$4 00    |           |          |                                                                  |           |        | Smilax, very long and heavy,<br>per doz..... | 2 50           |  |
| Carnations                                |           | Per 100  | Miscellaneous                                                    |           |        | Adiantum, per 100.....                       | 1 00           |  |
| Fancy red extra long O.P. Bassett..       |           | \$2 00   | Lily of the Valley per 100.....                                  |           | \$3 00 | Galax, green or bronze, per 1000..           | 1 00           |  |
| Fancy White Enchantress.....              |           | 3 00     | Tulips, all colors.....                                          | \$2 00 to | 3 00   | Ferns, per 1000.....                         | 2 50           |  |
| Fancy Pink Enchantress and<br>Winsor..... | \$2 00 to | 3 00     |                                                                  |           |        |                                              |                |  |

ROSES, our selection, good.....\$2 00 per 100

Bassett & Washburn

Store and Office: 76 Wabash Ave.,

CHICAGO

Greenhouses: HINSDALE, ILL.

WIETOR BROS.

51 Wabash Ave., CHICAGO

Wholesale Growers of Cut Flowers

PRICE LIST

| American Beauties,    |           | Per doz | Richmond, extra.....         |           | \$8 00 | ROSES, our selection.....                |           | \$3 00 |
|-----------------------|-----------|---------|------------------------------|-----------|--------|------------------------------------------|-----------|--------|
| Extra long.....       |           | \$3 00  | " fancy.....                 |           | 6 00   | Carnations, extra fancy.....             |           | \$3 00 |
| 36-inch stems.....    |           | 2 50    | " good.....                  | \$4 00 to | 5 00   | Easter Lillies, short \$2 00 per doz.    |           |        |
| 30-inch stems.....    |           | 2 00    | Mrs. Jardine, extra.....     | 6 00 to   | 8 00   | Valley.....                              | \$3 00 to | 4 00   |
| 24-inch stems.....    |           | 1 50    | " fancy.....                 |           | 5 00   | Asparagus Plumosus,                      |           |        |
| 20-inch stems.....    |           | 1 00    | " good.....                  |           | 4 00   | extra quality, per bunch.....            | 75c       |        |
| 12 inch stems.....    |           | 75      | White Killarney, fancy.....  | 4 00 to   | 8 00   | Fancy Ferns, per 1000.....               | \$2 50    |        |
| Short.....            |           | 50      | Brides and Maids, fancy..... | 4 00 to   | 8 00   | All other stock at lowest market rates.  |           |        |
| Killarney, extra..... |           | Per 100 | Uncle John, fancy.....       | 5 00 to   | 8 00   | Prices subject to change without notice. |           |        |
| " medium.....         |           | 6 00    | " good.....                  | 3 00 to   | 4 00   | No charge for packing.                   |           |        |
| " good.....           | \$3 00 to | 4 00    | Perle, fancy.....            | 10 cents  |        |                                          |           |        |

some flowers of the moss-leaved peony here this week from southern Illinois. They arrived on April 5 this year, April 15 being the date of arrival last year.

The regular meeting of the Florists' Club was held at the Union restaurant April 7, President Asmus in the chair with Vice-President Philpott of Winnipeg, Manitoba, on his left. A number of committees presented reports and Joseph Straus was admitted to membership. Alexandre Aurele Vermeulen, with Swain Nelson & Sons Co., 940 Marquette building, was proposed for membership. Geo. Asmus having stated that he had been strongly urged to become a candidate for one of the vacancies on the state board of agriculture, the club indorsed him. Mr. Asmus suggested the name of Herman Schiller for one of the vacancies.

The Geo. Wittbold Co. has secured another 50 acres of land for nursery purposes at Edgebrook. The stock here came through the winter in remarkably good shape, a few rows of California privet and weigelas being the only things that were cut down. Louis Wittbold strongly advises the planting locally of the Amoor river privet in place of the California, it being much harder. Trade at the two retail stores is reported as very good and we noted at the Buckingham place store some very pretty arrangements of daffodils in glass.

Bassett & Washburn's stock of American Beauty is still large and grand flowers are arriving daily though they are shortening up a little from last week. The plants for summer are coming along in great shape and the supply will be large. Kaiserin is also doing well, the plants making

fine shoots and full of vigor. Although there will probably be some before, the bulk of the flowers of this fine rose will begin to arrive about May 1, and will go on all through the hot months.

Hoerber Bros. are busy with their new greenhouses at Desplaines, long lines of posts being already in position to carry the gutters which will be Garland's throughout. Moninger material is being used. The stock in the greenhouses looks fine and the quality of both carnations and roses being sent to the store is excellent. No roses will be thrown out this season with the exception of a few Brides-maids.

The J. B. Deamud Co. has been well in the lead with southern lilac, the shipments of fine fresh stock arriving daily. Carnations of excellent quality are shown but clean up daily.



# BEAUTIES AT THEIR BEST

## A Large Supply Now In

Our growers have just commenced cutting another elegant crop of Beauties. We shall have them, whether they are procurable elsewhere or not. Stock generally is shortening up this week, but our prices are unchanged as yet. Get acquainted with us, and we will keep you posted.

### PRICES FOR FIRST-CLASS STOCK

Roses, in all popular varieties.....\$3 00 to \$6 00 per 100  
Carnations.....1 50 to 2 00 per 100  
Lilium Longiflorum.....10 to 12 cents each

Callas.....10 to 12 cents  
Fancy Valley.....\$3 00 to \$4 00 per 100  
Fancy Ferns, Leucothoe, Galax, Mexican Ivy.

Wire Us for Prices on Large Quantities

# VAUGHAN & SPERRY

Long Distance Phone,  
Central 2571.

52-54 Wabash Ave., CHICAGO

The formal opening of the new Blackstone hotel does not take place until Saturday, but there have been several more or less informal receptions at which John Mangel, who will have the flower store here, had the decorations. One to the hotel men of the east, on their way to the coast, consisted of long-stemmed Beauties and palms. The Commercial club held a reception and first dinner, at which 250 sat down, and here again Beauties were the principal decorations. On Sunday, Mrs. Drake gave a family dinner for 15. The tables were decorated in French style with blue and pink hydrangeas, the ladies having gardenias for corsage bouquets, the men white carnations, the children having sweet peas and daisies as souvenirs.

There was considerable rejoicing at the Bassett & Washburn store on Tuesday when a telegram arrived from Ned Washburn in California, saying that he had been examined by Dr. Bridge, who had made a test for signs of tuberculosis and after 48 hours had failed to find the slightest trace of tuberculin, all having disappeared. His lungs are entirely healthy and all that is now necessary to restore him to complete health is for him to be careful and not overdo any exercise. Naturally Mr. Washburn and everyone around the establishment were elated at the good news.

The regular quarterly meeting of the Horticultural Society was held at the Art Institute April 12, Vice-President Wienhoeber in the chair. The announcement of President Kelley's serious illness in Florida gave a deep tone of sadness to the proceedings, however, which were curtailed to strict routine, the president being beloved for his enthusiasm and kindness.

Vaughan & Sperry certainly manage to hit the market lucky with Beauties. In several instances large growers are going off crop and many are being thrown out, but this firm's growers are just coming in with a magnificent crop of fine flowers. Good irises, Narcissus poeticus and excellent callas were also noted here this week.

Joe Dunn, who for 10 years has been grower at the J. A. Budlong range, leaves there shortly to take up the growing business for himself at Sturgis, Mich. Joe is a thorough grower and will doubtless succeed and Mr. Budlong is sorry to lose the services of such an efficient man.

At the Budlong range considerable of the rose stock has been thrown out and replanting is going on rapidly.

But the benches remaining are in fine order and excellent stock of roses and carnations are being sent in to the store.

Norris F. Comley of the Lexington Nurseries, Lexington, Mass., has been in town during the week buying up carnation cuttings and plants for his own growing. He visited among other places Poehlmann Bros. Co.'s at Morton Grove, and the Joliet growers.

Uncle John, My Maryland and American Beauty roses are strong specials with Peter Reinberg this week, these being in especially good condition. Immense quantities of stock in all lines are arriving and the shipping trade keeps up well.

Work on the alterations and improvements at the Flower Grower's Market will be commenced shortly. New elevators will be provided and two staircases and the floor will be much more convenient.

Mrs. J. B. Brooks' 12-year-old son, who it was feared would lose his leg as the result of an accident, is now in no danger of this calamity. They hope to have him out of the hospital next week.

Ole Johnson, recently with the Chicago Rose Co., has started in for himself with a stand on the Flower Growers' Market. He commenced business on Saturday and is well satisfied with the start.

Sinner Bros. are throwing out some of their roses, including many Brides and Bridesmaids which will not be replanted. The stock all looks fine this cool weather and there is no trace of mildew.

Luke Collins, at the Parkside Greenhouses, has a fine lot of pink sweet peas in just now and his pansies, of which he makes a specialty, are unusually good this year.

Mrs. F. Beu is showing good Kaiserin roses. There are two houses doing fine and the first flowers were cut on Palm Sunday. Pansies are exceptionally good this year.

H. M. Hooker, of the H. M. Hooker Co., well-known dealers in greenhouse glass, contributed \$3,000 to the local Y. M. C. A. in its recent campaign for funds.

John Kruchten was on hand again on Saturday after a week's siege of tonsillitis which kept him at home. The flowers here are excellent and business fair.

Arthur Schutz, alderman florist of Hammond, Ind., has returned from the Indianapolis convention and reports business as excellent.

Kennicott Bros. are handling large quantities of fine stock in all lines,

especially good bulb stock and mignonette being noted.

The Fleischman Floral Co. reports unusual activity in decorative work, while the cut flower business is also good.

Zech and Mann are handling large quantities of roses, extra fine Killarney being a leader.

Vaughan's bay trees are enroute from New York and will be on view next week.

J. B. Deamud is making a business trip east.

Visitors: H. E. Philpott, Winnipeg, Man.; Norris F. Comley, Lexington, Mass.; J. W. Davis, Davenport, Ia.; J. J. Karins, representing H. A. Dreer, Inc., Philadelphia.

### BOWLING.

#### Standing of the Teams.

|                 | W. | L. | Pct. |
|-----------------|----|----|------|
| Carnations..... | 43 | 32 | .573 |
| Violets.....    | 42 | 33 | .560 |
| Orchids.....    | 36 | 39 | .480 |
| Roses.....      | 28 | 47 | .373 |

There was a double header on Thursday at the Bensinger's alleys, the Orchids losing two games to the Carnations, the Violets winning two from the Roses. John Zech improved his position considerably for the Deamud cup. Thursday in the present week will be the last night of the schedule, 81 games having been rolled in all. F. J. Pasternick, secretary of the league, hopes to see as many as possible on this occasion to see the finish. The scores follow:

#### First Game.

| Carnations— |     |     |     | Violets—    |     |     |     |
|-------------|-----|-----|-----|-------------|-----|-----|-----|
| Farley      | 124 | 145 | 171 | Bergman     | 146 | 140 | 113 |
| Krauss      | 121 | 143 | 159 | Johnson     | 128 | 127 | 177 |
| Sweeney     | 137 | 176 | 147 | Kelley      | 166 | 145 | 132 |
| Pasternick  | 159 | 130 | 148 | Lieberman   | 137 | 128 | 132 |
| Ayres       | 148 | 162 | 160 | Yarnall     | 168 | 159 | 157 |
| Totals..... | 706 | 779 | 781 | Totals..... | 745 | 699 | 702 |
| Roses—      |     |     |     | Orchids—    |     |     |     |
| Goerisch    | 168 | 133 | 162 | Huebner     | 137 | 157 | 172 |
| Pieser      | 99  | 161 | 112 | Graff       | 154 | 160 | 126 |
| Forester    | 219 | 188 | 172 | Vogel       | 126 | 95  | 87  |
| Lorman      | 106 | 145 | 87  | Byers       | 142 | 148 | 145 |
| Wolf        | 145 | 135 | 159 | J. Zech     | 135 | 159 | 172 |
| Totals..... | 737 | 762 | 692 | Totals..... | 744 | 713 | 702 |

#### Second Game.

| Carnations— |     |     |     | Orchids—    |     |     |     |
|-------------|-----|-----|-----|-------------|-----|-----|-----|
| Farley      | 154 | 149 | 124 | Huebner     | 126 | 144 | 139 |
| Krauss      | 148 | 157 | 161 | Graff       | 152 | 164 | 162 |
| Sweeney     | 168 | 157 | 146 | Vogel       | 128 | 139 | 142 |
| Pasternick  | 176 | 153 | 144 | Byers       | 155 | 98  | 121 |
| Ayres       | 125 | 165 | 166 | Zech        | 181 | 190 | 190 |
| Totals..... | 754 | 758 | 745 | Totals..... | 742 | 732 | 754 |
| Violets—    |     |     |     | Roses—      |     |     |     |
| Johnson     | 111 | 182 | 179 | Goerisch    | 151 | 115 | 140 |
| Bergman     | 136 | 113 | 96  | Pieser      | 167 | 103 | 130 |
| Kelley      | 114 | 129 | 126 | Forester    | 141 | 159 | 148 |
| Lieberman   | 117 | 138 | 139 | Lorman      | 159 | 147 | 106 |
| Yarnall     | 163 | 158 | 166 | Wolf        | 169 | 173 | 121 |
| Totals..... | 641 | 720 | 706 | Totals..... | 787 | 697 | 645 |



# Cut Flowers E. H. HUNT

FOR ALL OCCASIONS.  
FLORISTS' SUPPLIES TOO.

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Wholesale Florists.

L. D. Phone  
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JOSEPH FOERSTER  
CHICAGO

## E. C. AMLING

THE LARGEST,  
BEST EQUIPPED,  
MOST CENTRALLY LOCATED  
WHOLESALE  
CUT FLOWER HOUSE  
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,  
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

## J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and  
Carnations  
A Specialty.....

WHOLESALE  
GROWER of

## CUT FLOWERS

## WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given  
prompt attention.

51 Wabash Ave.. CHICAGO

## Wholesale Flower Markets

CHICAGO, April 13.

|                                 |                |
|---------------------------------|----------------|
| Roses, Beauty, extra select ... | 3 00           |
| " " 36 in .....                 | 2 50           |
| " " 30 in .....                 | 2 00           |
| " " 18 in .....                 | 1 50           |
| " " 15 in .....                 | 1 00           |
| " " Short .....                 | 75             |
| Per 100                         |                |
| " Bride, Bridesmaid, select..   | 4 00@ 6 00     |
| " " medium .....                | 2 00@ 3 00     |
| " Killarney, select.....        | 4 00@ 6 00     |
| " " medium and short2 00@ 3 00  |                |
| " Mrs. Jardine .....            | 4 00@ 6 00     |
| " Mrs. Potter Palmer.....       | 6 00           |
| " My Maryland.....              | 6 00           |
| " Perle .....                   | 6 00           |
| " Richmond .....                | 4 00@ 6 00     |
| " Uncle John .....              | 6 00           |
| " White Killarney, select ..    | 4 00@ 8 00     |
| " " medium .....                | 2 00@ 3 00     |
| Carnations, select fancy ..     | 1 50@ 2 00     |
| " common and splits ..          | 75             |
| Callas..... per doz..           | 1 50           |
| Hyacinths, Roman.....           | 2 00@ 2 50     |
| Lilium Harrisil .. per doz..    | 2 00 12 50     |
| Lily of the Valley.....         | 3 00@ 4 00     |
| Mignonette.....                 | 3 00@ 8 00     |
| Narcissus .....                 | 2 00@ 3 00     |
| Orchids..... per doz..          | 6 00@ 9 00     |
| Sweet Peas.....                 | 40@ 1 00       |
| Violets.....                    | 35@ 50         |
| Adiantum..... per 1000.         | 1 50           |
| Asparagus Plum, strings, each.  | 60@ 75         |
| " " sprays.....                 | 3 00@ 4 00     |
| " Sprengerl.....                | 3 00@ 4 00     |
| Boxwood.. per bunch, 25c        | per case, 7 50 |
| Ferns..... per 1000.            | 2 50           |
| Smilax .....                    | 1 50           |

## Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO

Telephone, Central 3284.

ROCHESTER, MINN.—R. Grounds has sold out his establishment to the Rochester Cut Flower store.

BELVEDERE, ILL.—John W. Lyon has sold a half interest in his business to Herbert Anderson, h's son-in-law.

## KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., Chicago  
L. D. Phone, Central 466.

We will have anything in the line of

**CUT FLOWERS and GREENS**

that you may want if anybody has it, at  
Chicago market prices on day of shipment.

## A. L. Randall Co.

19-21 Randolph St.,  
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L. D. Phone Central 1496. Private Exchange  
All Departments. If you do not receive our  
price list regularly send for it.

BE YOUR OWN COMMISSION MAN

— AT THE —

## Flower Growers' Market

60 Wabash Ave., CHICAGO.

A Few Desirable Stands For Rent.

See JOHN SINNER, Manager.



## HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 51 Wabash Avenue CHICAGO

## CHAS. W. McKELLAR,

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## ORCHIDS

A Specialty

Fancy Stock in Peonies,  
Valley, Roses, Beauties,  
Carnations and a full line  
of all Cut Flowers, Greens,  
Wire-Work and Florists'  
Supplies.

Send for Complete  
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## Cut Flowers

All telegraph and telephone orders  
given prompt attention.

Greenhouses 32-37 Randolph St.  
MORTON GROVE, ILL. CHICAGO.

## Quality Counts..

Let us have your next order for  
**Roses and Carnations**  
and other Seasonable Flowers.

JOHN KRUCHTEN,

51 Wabash Ave., CHICAGO.

WILKES-BARRE, PA.—T. W. Hutchinson was awarded the contract to furnish 400 rhododendrons for the court house lawn.

CALVERTON, N. Y.—W. J. Benjamin is building an addition to his greenhouse plant, more than doubling its former capacity.



## American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

## Grafted and Own Root Rose Plants

Killarney, Richmond, My Maryland, White Killarney,  
(Waban strain), Kaiserin, Bride and Bridesmaid  
Send for Prices—

W. H. Elliott, Brighton, Mass.

## Rice Brothers

Wholesale Florists and Supplies,

115 N. 6th St., MINNEAPOLIS, MINN.

Cut Flowers received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities.

## THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

## Weiland & Olinger

128 E. Third S., CINCINNATI, O.

Wholesale Growers and Shippers of Cut Flowers.

Boston.

A QUIET WEEK.

Another quiet week, with plenty of stock to meet all demands. Violets are shortening up perceptibly. There are some doubles of very good quality still to be had. Lilies of all kinds are coming in freely, some especially good Candidums being amongst them. Carnations are coming in rather heavy, but seem to sell well. Roses of all varieties are plentiful and going slow. My Maryland is coming in extremely freely and is offered at most attractive prices. American Beauty is plentiful and of splendid quality. Prices are down. Snapdragon is coming in freely. Good pink, yellow, white and red are recognized as standard colors and they generally sell fairly well. Bulbous stock is plentiful, Victorias and Golden Spurs being the best sellers. Gardenias are coming in far too freely for the demand. Some splendid flowers are coming in from out of town and the price is lower than ever for similar grades of stock. Valley is going a little slow, but will probably do better shortly, as many weddings are scheduled for early dates. Orchids are still a little scarce, the local growers being off crop. Interest is keen in the big orchid show soon to be held in the city. It promises to be the biggest thing of the kind ever held in this country. Pansies, primroses, mignonette, etc., are all plentiful. Iris of various colors are coming in more freely and are popular. Sweet peas are extremely plentiful, but are selling well. As the violets drop off, peas come to the front. Green goods are coming in more plentifully, especially Asparagus Sprengeri.

NOTES.

Pierce Bros.' big automobile got a little cranky the other day on the way home from market. The steering gear refused to work and the car skidded and ran into the fence on Boston common. A few pickets were broken, but no serious damage was done to the machine or occupants.

Paine Bros., Randolph, are bringing in some fine iris. This is an extremely popular flower and the grower who

## Wholesale Flower Markets

| BOSTON, April 13.   |             | Per 100 |
|---------------------|-------------|---------|
| Roses, Beauty, best | 25 00@30 00 |         |
| " " medium          | 15 00@20 00 |         |
| " " culls           | 5 00@10 00  |         |
| " Bride, Bridesmaid | 1 00@4 00   |         |
| " Extra             | 5 00@8 00   |         |
| Carnations          | 1 00        |         |
| " selected          | 2 00@3 00   |         |
| Callas              | 8 00@10 00  |         |
| Cattleyas           | 35 00@50 00 |         |
| Lilium Longiflorum  | 8 00@10 00  |         |
| Lily of the Valley  | 2 00@3 00   |         |
| Smilax              | 12 00@16 00 |         |

| ST. LOUIS, April 13.      |             | Per 100 |
|---------------------------|-------------|---------|
| Roses, Beauty, long stems | 20 00@25 00 |         |
| " " medium stems          | 15 00@20 00 |         |
| " " short stems           | 4 00@6 00   |         |
| " Bride, Bridesmaid       | 3 00@6 00   |         |
| " Chatenay                | 3 00@6 00   |         |
| " Killarney               | 3 00@6 00   |         |
| " My Maryland             | 3 00@6 00   |         |
| " Richmond                | 3 00@8 00   |         |
| Carnations                | 1 00@2 00   |         |
| " fancy                   | 2 00@2 50   |         |
| Callas                    | 8 00@10 00  |         |
| Easter Lilies             | 8 00@10 00  |         |
| Jonquils                  | 1 50@2 00   |         |
| Sweet Peas                | 15@40       |         |
| Adiantum                  | 1 50        |         |
| Asparagus Sprengeri       | 2 00@3 00   |         |
| Smilax                    | 12 50@15 00 |         |

| CINCINNATI, April 13.         |             | Per 100 |
|-------------------------------|-------------|---------|
| Roses, Beauty                 | 1 00@4 00   |         |
| " Bride, Bridesmaid           | 2 00@6 00   |         |
| " Golden Gate                 | 2 00@6 00   |         |
| " Killarney                   | 2 00@6 00   |         |
| " Richmond                    | 2 00@6 00   |         |
| Carnations                    | 1 00@3 00   |         |
| Callas                        | 10 00       |         |
| Daffodils, outdoor            | 50          |         |
| Daisies                       | 50          |         |
| Hyacinths, Miniature Dutch    | 4 00        |         |
| " Roman                       | 3 00        |         |
| Lilium Longiflorum            | 12 50       |         |
| Lily of the Valley            | 3 00@4 00   |         |
| Narcissus, Paper White        | 3 00        |         |
| Sweet Peas                    | 50@75       |         |
| Tulips                        | 3 00@4 00   |         |
| Adiantum                      | 1 00@1 50   |         |
| Asparagus Sprengeri, per bch. | 25          |         |
| Smilax                        | 12 50@20 00 |         |

| MILWAUKEE, April 13.  |               | Per 100 |
|-----------------------|---------------|---------|
| Roses, Beauty         | 6 00@40 00    |         |
| " Bride Bridesmaid    | 3 00@8 00     |         |
| " Killarney           | 4 00@8 00     |         |
| " Liberty, Chatenay   | 2 00@8 00     |         |
| " Perle               | 3 00@6 00     |         |
| " Richmond            | 4 00@8 00     |         |
| Carnations            | 1 00@3 00     |         |
| Lilium Giganteum      | 10 00         |         |
| Lily of the Valley    | 4 00          |         |
| " Trumpet Major       | 3 00          |         |
| " Von Sion            | 3 00          |         |
| Sweet Peas            | 50@1 00       |         |
| Tulips                | 2 00@3 00     |         |
| Adiantum              | 1 50          |         |
| Asparagus             | 50@60         |         |
| " Plumosus, per bunch | 50            |         |
| " Sprengeri           | 35            |         |
| Ferns, Fancy          | per 1000 2 50 |         |

gets it in fairly early has no difficulty in disposing of it at good prices.

Chas. O'Brien is bringing in some fine nephrolepis. There is always a call for good ferns and it is not easy to procure well grown plants at all times.

The Waban Rose Conservatories are sending in some fine Beauties. They are of splendid color and strong in the stem.

—THE—  
**J.M. McCullough's Sons Co.,**  
Wholesale Commission Florists.  
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Special attention given to Shipping Orders.  
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A Complete Line of Wire Designs.

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Wholesale Floral Co.

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1316 Pine St., ST. LOUIS, MO.

Supplies and Everything in Season always on hand

## William Murphy,

Wholesale Commission

FLORIST

311 Main Street, CINCINNATI, OHIO.

The trade in small plants is quite lively, myosotis selling especially well. Ramblers and hydrangeas are in good demand.

Chas. F. Boyle is still at the Somerville hospital. He is gaining slowly and will doubtless be out in a few weeks.

The Budlong Co. is receiving the first of its crop of Kaiserin roses. They are earlier than usual this year.

R.

SALT LAKE CITY, UTAH.—E. Madison has closed up his store and is now in the employ of C. Cramer.



# Roses

Our stock of Roses is hard to beat for quality. Our growers are in with heavy crop, and a large supply insures best selection. Our leaders are

PINK and WHITE KILLARNEY, MARYLAND.  
RICHMOND, KAISERIN.

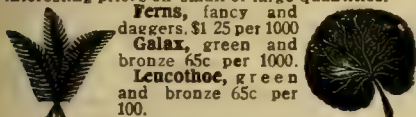
THE LEO NIESSEN CO., Business Hours: 7 a. m. to 8 p. m.  
Wholesale Florists, 1209 Arch Street, Philadelphia, Pa.

## Pittsburg Florists' Exchange

### Wholesale Cut Flowers

#### Everything Seasonable

Headquarters for Ferns, Galax, Leucothoe and Wild Smilax, and carry a large supply of the best on hand at all times. We quote the following interesting prices on small or large quantities.



**Ferns**, fancy and daggers, \$1.25 per 1000  
**Galax**, green and bronze 65c per 1000.  
**Leucothoe**, green and bronze 65c per 100.  
**Wild Smilax**, large cases, \$4.50 per case.

15 Diamond Square, PITTSBURG, PA.

#### Philadelphia.

#### MARKET OVERLOADED.

The market is still greatly overstocked, the continued warm weather bringing in all the varieties of flowers, both inside and out, at a rapid rate. These, coupled with a light demand, add to the troubles of the grower and wholesale dealer. The retailer can regulate his supply, but the wholesale dealers have to take what comes in and make the best of it. With every jar and pot full of stock and their cooling rooms crowded to the doors there is no wonder that the wagon loads of boxes that draw up to their doors are viewed with dismay. With the street men working overtime and the greatest inducements offered to the stores, it still appears impossible to keep the stock moving with any kind of reasonable dispatch. The quality for the most part is first class, and while there is a kind of demand for necessary store stock and a light shipping trade, the prices obtained, particularly in quantities, is not worth quoting. The season is fully three weeks ahead of normal conditions, and should this state of affairs continue, there will be no peonies for Decoration day, and instead of supplying the Boston market, as is usual, this city will have to draw on its surplus at this time. The bedding plant men have commenced to send out geraniums for planting, many people taking the risk, as they believe that spring has set in and that they have seen the last of the cold weather, or at least killing frosts. Particularly is this true of window boxes, which are seen on many of the streets. For some reason the box trees kept very poorly the past winter and in nearly every instance are dead; on sunny or shady sides of the street the result is the same, all plants dead.

#### NOTES.

Mothers' Day promises to become more popular as the real significance of the celebration is understood. This will be the fifth year of the observance. The first and second year but few flowers were worn, as it takes time to make any custom popular; no matter how much it appeals to the individual, the public must first learn of it. The third year, from hundreds, the numbers of those who wore flowers mounted into the thousands, and last year the happy thought spread a thousand miles, and in this city and the surrounding towns every white carnation was sold at a premium, many flowers towards the

## Beauties, Spanish Iris

All other flowers in quantity

THE McCALLUM CO., Inc., Pittsburg, Pa.

## Pittsburgh Cut Flower Co.,

Wholesale Florists and Growers,

The House that has and sells good goods at fair prices.

Salesrooms, 222 Oliver Ave.

PITTSBURGH, PA.

Choice Assortment of CUT FLOWERS will be found here.

WRITE FOR PRICES.

W. E. McKissick & Bros.

WHOLESALE FLORISTS

Business Hours 7 a. m. to 8 p. m. 1619-1621 Ranstead St., PHILADELPHIA, PA.

Absolutely  
The Best Possible  
Service.

## Wholesale Flower Markets

| PHILADELPHIA, April 13.   |    |     | Per 100 |
|---------------------------|----|-----|---------|
| Roses, Beauty, extra..... | 35 | 00@ | 50 00   |
| " first.....              | 15 | 00@ | 20 00   |
| " Brides and Maids.....   | 6  | 00@ | 10 00   |
| " Tea.....                | 6  | 00@ | 10 00   |
| " extra.....              | 12 | 00@ | 20 00   |
| Carnations.....           | 4  | 00@ | 6 00    |
| Cattleyas.....            | 50 | 00@ | 75 00   |
| Lilium Harrisii.....      | 12 | 00@ | 15 00   |
| Lily of the Valley.....   | 4  | 00@ | 5 00    |
| Mignonette.....           | 4  | 00@ | 5 00    |
| Sweet Peas.....           | 75 | @   | 1 00    |
| Violets, single.....      | 75 | @   | 1 00    |
| " double.....             | 75 | @   | 1 00    |
| Smilax.....               | 15 | 00@ | 20 00   |
| Daffodils.....            | 2  | 00@ | 3 00    |
| Tulips.....               | 2  | 00@ | 5 00    |
| Asparagus.....            | 1  | 00@ | 1 50    |
| Callas.....               | 12 | 00@ | 15 00   |

| PITTSBURGH, April 13            |    |     | Per 100 |
|---------------------------------|----|-----|---------|
| Roses, Beauty, special.....     | 15 | 00@ | 25 00   |
| " extra.....                    | 10 | 00@ | 12 00   |
| " No. 1.....                    | 4  | 00@ | 6 00    |
| " Bride Bridesmaid.....         | 2  | 00@ | 6 00    |
| " Chateau.....                  | 2  | 00@ | 6 00    |
| " Killarney.....                | 2  | 00@ | 6 00    |
| " My Maryland.....              | 2  | 00@ | 6 00    |
| " Richmond.....                 | 2  | 00@ | 6 00    |
| Carnations.....                 | 1  | 50@ | 2 00    |
| Callas.....                     |    |     | 8 00    |
| Cattleyas.....                  | 50 | 00@ | 60 00   |
| Daffodils.....                  | 1  | 00@ | 3 00    |
| Gardenias.....                  | 35 | 00@ | 50 00   |
| Lilac, white..... per bunch,    | 1  | 00@ | 1 50    |
| Lilium Longiflorum.....         | 6  | 00@ | 8 00    |
| Lily of the Valley.....         |    |     | 4 00    |
| Mignonette.....                 |    |     | 4 00    |
| Pansies.....                    |    |     | 1 00    |
| Primroses.....                  | 50 | @   | 75      |
| Sweet Peas.....                 |    |     | 50      |
| Tulips.....                     |    |     | 3 00    |
| Violets, double.....            | 50 | @   | 75      |
| " single.....                   | 25 | @   | 50      |
| Adiantum.....                   |    |     | 1 50    |
| Asparagus Sprengeri, per bunch, |    |     | 50      |
| " strings..... per string,      |    |     | 50      |
| " sprays..... per bunch,        |    |     | 50      |
| Smilax.....                     |    |     | 15 00   |

last bringing the highest holiday prices. This season orders are already being placed for white carnations and the demand will, it is believed, spread into every neighborhood where the knowledge of the beautiful custom can be

made known. Love and adoration for one's mother is universal, the very best mother in the land, and this custom of honoring her by wearing a flower on a day set apart will, we believe, become, or can be made, one of the most popular of all days on which flowers are a feature.

"Slow" Philadelphia, or rather the enterprising florists' supply men of this city have been stirring up Boston and corraling large orders in that learned city the past week or two. First it was M. Rice & Co. and then H. Bayersdorfer & Co., who sent their best men and who, we are told, had all they could do to "write 'em down," so fast did the orders come in. Great preparations are being made for Decoration day business which, with or without the florists' help, is one of the greatest floral fetes of the year in that city.

The H. A. Dreer Co. has had a great run on box (the past month, and is completely sold out of all the small and medium sizes. Business at this great establishment is in full swing, all kinds of hardy and herbaceous stock moving off in large quantities and orders are coming in such quantities that a record-breaking business is assured.

Niessen's market is a busy place these mornings. An immense quantity of stock is moved early in the day. The coolest man in the place is Captain Leo, who is always on the job. We question if there is another business in the country of such magnitude that is managed with less friction. K.

MONTVALE, MASS.—Mrs. David Fisher has sold her greenhouse plant on Hill street to Flood, who will continue the business.

NEW YORK.—Dr. N. L. Britton, director of the Botanical Gardens, returned April 5 from a six-week excursion into the Cuban mountain wilderness in search of specimens.



## New York.

## TRADE QUIET.

The weather of the past week was cooler, but there was little appreciable decrease in the volume of cut stock arriving in this market. There was a somewhat better movement on Saturday, but no increase in prices. The situation is bad, but growing hysterical or throwing fits will not improve it. The remarkable weather conditions of March cut two ways to the disadvantage of business. It brought in an enormous supply of stock and took many people out of the city. With weather favorable for autoing and other forms of outdoor amusement, the wealthy and care-free citizens usually make the most of it, and not only florists but other tradesmen suffer. It is true that in a great city like this there is always a demand for flowers and always something doing, but of late the demand has fallen greatly below the supply. But, we take an optimistic view of the situation and believe that in a short time conditions will improve.

April 11.—There is a slight improvement in the condition of the market this morning, due to cool weather and a lighter supply of stock. It is impossible to furnish quotations on lilac, of which there is now an abundant supply, as no two dealers bunch it in the same way. It is possible to buy a big bunch for 25 cents.

## NOTES.

Miss Susanna Lustgarten, 19 years old, the only child of Charles and Isabelle Lustgarten, of Elmhurst, L. I., died in the Brooklyn hospital on the morning of April 9. Her death was caused by burns received the previous evening at a merrymaking by the girls of Adelphi college, Brooklyn, of which she was a student. One of the features of the entertainment was a ghost dance, in which the girls danced around a purple light, made by burning alcohol and table salt in a dish. It is said that Miss Lustgarten poured alcohol from a bottle into the dish while the fire was still burning, and there was an immediate explosion which set her light clothing on fire. Before it could be extinguished she was fatally burned. There is widespread sympathy for the bereaved parents, who are well known growers of Elmhurst, and familiar figures in the New York Cut Flower Exchange, where they sell their stock. Both have always been very hard workers, their great ambition having been to give their daughter a good education and a good start in life. Last summer, mother and daughter made an extended tour of Europe.

Ford Bros., 48 West Twenty-eighth street, recently took a lease on the Manhattan Flower Market, 46 West Twenty-eighth street. Before they had time to move they received and accepted an offer of \$10,000 for their lease, as the building is to come down to make room for a more pretentious structure. In these days of depression that is a faster way of making money than by selling flowers. It is understood that all the buildings from 44 to 50 West Twenty-eighth street, on the even-numbered side, will soon be torn down, and there are other prospective changes.

The funeral of Mrs. Geo. M. Stumpp was held at the family home, 65 East Ninety-first street, on the afternoon of April 7. There were services at the Episcopal church and many beautiful floral offerings. Interment was in Woodlawn cemetery.

From Hackensack, N. J., the death is reported of Mrs. Winnefeld, wife of the junior member of the firm of Lehigh & Winnefeld, plant growers and shippers to this market.

# Surplus Stock

## LILIUM AURATUMS

8-9-in. (130 in a case) ..... \$ 4.50 per case

## LILIUM SPECIOSUM ALBUMS

8-9-in. (220 in a case) ..... \$13.00 per case

## CYCAS STEMS

¾ lb. (300 lbs. to a case) ..... 16.50 per case

Prices f. o. b. New York. Sold only in case lots.  
Stock limited. Order at once.

## BAMBOO STAKES

Natural and green. Various sizes always on hand.

**Yokohama Nursery Co., Ltd.**  
**31 Barclay St., NEW YORK**

John W. Gibson, of Gibson Bros., Newport, R. I., was in the city April 8. He reports good Easter business and looks forward to a good season.

George Bradshaw has taken a position with J. K. Allen.

### New York Florists' Club.

The regular monthly meeting of the Florists' Club was held in the Grand Opera house on the night of April 11, with a good attendance. Walter F. Sheridan reported for the dinner committee and was tendered a vote of thanks for his able and effective work. Wm. H. Siebrecht, Jr., reported for the plant market committee, advancing a proposition for a plant market under the Manhattan approach of the new Queensborough bridge at Fifty-ninth street. There was a spirited discussion over this matter, in which Patrick O'Mara, F. R. Pierson, A. F. Faulkner, John Birnie, James Dean, John B. Nugent, Jr., Wm. Elliott and W. E. Marshall participated. Finally, on the motion of Chas. H. Totty, it was decided that the club endorse the proposition and ask the co-operation of members of the club and other interested societies. One speaker advanced the theory that the business of the city will soon be revolutionized. Another said that while that might be true, he believed that the change would come slowly, and that he thought that if any changes were to be made in the matter of selling plants and cut flowers they should be in methods and not in location.

M. McKerrick and Chas. McTaggart were elected members. G. A. Merritt, T. Maelstrom and J. A. Weis were proposed for membership. A communication was received from Hitchings & Co., the well known greenhouse builders, offering a silver cup for competition in exhibits. The offer was accepted and a vote of thanks tendered. It was voted that the club give hearty co-operation toward the passage of the bill now before the legislature for suitable greenhouses at Cornell University. President Pierson, of the S. A. F., spoke in reference to the next meeting at Rochester. He said that he hoped for and expected a great delegation from this city. The transportation committee follows: Frank Traendly, John Young, Harry Bunyard. Kessler Bros., 50 West Twenty-eighth street, exhibited their new fern. Louis Dupuy, Whitestone, N. Y., exhibited new types of hydrangeas. Mrs. A. M. Booth, Great Neck, (E. Fardel, gardener), exhibited anemones and stocks. All of the exhibitors spoke interestingly of their productions.

# APHINE

The practicability of spraying, compared to fumigating or vaporizing is being more generally recognized than heretofore among those engaged in floriculture and horticulture.

Spraying, when operated on scientific lines, is proving the most economical method of combating insect pests. Fumigation requires the filling of the house. Spraying requires application to that portion of the house only where the insects make their appearance.

Fumigation is not beneficial to flower or foliage. Spraying with Aphine does not affect them in the least, in fact, it invigorates the plants. Send for descriptive circular.

**Aphine Manufacturing Co.**  
**MADISON, N. J.**

### Buffalo.

#### STOCK PLENTIFUL.

The weather is variable and stock plentiful. Killarney, Richmond and American Beauty roses are good. Carnations are plentiful, but not large. Violets are in over-supply and moving slowly. Some good gardenias and orchids are coming in, with fair sale. Valley is always salable. Flowering plants are scarce, a few hyacinths, hydrangeas and some fine calceolarias are all that can be had. Daffodils are in profusion, the warm spell last week bringing outdoor stock in almost as freely as indoor, the former only for a day or two. Bargain sales are still on the Saturday calendar.

The first meeting of the Florists' Club under the administration of President Streit was held last Tuesday. A fair attendance only, auditing of the last officers' books and reports of committees taking up all of the evening. Some talk was indulged in regarding a fall show, but no definite action taken.

BISON.



1887

Telephone 167 Madison Square.

1910

**J. K. ALLEN,**Wholesale Commission Florist,  
Established 1887.

106 West 28th Street,

NEW YORK CITY.

Open the year around to receive shipments of Cut Flowers.

Open Every Morning at 6 a. m.

Prompt Returns To Shippers

**A. L. YOUNG & CO.,** 54 W. 28th St., and **Manhattan Flower Market,** 46 W. 28th Street, NEW YORK  
Tel. 3559 Mad. Sq. Telephone 1016 Madison Square.

WHOLESALE FLORISTS. Consignments of Choice Cut Flowers Solicited. Prompt Payments. Give Us a Trial

**Traendly & Schenck,**

WHOLESALE FLORISTS,

44 WEST 28th STREET.  
Phones, 798 and 799.

NEW YORK.

**Young & Nugent,**

Telephone 2065-2066 Madison Square.

42 West 28th Street,  
To out-of-town florists

We are in the Heart of

New York

And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

Give us a  
Trial  
We can  
Please you.Roses, Carnations and all kinds of  
Seasonable Flowers in Stock.**WM. F. KASTING CO.** Wholesale  
Commission Florists.  
**BUFFALO, N. Y.**  
Florists' Supplies and Wire Designs.**August Millang**

WHOLESALE FLORIST

41 W. 28th St., NEW YORK

**N.Y. Cut Flower Exchange**

Coogan Bldg., 6th Ave. &amp; W. 26th St., New York.

Open for Cut Flower Sales at 6  
o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

**V. S. DORVAL,** Secretary.**ALFRED H. LANGJAHR**

WHOLESALE FLORIST,

55 W. 28th Street, NEW YORK.

All flowers in season. Consignments of first-  
class stock solicited.

Phones 4626 and 4627 Madison Square.

KANSAS CITY, Mo.—The Alpha Flor-  
al Co. says business at Easter was  
very satisfactory, the stock being  
bought right and sales being 10 per  
cent higher than last year at better  
prices. Plants and cut flowers were  
both equal to the demand.**Wholesale Flower Markets**

NEW YORK, April 13.

|                                   |             |
|-----------------------------------|-------------|
| Roses, Beauty, special.....       | 15 00@20 00 |
| .. .. fancy .....                 | 8 00@10 00  |
| .. .. No. 1.....                  | 5 00@ 6 00  |
| .. .. No. 2 .....                 | 1 00@ 3 00  |
| .. .. Bride, Bride, special.....  | 3 00@ 5 00  |
| .. .. extra and fancy.....        | 1 00@ 2 00  |
| .. .. Killarney, special.....     | 6 00@ 8 00  |
| .. .. extra and fancy.....        | 3 00@ 5 00  |
| .. .. No. 1 and No. 2.....        | 50@ 1 00    |
| .. .. My Maryland.....            | 2 00@ 8 00  |
| .. .. Richmond.....               | 1 00@12 00  |
| .. ..                             | 50@ 2 00    |
| Carnations.....                   |             |
| Callas.....per doz.,              | 75@ 1 00    |
| Cattleyas.....                    | 25 00@60 00 |
| Gardenias.....per doz.,           | 75@ 2 50    |
| Lilium Longiflorum.....           | 2 00@ 4 00  |
| Lily of the Valley.....           | 1 00@ 3 00  |
| Mignonette.....per doz.,          | 20@ 50      |
| Sweet Peas.....per doz., bunches, | 35@ 75      |

BUFFALO, April 13.

|                                   |             |
|-----------------------------------|-------------|
| Roses, Beauty, special.....       | 20 00@25 00 |
| .. .. fancy .....                 | 15 00@20 00 |
| .. .. extra .....                 | 10 00@15 00 |
| .. .. Bride, Maid, Killarney..... | 8 00@10 00  |
| Carnations.....                   | 1 50@ 3 00  |
| Callas.....                       | 8 00@12 00  |
| Daffodils.....                    | 1 00@ 2 00  |
| Daisies.....                      | 1 00@ 2 00  |
| Jonquils.....                     | 1 50@ 2 00  |
| Lilium Longiflorum.....           | 8 00@10 00  |
| Lily of the Valley.....           | 3 00@ 4 00  |
| Mignonette.....                   | 1 00@ 3 00  |
| Ferns.....                        | 2 00        |
| Galax.....                        | 1 50        |
| Sweet Peas.....                   | 50@ 1 00    |
| Tulips.....                       | 1 00@ 2 50  |
| Violets.....                      | 40@ 60      |
| Adiantum Croweanum.....           | 1 25@ 1 50  |
| Asparagus Str.....                | 50@ 60      |
| Smilax.....                       | 15 00       |

**FORD BROS.,**

Receivers and Shippers of

**Fresh Flowers**

48 West 28th St., NEW YORK.

Telephone 3870-3871 Madison Square.

ANACOSTIA, D. C.—Local growers  
were well pleased with the Easter  
business. There was a scarcity of  
roses, carnations and violets but an  
abundance of other stock. Prices  
were about the same as last year.**Alexander J. Guttman,**  
**THE WHOLESALE FLORIST OF NEW YORK**

34 WEST 28th STREET,

PHONES, 1664-1665 MADISON SQUARE

ENOUGH SAID.

**Trade Directory**

—OF THE—

UNITED STATES AND CANADA.

PRICE \$3.00, POSTPAID.

American Florist Co., 324 Dearborn St., Chicago

**Moore, Hentz  
& Nash,**

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756  
Madison Square.

NEW YORK.

**HORACE E. FROMENT**

WHOLESALE COMMISSION

American Beauty Roses a specialty. Roses,  
Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.

**Walter F. Sheridan**

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

39 West 28th St., NEW YORK.

—FLOWERS SHIPPED BY—

**JOHN I. RAYNOR**Are the best product of the best growers  
for the New York market.

Adiantum Croweanum sold here exclusively.

49 West 28th St., NEW YORK

Telephone 1998 Madison Square.

**KESSLER BROS.**

50 W. 28th St., NEW YORK.

CUT FLOWERS

Wholesale Plantsmen and Florists.

Phone 2336 Madison Shipments Everywhere.  
Prompt and satisfactory. Consignments solicited.



**George Cotsonas & Co.**Wholesale and Retail Dealers  
in all kinds of**Evergreen**Fancy and Dagger  
Ferns, Bronze and  
Green Galax,  
Phone 1202 Mad. Sq.

MainStore, 50 W. 28th St., NEW YORK.

**New Crop Ferns****FANCY and DAGGER** ready May 1st.Special price for large orders  
Price \$1.25 per 1000.**GALDWELL THE WOODSMAN CO.,**  
Evergreen, Alabama**WHOLESALE PRICE LIST****GALAX, FERNS AND LEUCOTHOE**  
Direct from the woods to the dealer.

|                                            |                 |
|--------------------------------------------|-----------------|
| Galax green and bronze.....                | Per 1000 \$0.00 |
| Ferns, dagger and fancy.....               | 1.00            |
| Green Leucothoe Sprays, regular lengths... | 2.00            |
| Green Leucothoe Sprays, 10 to 15-in.....   | 1.00            |

Special prices on lots of 100,000 and up.  
Terms strictly cash, f. o. b. Elk Park, N. C.

**North Carolina Evergreen Co.,** Banners Elk, N. C.**Cincinnati.**

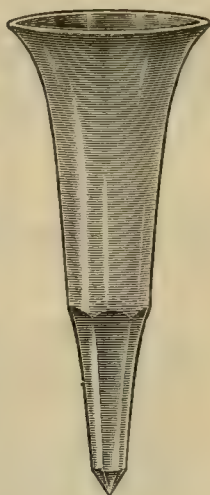
TRADE VERY POOR.

Cut flower business is very poor. The demand has subsided until it amounts to almost nothing. While a few of the retailers report a fair business, yet by far the majority say it could scarcely be worse even in the good old summer time. It is a pretty hard matter to figure the cause of the slump, there being no special reason why business should go all to pieces at this time of the year, and to have roses and carnations pouring into the city from all points makes the slump doubly unfortunate. Even the extremely low prices at which stock is offered does not help to clean up the market. Several growers report going off crop with carnations, and undoubtedly this will tend to give the market a better tone in the near future. About the only scarce article is sweet peas, and it appears as though every customer coming into the wholesale houses asks for this favorite little flower. Lilac is to be had in any quantity, but this week will see the last of it. Lilies and callas are a glut and hard to move even at reduced prices. Tulips and hyacinths are to be had in any quantity, but the outdoor daffodils have the call on account of being cheap. Smilax remains scarce, but there is too much asparagus on the market.

**NOTES.**

Peter Weiland, of the firm of Weil and & Olinger, is having a very severe attack of rheumatism and left last Tuesday for Hot Springs, Ark., to see if a change of climate and the baths at this famous resort will not benefit him. Meanwhile, Peter Olinger is looking after the growing end at New Castle, Ind., and Wm. Gardner is in charge of the selling end. They have an immense cut of roses, which are sent to this market twice a day, afternoon and evening, and it keeps the store boys working far into the night to keep the stock graded up and put in water.

The Jabez Elliott Flower Market was a sight last Saturday. The stand holders displayed some very well grown plants and all seemed to be doing a nice business. From present indications everything points to a big business in bedding plants this spring and thousands of people patronize the flower market to have their wants satisfied.

**Clara Cemetery Vase****MADE OF SOLID MOULDED GLASS**12 inches high, with wide flaring mouth.  
Can be supplied in green or white.  
Doz., \$2.50; barrel of 3 doz., \$6.00,  
f. o. b. Chicago.**Vaughan's Seed Store,****CHICAGO:**

84-86 Randolph St.

**NEW YORK:**

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**FANCY****DAGGER****New Crop Hardy Cut Ferns**

First Quality, \$1.40 per M.

ALSO DEALERS IN

**Baled Spruce for Cemetery Use**

BOUQUET GREEN, SPHAGNUM MOSS, Etc.

**L. B. BRAGUE & SON,**Oldest, Largest and  
Most Reliable Dealers  
in the United States.**Hinsdale, Mass.****FANCY.****Henry M. Robinson & Co.**

Wholesale Commission Florists.

**Cut Flowers** of all kinds, **Hardy Cut Evergreens and Florists' Supplies.**

|                             |                                  |
|-----------------------------|----------------------------------|
| Dagger and Fancy Ferns..... | \$1.50 per 1000                  |
| Bronze and Green Galax..... | \$1.00 per 1000; 8.50 per 10 000 |
| Leucothoe Sprays.....       | \$1.00 per 100; \$7.50 per 1000  |

Southern Wild Smilax, Branch Laurel, Laurel Festooning,  
Green and Sphagnum Moss, Boxwood Sprays,

A large stock constantly on hand. Can fill orders at a moment's notice, Telephone or telegraph.

Telephones: 2617-2618 Main; Fort Hill 25290.  
15 Province Street and 9 Chapman Place,**BOSTON, MASS.****FANCY FERNS, \$2.00 per 1000**

|                                         |                                       |
|-----------------------------------------|---------------------------------------|
| New Crop Galax, Bronze or Green.....    | \$1.25 per 1000; 12,000, \$7.50       |
| Sphagnum Moss, large bales.....         | \$1.25; 6 bales, \$7.00. Extra fine   |
| Leucothoe Sprays, Green and Bronze..... | \$1.00 per 100; \$7.50 per 1000       |
| Boxwood.....                            | per bunch, 35c; 50-pound case, \$8.50 |

Florists in the Middle and Western States can save money  
by placing their orders with us. A trial order solicited.**MICHIGAN CUT FLOWER EXCHANGE, Inc.**

Wholesale Commission Florists and Florists' Supplies,

38-40 Broadway,

All phone connections.

**DETROIT, MICH.**

Edith F. Kyrk, out in Avondale, is one of the fortunate retailers who was busy the past week and took a great many flowers out of the wholesale district every day. She says that one had to handle too much stock to clean up any money and would rather have less work and more money.

The Florists' Society held the regular monthly meeting on Monday evening, April 11, and only routine business was transacted. The question of the annual outing was brought up, but laid over until the next meeting.

E. G. Gillette is handling some very fine Beauties from the Heller Bros.' greenhouses at New Castle, Ind.

S.

Perpetuated and Natural Sheet

**MOSSSES****Southern Wild Smilax:****E. A. BEAVEN,**

Evergreen, Ala.

Mention the American Florist when writing

PASADENA, CALIF.—Entries from amateurs were scarce but the professionals turned out in force at the local flower show which opened March 31. A feature of the show was the collection of California plants exhibited by P. D. Barnhart.



# DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

**Alexander McConnell,**

571 Fifth Ave., Windsor Arcade,  
NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL  
Western Union Code.

Cleveland, O.

**The Cleveland Cut Flower Co.**

Will fill your orders for designs and cut flowers in  
NORTHERN OHIO.

Dayton, O.

**Matthews,**

—FLORIST—  
16 W. 3rd Street.

Flowers in any arrangement for all occasions,  
for Dayton and vicinity. Long dis. Phones

St. Paul, Minn.

**HOLM & OLSON,  
ST. PAUL.**

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in  
MINNESOTA AND THE DAKOTAS.

Los Angeles, Calif.

**J. W. Wolfskill,  
FLORIST,**

Telegraph Orders  
A Specialty, 218 W. 4th St.

St. Paul, Minn.

**L. L. MAY & CO.**

Order your flowers for delivery  
in this section from the

Leading Florists of the Northwest

San Francisco, Calif.

**J. B. BOLAND**

Successor to Sievers and Boland  
**FLORIST**

60 KEARNEY STREET.

Atlanta, Ga.

**Atlanta Floral Co.**

41 Peachtree Street.

Pittsburg Pa.

**H. L. BLIND & BROS.,**

Two Stores: Liberty Av. & 5th St., 5424 Center Av.  
Greenhouses: West View.

New York.

Established 1874.

**DARDS**

N. E. Corner 44th St.  
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Mention the American Florist when writing



A sign like this in your window will draw  
good business now.

## Steamship Sailings.

FROM NEW YORK EXCEPT AS NOTED.  
April 19.

Moltke, Ham.-Amer., 2 p. m., Hoboken Pier.  
Rotterdam, Holl.-Amer., 10 a. m., Hoboken Pier.

Kaiser Wil der Grosse, N. Ger. Lloyd, 10 a. m., Hoboken Pier.  
FROM BOSTON, Hesperian, Allan, 6 a. m.  
FROM BOSTON, Cmyric, White Star, 5 p. m.

April 20.

Lusitania, Cunard, 9 a. m., Piers 54 and 56,  
North River.  
FROM BALTIMORE, Cassel, N. Ger. Lloyd,  
2 p. m., Pier 9, Locust Point.

April 21.

La Touraine, French, 10 a. m., Pier 42,  
North River.  
Bluecher, Ham.-Amer., 9 a. m., Hoboken Pier.  
Prinz Friedrich Wilhelm, N. Ger. Lloyd,  
10 a. m., Hoboken Pier.

April 22.

FROM ST. JOHN, N. B., Empress of Ire-  
land, Can.-Pacific.

April 23.

Furnessia, Anchor, 9 a. m., Pier 64, North River.  
New York, American, 10 a. m., Pier 62, North River.  
Lapland, Red Star, 11 a. m., Pier 59, North River.  
Celtic, White Star, 10 a. m., Piers 60 and 61, North River.  
President Lincoln, Ham.-Amer., 10 a. m., Hoboken Pier.  
FROM ST. JOHN, Tunisian, Allan.  
FROM PHILADELPHIA, Merion, American, 10 a. m., Pier 54.  
FROM PORTLAND, Canada, White Star-Dom.

Detroit, Mich.

**John Breitmeyer's Sons**

Corner Miami and Gratiot Avenues.

Artistic Designs.  
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Kansas City, Mo.

Geo. M. Kellogg Flower and Plant Co.,  
906 GRAND AVE.

KANSAS CITY and PLEASANT HILL, MO.  
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

Terre Haute, Ind.

**John G. Heint & Son,**  
129 South Seventh St.

Telephone 247.

We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

Pittsburg, Pa.

**A. W. SMITH CO.**

KEENAN BLDG.

Largest Floral Establishment in America  
Established 1874. Incorporated 1909.

Rochester, N. Y.

**J.B. KELLER SONS,**

FLORISTS.

25 Clinton Avenue, N.

Rochester Phone 506. Long Dis. Bell Phone 2183

*M.A. Rowe*

IN HEART OF NEW YORK CITY

Phone 2270 38th St. 1294 Broadway  
Our Motto—THE GOLDEN RULE

Kansas City, Mo.

**Samuel Murray**

..... FLORIST .....

1017 Broadway Coates House  
Both Phones 2670 Main. Conservatory

Write, Telephone or Telegraph. All orders given prompt attention.

Louisville, Ky.

Established 1880.

**M. D. REIMERS**

Successor to Chas' W. Reimers.

..... 329 Fourth Avenue



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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place,  
L. D. Phone 558 Lake View.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Chicago.

HAUSWIRTH FLORIST

Auditorium Annex.

Mail, Telegraph or Telephone Orders Filled  
Promptly in Best Style.

Cincinnati, O.

JULIUS BAER,

138-140 E. Fourth St.  
Long Distance Phone.

New Orleans—

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838—  
CANAL ST.

Savannah, Ga.

JOHN WOLF,

Wholesale and Retail  
FLORIST.

Kalamazoo and  
Battle Creek, Mich.

H. A. FISHER CO.

Wholesale and Retail Florists.

We Handle Everything in Season.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper  
care of your orders in Wisconsin.

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled  
promptly with the choicest stock.

Washington,

D. C.

14th and H Streets.

Also

1601 Eutaw Place,

Baltimore, Md.

Indianapolis.

TRADE VARIABLE.

Business had another lull during the early part of the week, but picked up nicely towards the latter part, so that the lull merely amounted to a resting spell before the large amount of funeral work which kept us busy over Sunday. Flowers are plentiful; candytuft has again made a general appearance and eases the design problem considerably. Lilacs are now in nice bloom. Hydrangeas are of good size and move well.

NOTES.

Herman Fachman, proprietor of the Excelsior wire works, has invented and patented a marble game entitled "Possum in the Tree." It is a political take-off. Another invention of which Fachman is the patentee is a chip basket with tacks protruding around the edge. This basket is designed to take the place of the now much used willow basket (flat). Instead of fastening the moss on the basket by wrapping cord entirely around the basket, it is proposed that the cord be laced back and forth from tack to tack opposite. Lacing on these tacks not only makes a neater job than wrapping under the bottom of a willow basket, but also prevents the cord from slipping off at the ends, which is so often the case when a piece is jolted over four or five miles of street enroute to destination.

In the automobile floral parade Louis Deschler, who had his car elaborately decorated with Easter lilies, received first prize. The five lady judges tabooed the paper-flower decorations and gave only a third prize to a car of that sort.

The committee on the Sunday afternoon closed shop club finds that only one of the local florists refuses to comply with its request to close at one o'clock Sunday afternoons.

Albert J. Pittet, who recently bought a fine carriage horse for pleasure use only, is having his trouble in preventing horse dealers around the city from buying it of him.

The representative of the Roseville Pottery Co. was in the city during the past week and seemed to be very successful in booking orders for ivory and mat-green ware.

Homer Wiegand is making preparations to organize the North Side Florists' baseball club team, so as to have a winning nine at the annual picnic this year.

John Bertermann gave an automobile party last Sunday to Cumberland, Ind. The guests were Herman Young and Paul Shidler and their wives.

S. T. Hitz has been selling flowers on commission during the past week, the flowers being sent to him by his brother of Franklin, Ind.

Lester F. Benson is erecting a small conservatory in the rear of his residence property, superintending the work personally.

Tommy Hart is again regular in his attendance upon the Tomilson Hall Flower Market.

A. W. B.

Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave  
Greenhouses: Short Hills, N. J.

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NEW YORK, LONG ISLAND and NEW JERSEY.

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FLORISTS

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Hess &amp; Swoboda

FLORISTS.

1415 Farnum St.

TELEPHONES  
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Denver, Colo.

The Park  
...Floral Co.

J. A. VALENTINE, President.



WASHINGTON

D. C.

Gude's

Washington, D. C.

Geo. C. Shaffer,

::: FLORIST :::

Phone 2416 Main 14th & Eye Sts., N. W.  
Write, Telegraph or Telephone.

The Florists' Market Place,  
Our Ready Reference Ad. Dept



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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Kansas City, Mo.

**WILLIAM L. ROCK,**  
Flower Co.,

Will carefully execute orders for  
Kansas City and any town in

Missouri, Kansas or Oklahoma.

Mention the American Florist when writing

St. Louis, Mo,

Write, Wire or Phone Your Orders to

**YOUNGS**

1406 Olive Street,

Regular discount allowed on all orders, either  
Plants or Cut Flowers.

Phones Bell, Main 2306, Kinloch, Central 4981

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New York.

Established 184

**David Clarke's Sons**

FLORAL DECORATORS

2139-2141 Broadway

Telephones:  
1552-1553 Columbus.

Choice Cut Flowers

Lansing, Mich.

**Gurdon B. Smith**

Covers all Points in Michigan. Best of  
Shipping Facilities in all Directions.  
Always has the best of Everything.



**Seattle,  
Wash.**

**L. W. McCOY**

Anderson, S. C.

**THE ANDERSON FLORAL CO.**

533 MARSHALL AVE.

In Good Position to Know.

"Can you always tell when a man  
cares for a woman?"

"You bet I can. I'm a florist."—  
St. Louis Star.

"SEE here, Mr. Editor, I thought  
your paper was friendly to me. See  
what you have done? I made a speech  
at the banquet last night and you  
haven't printed a word of it."

"Well, what further proof do you  
want?"—Fourth Estate.

"A FARMER has to take chances like  
any other business man," said the citi-  
zen who is interested in the uplift.  
"Yes," answered Mr. Cornlossel. "I'm  
willin' to take all kinds of chances. I  
answer 'most every circular anybody  
sends me. But I never yet had the  
nerve to depend on free-distribution  
seeds for my summer vegetables."—  
Washington Star.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

**DANIELS & FISHER**

Order by mail, telephone, telegraph or  
cable. Cable address "Daniels. Denver"

Toronto, Can.

Canada's best known and most reliable florist

Only  
the  
Best **Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee  
safe arrival.

Cleveland.

A BUSY WEEK.

The past week has been a very busy  
one, not so much in quantities sold,  
but in quantities handled. Stock was  
very plentiful up to the latter part of  
the week when the weather suddenly  
turned decidedly cooler, shortening up  
the crop considerably, until Satur-  
day, April 9, there was a marked  
shortage, particularly in sweet peas,  
of which there were not enough to go  
around. Carnations also were just  
about equal to the demand, which was  
quite a change from the middle of  
the week, when they went begging.  
Callas are coming in in quantity with  
a good demand. Lilies that came too  
late for Easter are now beginning to  
arrive and the demand is fair. A fine  
lot of Candidum lilies are seen and  
find a ready market. Calendulas and  
daisies sell quickly, as does forget-me-  
not and swainsona. Tulips are not as  
good as formerly, the warm weather  
having got in its work. Daffodills,  
mostly single, are in, good stock; pan-  
sies are selling well; violets have a  
fair call; valley is a little scarce.  
Boxwood is being used quite freely;  
string smilax is much in demand, and  
on Saturday could not be had at any  
price, not a single string being found  
at local wholesale houses. White car-  
nations were much in demand Satur-  
day and Sunday.

## NOTES.

Shortly after the present park board  
was appointed in this city, a short  
notice was published in this paper  
stating that neither one of the ap-  
pointees had any previous experience  
in this line. Now, City Forester Frink  
is very much in the limelight, owing  
to the wholesale slaughter of trees in  
our parks and boulevards, for which  
the local papers are roundly censur-  
ing him. It is claimed \$50,000 would  
not cover the damages, and indigna-  
tion meetings, protesting against this  
system of park management, are being  
held all over the city. It is up to  
every lover of nature, and particularly  
by the local nurserymen who know  
something about trees and their care,  
to protest and advise the present  
seemingly incompetent park board.  
Let us hope some action will be taken  
to help preserve our trees instead of  
destroying them.

The Gasser Co., 1106 Euclid avenue,  
outdid all records in distributing flow-  
ers through the press to the sick and  
the orphans in its annual free distri-  
bution Thursday. Eight thousand red  
and white roses were given out to 26  
hospitals and asylums.

The retailers again lost to the  
wholesalers at a bowling match last  
Wednesday evening. C. B.

New York.

**A. J. Bunyard**  
FLORAL CO.

We Guarantee Satisfaction

413 Madison Ave. cor. 48th St.



Albany, N. Y.

**EYRES,**

Flowers or Design Work.

Delivered in Albany and Vicinity on  
Telegraphic Order.

11 NORTH PEARL STREET.

Boston, Mass.

Send flower orders for delivery in

**Boston and all  
New England Points**

To THOS. F. GALVIN, Inc.,  
124 TREMONT ST.

THE J. M. GASSER COMPANY,

**CLEVELAND, O.**

We Cover All Points in Ohio.

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**Palmer's** Flowers  
of Quality  
W. J. Palmer & Son.  
304 Main St.

Louisville, Ky.

**JACOB SCHULZ,**

550 So. Fourth Avenue.

Colorado Springs, Colo.

**FRANK F. CRUMP,**

Wholesale and Retail Florist.

MICHIGAN. Orders will be carefully  
cared for by

**HENRY SMITH,**

Wholesale and Retail Florist of GRAND RAPIDS

**GEO. A. HEINL,** Leading Florist,  
TOLEDO, OHIO.  
All Orders Promptly Executed.



## The Seed Trade.

### American Seed Trade Association.

J. C. Robinson, Waterloo, Neb., Pres.; M. H. Duryea, New York, First Vice-Pres.; F. W. Boligiano, Washington, D.C., Second Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.; Leonard H. Vaughan, Chicago, Asst. Sec'y. Twenty-eighth annual convention, at Atlantic City, N. J. June 21, 1910.

It is understood that as yet there has been no hearing on the drastic insecticide bill as was expected.

KIRBY B. WHITE and Will Bowen, of D. M. Ferry & Co., are making a California trip, going by the southern route.

TOULON, FRANCE.—Latest predictions on the French bulb crop for this year indicate a shortage of approximately 20 per cent.

CHICAGO.—Contract prices on the board of trade April 13 for grass seed were noted as follows: Timothy, \$4.60 nominal. White clover, from 20 cents to 25 cents.

SAN FRANCISCO, CALIF.—A. Ringier, representing W. W. Barnard & Co., Chicago, has returned from Byron Springs, suffering very badly with rheumatism.

SPRINGFIELD, MO.—The Merchants' National Bank of Springfield, Missouri, one of the largest institutions of its kind in this part of the state, re-organized and elected new officers and directors April 5, L. H. Murray, a wealthy capitalist and vice-president of the Springfield Seed Co., going in as president and R. R. Ricketts, president of the Springfield Seed Co., as director. Other stockholders of the seed company are also interested in the bank.

THE society for the protection of the interests of agriculture of Toulon and the coast meets April 16 at Cafe de la Potonde to fix the prices of French bulbs for the present season. A minority wished to defer until April 30. There are now 605 active members of this organization. M. Albert Ordinaire was elected general

## Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

**SAN JOSE, CALIF.**

**Pieters-Wheeler Seed Company**

HOLLISTER, CAL.

Growers of High Grade Seeds

Onion, Lettuce, Radish, Sweet Peas, Etc.

CORRESPONDENCE SOLICITED.

secretary of the bulb section. The directors of the immortelle growers section will be chosen later. The secretary telegraphed the senators, representing Province Var., asking that duties on products of the south be made uniform with those of Belgium and Germany.

### The Seed Business to Date.

Amzi Godden Seed Co., Birmingham, Ala.—The March demand for seeds has been unusual in certain lines, in our own section. There was no increase in the demand for vegetable seeds but the demand for farm and field seeds has been extraordinary and unusual. Which leads us to the conclusion that our southern farmers are interested in diversification of crops and are ready to plant something outside of cotton and corn. We confidently believe that the standard of the seed trade in the south will be largely based on an increased demand in farm seeds. But we do not believe that there will be any increase in the garden seeds with the southern truckers. In fact we are inclined to the opinion that the demand for vegetable seed in the south, to be planted for crops to be shipped north, is on a decline and the decline will continue unless new conditions arise which will bring about a change in early trucking.

The Chas. H. Lilly Co., Seattle, Wash.—March is always the biggest month of the year with us and this year is no exception. Trade has been very satisfactory in spite of some severe shortages and the business shows an increase over that of last year.

### The Amzi Godden Seed Co.

J. H. White, a prominent real estate man, and one of Alabama's best-known business men, has purchased a controlling interest in the stock of the Amzi Godden Seed Co., and will, at an early date, become the executive head of the corporation. He has acquired the stock formerly held by Major Joseph Hardie, Dr. T. F. Cheek and others. Announcement to this effect was made April 6. Mr. White came to Birmingham a few years ago from Uniontown, Ala., and still holds large business interests in Uniontown and neighboring towns of the Black Belt. He holds considerable stock of the J. H. White Mercantile Co., a business that was founded by his father.

## Peas AND Beans

**Alfred J. Brown Seed Co.,**

Growers for the Wholesale Trade.

GRAND RAPIDS,

MICH.

He is a stockholder and vice-president of the Planters' and Merchants' bank, of Uniontown, and has other extensive interests. He is a director of the Watkins Banking Co., of Faunsdale, Ala., and of the Bank of Newbern. He will be elected president of the corporation at the first meeting of the stockholders and directors, and will assume active charge of the financial management of the institution.

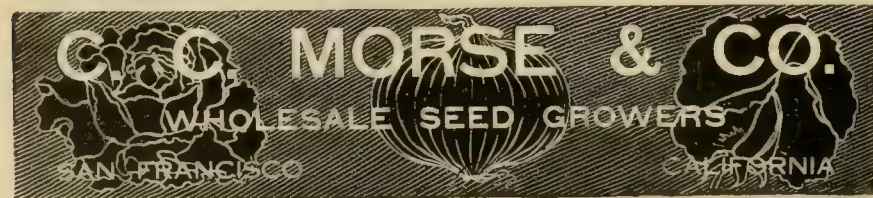
The present corporation, Amzi Godden Seed Co., is an outgrowth and continuance of the business established at Marion, Ala., in 1857, by the late Amzi Godden, whose demise occurred in 1899. The practical operation and general management of the business will remain in the hands of George B. McVay, who has been with the company for 20 years. His business will be the buying and selling of the goods, and his title will be vice-president and general manager. He will develop and look after the wholesale business of the company.

The secretary and treasurer will be John B. Dolsen, who has been with the company for more than two years. Mr. Dolsen is manager of the retail department of the business located at 2018 First avenue, and will continue in same capacity.

### Catalogues Received.

Welch Bros., Boston, Mass., wholesale list florists' supplies; Wm. H. Moon Co., Morrisville, Pa., hardy trees and plants; S. J. Reuter & Son, Westerlo, R.I., chrysanthemums, roses and carnations; Winterson's Seed Store, Chicago, seeds, bulbs, shrubs and perennials; Bobbink & Atkins, Ruthersford, N. J., nursery stock; R. Vincent, Jr. & Sons Co., White Marsh, Md., wholesale list of vegetable, greenhouse and bedding plants; I. N. Kramer & Son, Cedar Rapids, Ia., seeds; Ellwanger & Barry, Rochester, N. Y., ornamental trees and shrubs and novelties; Bridgeman's Seed Warehouse, New York, seeds; Berrydale Experiment Gardens, Holland, Mich., Golden Drop Gooseberry; Wild Bros. Nursery Co., Sarcoxie, Mo., fruits, trees and flowers; Elm City Nursery Co., New Haven, Conn., nursery stock; Kramer Bros. Foundry Co., Dayton, O., lawn vases, window boxes, etc.; E. Gill Nursery Co., West Berkeley, Calif., roses, palms, shade and ornamental trees; Standard Pump & Engine Co., Cleveland, O., pumping engines; W. W. Rawson & Co., Boston Mass., seeds; Bertrand H. Farr, Wyomissing, Pa., hardy plants; New England Nurseries, Bedford, Mass., New England trees and plants; Alonzo J. Bryan, Washington, N. J., wholesale list of potgrown plants; J. Murray Bassett, Hammon-ton, N. J., dahlias, shrubs and hardy plants; Peter Henderson & Co., New York, implements; F. W. Kelsey Nursery Co., New York, trees and hardy plants; Leesley Bros. Nurseries, Chicago, wholesale list nursery stock; Fraser Nursery Co., Huntsville, Ala., surplus list nursery stock; Daniel A. Clarke, Fiskeville, R. I., hardy flowers; Pallsades Nurseries, Sparkill, N. Y., wholesale list of hardy perennials.

Federico C. Varela, Teneriffe, Canary Islands, seeds; Stuart Low & Co., Bush Hill Park, Middlesex, England, wholesale list of carnation plants; Vilmorin-Andrieux & Co., Paris, France, chrysanthemums; Vilmorin-Andrieux & Co., Paris, France, dahlias and can-nas; Wilhelm Pfitzer, Stuttgart, Germany, seeds and plants; J. Blaauw & Co., Boskoop, Holland, nursery stock;







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High-class Seeds, Bulbs, Plants, Shrubs and Nursery Stock.

## "BUDS"

76 Barclay St., NEW YORK CITY

COLD STORAGE LILY OF THE VALLEY PIPS

\$12.50 per 1000 in cases of 2000 only.

Finest German, not Dutch grown. Ready now.

For Fall Delivery 1910

Our own imports from Japan.

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|-------------------------------------------------|----------|
|                                                 | Per 1000 |
| <i>Lilium Longiflorum</i> Multiflorum, 7-9..... | \$50.00  |
| Giganteum, 7-9.....                             | 65.00    |
| Formosum, 7-9.....                              | 65.00    |
| F. O. B. New York.                              |          |

Mention the American Florist when writing

## The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

Branches: Michigan and Wisconsin. **MILFORD, CONN.**

Mention the American Florist when writing

MANN'S

## Lily of the Valley

are the finest in existence, and their flowers bring the best prices on the London market.

For quotation please apply to

**OTTO MANN, Leipzig, Saxony, Germany**

Mention the American Florist when writing

## BURPEE'S SEEDS PHILADELPHIA

Wholesale Price List for Florists and Market Gardeners.

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## JOHN BODGER & SONS CO. Gardena, Calif.

Wholesale Growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Astera Cosmos and other Flower Seeds.

Mention the American Florist when writing

# WILDPRET BROTHERS

Largest Growers and Exporters of



HIGHEST  
GERMINATION

White and Red  
Bermuda.

EARLY  
DELIVERY

Crystal Wax and  
Golden Onion.

Let Us Book Your Order At Once  
So As To Obtain Full Delivery.

Prices on Application.

We Supply Seedsmen Only.

Port Orotava, Teneriffe, Canary Islands.

## CAULIFLOWER SEEDS CABBAGE

LILY OF THE VALLEY PIPS

**HJALMAR HARTMANN & CO.**

Logangstraede 20, COPENHAGEN, DENMARK

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## S. D. WOODRUFF & SONS, SEED GROWERS

Dealers in Garden, Field and Flower Seeds.

Specialties: Beet, Carrot, Corn, Peas.

Beans, Onion Sets and Seed Potatoes.

Catalogue free. Contracts taken.

82-84 Dey Street, NEW YORK.

Orange, Conn. Mention the American Florist when writing

GET QUOTATIONS FROM

## LANDRETH

SEEDS which SUCCEED

Bloomsdale Farm. **Bristol, Pa.**

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## Pape & Bergmann,

Quedlinburg, Germany.

Elite Seeds of Flowers and Vegetables.

Specialties: Stock, Pansies, Cyclamen, etc., Cactus Dahlias, Bulbs. General Catalogue Free

Mention the American Florist when writing

## S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Pea, Muskmelon,

Squash, Watermelon, Radish, Sweet Corn.

Correspondence solicited.

Mention the American Florist when writing

## Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower

Specialties: Lettuce, Onion, Sweet Peas, Aster,

Cosmos, Mignonette, Verbena, in variety.

Correspondence solicited.

Mention the American Florist when writing

## —FOR— SEEDS

OF ALL KINDS APPLY TO

**W. W. JOHNSON & SON, Limited,**  
Boston, England.

Mention the American Florist when writing

## Telegraph Code Am. Seed Trade Association

—\$2.00—

In either stiff or flexible cover. Address orders

AMERICAN FLORIST CO., CHICAGO.



## Market Gardeners

### Greenhouse Vegetable Growers and Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President;  
Franklin DeKleine, Grand Rapids, Mich.,  
Vice-President; S. W. Severance, 508 Illi-  
nois Life Building, Louisville, Ky., Secre-  
tary; M. L. Ruetenik, Cleveland, O., Treas.

IN John Dunbar's notes in our last week's issue, page 548, middle column, last line but one from bottom, for 139 feet, read 30 feet.

### Cucumbers and Tomatoes.

We have frequently called the attention of growers to the necessity of balancing the fertilizer elements in their soils for the production of fruit instead of foliage. The conditions that produce excellent leaf lettuce are not so favorable for cucumbers and tomatoes, as here we want fruit. We have found in our beds we can entirely ignore phosphates for leaf lettuce, hence we use nitrate of soda and sulphate of potash during the lettuce season, but as soon as the cucumbers and tomatoes are under way, we correct things by adding heavily bone meal, rock phosphate or guano, as phosphates are of great importance to flowers and fruit.

Another factor is controlled moisture. We prefer to grow both cucumbers and tomatoes rather dry until fruit has set, then water more liberally. The dry growing will build up a powerful root system which will stand a great deal of work later on. Cucumber growers should arrange in time for some bee hives, to have plenty of bees at hand to pollinate the blooms.

MARKETMAN.

### Destruction of Eelworms in Soil.

Eelworms or nematodes in garden and greenhouse soil constitute a serious and troublesome pest for which it is extremely desirable to find some simple and practical remedy. Experiments on various methods of destroying eelworms have been carried on for many years by G. E. Stone, of the Massachusetts Experiment Station, and a recent report of that station gives some of the practical results of these experiments. As Dr. Stone points out, the use of lime is often advocated for destroying the eelworms, but his experiments show that lime has little or no value for this purpose. In fact, it was found possible to keep eelworms alive for several days in a saturated solution of limewater. "Undoubtedly the application of lime to greenhouse soil improves it by modifying its acidity, but eelworms will thrive in soils which are not acid."

The use of formalin has been recommended, but the experiments at the Massachusetts station indicate that this is not effective in killing the worms, and besides cannot be used on soils containing growing plants on account of the injury likely to result to the plants. Of late years formalin has been recommended as a remedy for eelworms on violets. This is used by applying it to holes made in the

# FOR THE FIRST TIME

I can offer for export my unsurpassed stocks of

## Dwarf Erfurt Cauliflower and Cabbage Danish Ballhead

of my own growth for delivery after harvest, and I wish to call the attention of all seed merchants and market growers to these splendid varieties, with which I have reached the highest grade of quality. Prices and catalogue sent on application.

## L. DÆHNFELDT,

## Odense, Denmark

Most Important Seed Grower in the Scandinavian Countries (5,000 acres.)

Peter Rasmussen, Bensenville, writes when ordering some different sorts of cabbage: "The seeds bought last year were splendid. Send me this year the very same stocks."

# DITTLEV ELTZHOLTZ & CO.

## Ringe, Denmark

Offer for delivery this autumn, 1910:

CAULIFLOWER, Danish Snowball, at.....\$6.50 per lb.  
CABBAGE, Danish Ballhead (Amager), at..... 0.50 per lb.



### STOCK SEED

Fisk's Branching in all colors. Trade packet, 40c., oz. \$4.00.

Pure White, tr. packet, 50c., oz. \$5.00.

Also Beauty of Nice strains.

H. E. FISKE SEED CO., Boston, Mass.

soil where the plants are growing. The formalin being volatile, the gas penetrates the soil and is said to kill the worms. Our experiments with it would not seem to warrant the use of this method of treatment, as formalin is injurious to plants, and there is reason to believe that it would not affect in the least the eggs of eelworms, which are fairly well protected by a resistant covering. The methods used with more or less success at the Massachusetts station for destroying eelworms in greenhouse soils were as follows:

**Sterilization.**—This is one of the cheapest and best methods of destroying eelworms in greenhouse soil. It is necessary that the soil be heated to at least 180° F., and a higher temperature is better. This is accomplished by driving steam through the soil by a system of perforated pipes.

**Freezing.**—If the soil is frozen for any length of time the eelworms are destroyed, and some use has been made of this method by practical growers. As a rule, the soil is removed from the house and frozen in bulk outdoors.

**Desiccation.**—Drying the soil is destructive to eelworms, but it is difficult to dry soils sufficiently in deep benches to make this method effectual. The application of unslaked lime, however, will materially aid in drying the soil, by virtue of the water-absorbing qualities of the lime.

**Trapping, or the catch-crop method.**—It has been found in Germany that sowing very susceptible crops, like mustard or rape, on soil contaminated with eelworms, and, after the females have become encysted in the roots, pulling up the plants and exposing them to the drying rays of the sun, is capable of reducing the worms to some extent in contaminated soils. We have found, however, that two or three catch crops are much better than one.

## MUSHROOMS

### HOW TO GROW THEM

BY WM. FALCONER.

The Best American Book on the Subject.

170 Pages.

29 Illustrations.

—Price \$1.00.—

AMERICAN FLORIST CO.

324 Dearborn St., CHICAGO.

## VEGETABLE PLANTS

|                                                                                                       |         |        |
|-------------------------------------------------------------------------------------------------------|---------|--------|
| Beet Plants .....                                                                                     | Per 100 | 1000   |
| Egg Plants .....                                                                                      | \$0 20  | \$1 25 |
| Pepper Plants, Bull Nose, Sweet .....                                                                 | 40      | 2 00   |
| Mountain and Ruby King .....                                                                          | 40      | 2 00   |
| Tomatoes, small plants, Earliana, Early Jewel Dwarf Stone and Champion, Ponderosa and Matchless ..... | 30      | 2 00   |
| Tomatoes, small plants Stone, Paragon and Favorite and Success .....                                  | 20      | 1 00   |

— Cash with order.

R. VINCENT, Jr. & SONS CO., White Marsh, Md.

## Wanted

Contracts to grow all kinds of Vegetable Plants, transplanted or not. Also Geraniums, Coleus, Cannas, Salvias, Verbenas, Pansies, etc., for spring delivery. All stock only. Correspondence solicited.

Alonzo J. Bryan, Wholesale Florist, Washington, New Jersey.



Watch for our Trade Mark stamped on every brick of Lambert's

### Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

The Massachusetts experiments indicate that in some instances simply flooding the soil may prove a successful means of destroying the eelworms, and that manure infested with eelworms may be safely used on garden and greenhouse crops if left for a sufficient length of time in water.





**Vaughan's**  
**Lilium Harrisii.**

**1911 Both Plants and Bulbs Carefully Selected.**

While we do not claim that our Harrisii are absolutely free from disease, or that every bulb will produce a perfect plant, we do claim that our growers efforts in the way of spraying and roguing are producing results, our stock now being freer from disease than ever before and of genuine Harrisii type. In fact, the best general crop grown on the island of Bermuda.

**Vaughan's Seed Store,**  
CHICAGO. NEW YORK.

## VAN ZANTEN BROTHERS

Royal Netherland Bulb Nurseries  
and Export Trade.

**HILLEGOM, HOLLAND,**

Wholesale growers of the leading sortsof  
**Hyacinths, Tulips, Narcissus, Crocus,**  
**Spireas, Gladiolus, Peonies, etc., etc.**

Write our traveler, **MR. G. HYLREMA,** care of  
**Messrs. Maltus & Ware, 14 Stone St., New York**  
for Catalogue and Special prices of all

## HOLLAND BULBS AND PLANTS

Mention the American Florist when writing

### Prices of Indoor Fruits and Vegetables.

New York, April 9.—Mushrooms, 40 cents to 55 cents per pound; cucumbers, 90 cents to \$1.50 per dozen; lettuce, 75 cents to 95 cents per dozen heads; tomatoes, 30 cents to 35 cents per pound; radishes, 3 cents per bunch; mint, 90 cents per dozen bunches; grapes, Gros Colman, 85 cents per pound.

Chicago, April 13.—Mushrooms, 25 cents to 40 cents per pound; cucumbers, \$1.25 to \$1.50 per dozen; leaf lettuce, 30 cents per box; head lettuce, Florida, \$3.50 per hamper, Louisiana, \$5 and \$7 per barrel; tomatoes, 20 cents per pound; radishes, 50 cents per dozen; grapes, Gros Colman, 75 cents per pound; rhubarb, 60 cents.

## Not How Cheap But How Good

**Seedsman:** Do not be misled by cheap offers.  
Always buy the Best

### "Bermuda Onion Seeds"

You can obtain the "Improved Stock" from the grower,

**FEDERICO C. VARELA,**  
**Teneriffe, Canary Islands.**

P. S.—Please mail me your Contract Order at once.

HUTCHINSON, KANS.—Miss Bessie Schurr, who has been in the employ of a Wichita wholesaler, has returned and will be associated with her father, Geo. M. Schurr, in the flower business.

NEW ORLEANS, LA.—F. B. Faessel is tearing down his greenhouse and will discontinue the retail business, removing to Ocean Grove, over Lake Ponchartrain, where he will grow asparagus for the wholesale trade.

## ONE-HALF CAR OF Calla Bulbs

Ready end of July.

Write for prices.

Berrydale Experiment Gardens, Holland, Mich.  
Mention the American Florist when writing



## The Nursery Trade

American Association of Nurserymen.

F. H. Stannard, Ottawa, Kans., President;

W. P. Stark, Louisiana, Mo., Vice-President;

John Hall, Rochester, N. Y., Sec'y.

Thirty-fifth annual convention to be held at Denver, Colo., June 8-10, 1910.

ONE nurseryman said, "As my stock was starting to bloom, I thought it best to dig, but found the ground frozen." This simply indicates the shortness of the nurseryman's season this year.

JACS. SMITS, of Naarden, Holland, will be in the United States through April, May and June, during which time his address will be, Care of Maltus & Ware, 14 Stone street New York.

ROCKFORD, ILL.—This city spent about \$65,000 last year in acquiring land for park purposes and will spend as much more in improvements this year. One large park of about 120 acres on the outskirts of the city has been acquired and two playground parks, one of about five acres, the other of about 25, will be fitted up for use in the heart of the city, besides a number of small spaces which formerly were under control of the city council.

### Notes from Rochester, N. Y.

The Japanese witch hazel never looked so beautiful or flowered so freely as it has here this season. Four large specimens have all their branches completely covered with flowers and the long, lemon-yellow petals, give a massed effect that is quite noticeable at the distance of one-half mile. Of course, the weather has been remarkably propitious for it. The flowers will stand considerable freezing at night without injury. But when it comes in bloom some seasons, and the temperature drops very low, the blossoms are apt to be a little dulled or blasted. It is perfectly hardy and the tips of the shoots are never injured by the coldest winter we have.

It is surprising that American nurserymen do not handle this beautiful hardy shrub. We have either to import it from Europe, or procure it from Japan by special order to dealers in Japanese plants. The plants usually sold are grafted, but seedlings can be procured, as we imported 100 seedlings from Japan a year since, through a New York firm, and looking at them the other day in the nursery row, we noticed a considerable variation in the flowers of some of the individuals that showed a few scattering blossoms. They produce quite a number of blossoms when only 2½ to three feet high. It is an important shrub for planting in city grounds, as it stands smoke well. In a Japanese catalogue just received, I see the seed quoted at \$3.50 per pound, and if it is like the American species it will probably not germinate until the second year after sowing, but it is worth waiting for.

The so-called Constantinople hazel (*Corylus colurna*) has been in full bloom since March 22, and the long pendulous graceful, brownish yellow catkins, thickly scattered over the branches of large trees, look quite pretty. E. H. Wilson, the distinguished

# Special Clearance Sale of California Privet

One Year Old, Two to Four Branches

Fine plants for retail trade and cheap enough for lining out.  
Cash with order or satisfactory reference.

6 to 12 inch, at \$3.00 per 1000  
12 to 18 inch, at 6.00 per 1000

These must be sold to make room for our heavy plantings; hence the low price. Will pay you to get a few thousand for growing on another year. Will make fine two-year plants.

## THE LANCASTER COUNTY NURSERIES

David S. Herr, Prop.

R. F. D. No. 7, LANCASTER, PA.

# Bobbink & Atkins

RUTHERFORD, N. J.

**World's Choicest Nursery Stock** Such as Evergreens, Shade and Ornamental Trees, Shrubs, Vines, Trained, Dwarf and Standard Fruit Trees, Grape Vines, and other Small Fruits, Herbaceous Plants and a general variety of Spring Bulbs.

**Boxwood--Bay Trees** and all other decorative plants, such as Dracenas, Aucubas, Palms, Etc.

Inspection of our Nursery invited, and convince yourself that we have the Stock. Only 9 miles from New York City.

# STOCK FOR FLORISTS

**ROSES** for Forcing—Hybrid Perpetuals and Ramblers, all the best ones; fine, strong stuff. Clematis, Ampelopsis, Tree Hydrangeas and Lilacs, Shrubs, Vines and Perennials. Write for prices.

**PALMS**—Kentias in 2½ inch pots, \$8.00 per 100; \$75.00 per 1000.

**JACKSON & PERKINS CO., Newark (near Rochester), New York**  
Nurserymen and Florists. Wholesale only. Use printed stationery.

## Phoenix Nursery Company

Nurserymen and Florists  
BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for spring issued Feb. 1st.

botanist, who has had such remarkable success in exploring central China for new plants, and who is just now starting on a second expedition to China in the interests of the Arnold Arboretum, was quite impressed when looking at our trees the other day, to see them doing so well so far north. He had seen it in China, and I was not aware, previous to that, that it extended much beyond the limits of Asia Minor.

## Jacs Smits & Co., NAARDEN, (Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Price List Free on Demand.

## JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture.

The European and American hazels are now in full flower, and the beaked hazel is now coming in bloom. The European, Japanese, and American al-



## Extremes Meet

MINIMUM COST — MAXIMUM QUALITY

This is demonstrated fully in our 1910 catalogue of **PERENNIALS** and other **HARDY PLANTS** which we grow exclusively by the acre.

Free For The Asking.

**Palisades Nurseries, Inc.,**  
**SPARKILL, N. Y.**

Mention the American Florist when writing

## LARGE TREES

OAKS and MAPLES  
Pines and Hemlocks

**ANDORRA NURSERIES,**

Wm. Warner Harper, Prop.  
Chestnut Hill, PHILA., PA.

THE

**Storrs & Harrison Co.**

**PAINESVILLE NURSERIES.**

CATALOGUES AND PRICE LISTS  
FREE ON APPLICATION.....

**PAINESVILLE, OHIO.**



**Arbor Vitæ**

(Thuja Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

**The Wm. H. Moon Co.,**  
MORRISVILLE, PA.

## DAHLIAS

Jack Rose and other best Cut Flower varieties. Write for list and prices.

**PEACOCK DAHLIA FARMS**

Williamstown Junction, N. J.

**Eugene Pitou, Jr.** **CIVIL ENGINEER and**  
**Landscape Architect.**

Phone Barclay 4084—229 Broadway, New York  
Designs, Estimates, Construction of Grounds.

ders (Alnus incana, and A. serrulata) are all in full flower. Daphne Mezereum, with its delicately fragrant, lilac purple flowers is now coming in bloom, and what a choice garden shrub this is. This is another subject that nurseryment might push before the public.

CROMWELL, CONN.—A. N. Pierson sailed for Europe April 4 for a vacation of two months.

LOGANSFORD, IND.—The greenhouses of Sam Peterson were destroyed by fire March 30. A neglected bonfire was the cause.

NATICK, MASS.—Alexander Montgomery, Jr., will leave here soon to take charge of a new greenhouse plant in Hadley.

CINCINNATI, O.—Arbor day will be celebrated here by the planting of 50,000 trees which were donated to the school children by a local firm.

# Roses! Roses!

We offer for immediate delivery the following Roses on own roots, dormant, field-grown plants, first-class in every way:

|                            |           |
|----------------------------|-----------|
| 1000 Helen Gould, Balduin, | 12 cents. |
| 300 Pink Baby Ramblers,    | 12 cents. |
| 500 Newport Fairy, - -     | 12 cents. |
| 1000 Dorothy Perkins. -    | 12 cents. |
| 2000 Tausendschon. - -     | 20 cents. |

Also a limited number of dormant, field-grown plants, own roots of the following Roses at 12 cents each; Sweetheart, Trier, Lady Gay, La Fiamma, Taurus Blumchen, Debutante, Hlawatha.

|                                                          |           |
|----------------------------------------------------------|-----------|
| Clematis Paniculata, field-grown, 1 yr.                  | 5 cents.  |
| Clematis Paniculata, field-grown, 2 yr.                  | 8 cents.  |
| Hydrangea Paniculata Grandiflora, 18 to 24 in.           | 6 cents.  |
| Hydrangea Paniculata Grandiflora, 2 to 3 ft              | 9 cents.  |
| Viburnum Plicatum, 2 to 3 ft.                            | 12 cents. |
| Chinese Sacred Lilies, \$3.00 per 100; \$25.00 per 1000. |           |

**Guide To Rose Culture** As a work of reference, this book is almost indispensable and was produced at a cost of \$10,000. FREE to all who ask for it. Write to-day.

**The DINGEE & CONARD CO.,** West Grove, Pa.

## Hardy Field-Grown Roses

We offer a fine stock of the following Roses, viz.:

### HYBRID PERPETUALS

Per doz. Per 100

|                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|
| Ulrich Brunner, Paul Neyron, Gen. Jacqueminot, Magna Charta, Mrs. John Laing, Baroness Rothschild, and other assorted varieties in less quantities, like Mme. Gabrielle Luizet, Marshall P. Wilder, Anna de Diesbach, Baron de Bonstettin, Prince Camille de Rohan, Alfred Colomb, Gen. Washington, Princess Bearn, Rugosa Rubra, Rugosa Alba, Blanche Moreau (White Moss), Chapeau de Napoleon (Pink Moss), Persian Yellow, etc. | \$2.00 | \$13.50 |
| Frau Karl Druschki, Capt. Hayward, Hugh Dickson, and Mrs. R. G. Sharman-Crawford                                                                                                                                                                                                                                                                                                                                                  | 2.25   | 16.00   |

### HYBRID TEAS

|                                                                                                                                                                               |      |       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|
| White Killarney                                                                                                                                                               | 3.50 | 25.00 |
| Killarney (pink), Gruss an Teplitz, La France, Maman Cochet, White Maman Cochet, Lady Mary Fitzwilliam, Hermosa, Etoile de France, Mme. Abel Chateau, Mme. Jules Grolez, etc. | 2.50 | 18.00 |

### CLIMBING

|                                     |      |       |
|-------------------------------------|------|-------|
| Tausendschon and Lady Gay           | 3.00 | 20.00 |
| Dorothy Perkins and Crimson Rambler | 2.25 | 15.00 |

**F. R. PIERSON CO.,** Tarrytown-on-Hudson, N. Y.



## Pink Climbing Rose— Dorothy Perkins

Without doubt the most valuable of all the new Climbing Roses of comparatively recent introduction. The beauty of the double pink flowers is admirably set off by the rich green foliage, which is free from the attacks of insects.

In addition to this charming kind, we have all the popular varieties in climbing and bush Roses. Our General Catalogue, which will be mailed on request, contains descriptions of all the best Roses —also

Fruit and Ornamental Trees, Shrubs and Hardy Plants.

**ELLWANGER & BARRY,**  
Mount Hope Nurseries. Rochester, N. Y.

**Send Advs. Early for Best Service.**





DELPHINIUM BELLADONA.

# Dreer's Hardy Delphiniums

**Belladonna.** The freest flowering of all the Delphiniums and the most valuable for cutting. Its beautiful turquoise-blue flowers appeal to all who see it. Plant these early and you will have a continuous display of bloom from June until freezing weather. We offer an exceptionally fine lot of extra heavy one-year-old plants, \$2.00 per dozen; \$15.00 per 100; \$125.00 per 1000.

**Dreer's Gold Medal Hybrids.** Unquestionably the finest strain of mixed hybrids ever brought together, being seedlings of one of the best named collections and containing some wonderful varieties. Strong one-year old plants, \$1.25 per dozen; \$8.00 per 100; \$75.00 per 1000.

**Formosum.** A splendid strain of this popular favorite dark blue variety, 85 cents per dozen; \$6.00 per 100; \$50.00 per 100.

**Chinese Blue and White.** 75 cents per dozen; \$5.00 per 100.

## CHOICE NAMED HYBRID VARIETIES.

**Alfred Henderson.** Bold, massive spikes of semi-double rosy-lavender flowers, 2 inches across, white eye, 20 cents each; \$2.00 per dozen; \$15.00 per 100.

**Beatrice Kelway.** Deep, rich blue with a conspicuous yellow eye, flowers 2 inches across and perfectly arranged, 20 cents each; \$2.00 per dozen; \$15.00 per 100.

**Cerberus.** Sapphire with black brown centre, a handsome spike, 35 cents each; \$3.50 per doz.

**Chinese Cineraria.** (Spurless Hardy Larkspur.) The large flowers without a spur, strikingly resembles a fine rich sky-blue Cineraria, 20 cents each; \$2.00 per dozen; \$15.00 per 100.

**Duke of Connaught.** Rich, Oxford blue with distinct bold white eye; fine large flowers, 25 cents each; \$2.50 per dozen; \$20.00 per 100.

**J. C. Jenkins.** Very large, semi-double bright mauve edged with royal blue and white eye, 25 cents each; \$2.50 per dozen; \$20.00 per 100.

**King of Delphiniums.** Most vigorous growing, immense size, semi-double rich deep blue with large white eye, 25 cents each; \$2.50 per dozen; \$20.00 per 100.

**Lizzie.** Lovely azure-blue flowers, 2 inches across, bold, creamy-yellow eye, arranged in bold massive stems, 25 cents each; \$2.50 per dozen; \$20.00 per 100.

**Lemartin.** Similar in growth and habit to Belladonna, but with rich Gentian-blue flowers with white center, 25 cents each; \$2.50 per dozen; \$20.00 per 100.

**Mrs. Creighton.** Semi-double, outer petals deep sky-blue, center rich plum with black eye, 25 cents each; \$2.50 per dozen; \$20.00 per 100.

**Persimmon.** Comparatively new; beautiful delicate turquoise-blue, 50 cents each; \$5.00 per dozen.

**White Seedlings.** These have been carefully selected and will be found desirable in any collection, 30 cents each; \$3.00 per dozen.

For the most complete list of Hardy Perennial Plants offered in America see our current Wholesale List.

## Henry A. Dreer, Inc.

714 Chestnut St., PHILADELPHIA, PA.

The above prices are intended for the trade only.

### Washington.

#### TRADE A LITTLE SLOW.

We are experiencing ideal weather, and outdoor flowers such as lilac, and other flowering shrubs are being brought to the city by the wagon load. These flowers are always very useful and effective in house and church decorations, but for some unknown reason this sort of work has been rather scarce during the past few weeks. Excepting funeral work, business has been rather slow, causing a glut of stock, and a noticeable decrease in prices. American Beauty roses sold from \$2 to \$6 per dozen, carnations 50 cents per dozen and roses from 75 cents to \$2 per dozen. Those who had orders for violets had a hard time filling them, owing to the scarcity.

#### NOTES.

F. H. Kramer's show window is filled with various kinds of bulbs, which he is selling at prices within reach of all. One of his Easter specialties was Easter lilies at \$1.50 per dozen.

The attractive windows of the Washington Florist Co. are much talked of; the firm has always a good amount of fine stock and reports fair business at both stores.

J. D. Blackstone's Saturday specials keep his staff hustling from early till late, and he disposes of a goodly number of carnations in this way.

J. H. Freeman, as usual, has a superb stock of home grown plants and cut flowers; he reports fair business. Gude Bros. Co. is handling an excellent supply of home-grown Beauties and other seasonable stock.

Geo. C. Shaffer reports fair business; his electric auto delivery has proven a success.

## A ROSE FOR EVERY GREENHOUSE GRAFTED ROSES

White Killarney, My Maryland, Pink Killarney, Richmond.

Bride, Bridesmaid, Golden Gate, La France, Kaiserin.

Rose pots ..... \$15.00 per 100  
3½-inch pots ..... 18.00 per 100

Rose pots ..... \$10.00 per 100  
3½-inch pots ..... 15.00 per 100

## OWN ROOT ROSES

White Killarney, My Maryland, Richmond, Pink Killarney, American Beauty.

Bride, Bridesmaids, Perle, Sunrise, Golden Gate, Chatsenay, Kaiserin.

3-inch pots ..... \$9.00 per 100  
4-inch pots ..... 12.00 per 100

3-inch pots ..... \$7.00 per 100  
4-inch pots ..... 10.00 per 100

We will have large quantities of White Killarney and American Beauty Rose plants of the best quality for spring delivery. Verbena and Coleus Cuttings and Plants ready for shipment.

—Send for Circulars—

J. L. DILLON,

Bloomsburg, Pa.

## Bench Plants

American Beauty ..... 100 1000  
Richmond ..... \$7.00 \$65.00  
4.00 35.00

GEORGE REINBERG

51 Wabash Avenue, CHICAGO.

Visitors: Messrs. Jones and Rigby, both of Pennock, Meehan Co.; I. Rosnosky, of Michel's; Sidney Bayersdorfer, all from Philadelphia.

G. S.

MEXICO CITY, MEX.—The annual "battle of flowers" will take place here May 8.

SHENANDOAH, PA.—Walter G. Payne has built a new greenhouse containing about 2,000 square feet of glass as an addition to his plant at Girardville.

## Moonvines.

Ipomaea Multiflora, best white Moonvine, for which we have a world wide reputation, now ready, 2 1-2-inch pots \$5.00 per 100.

GODFREY ASCHMANN,

1012 West Ontario St.

PHILADELPHIA, PA.



# Vaughan's Special Offer

## BOSTON FERNS

|                                                                            | Each            | Doz.            | 100     |
|----------------------------------------------------------------------------|-----------------|-----------------|---------|
| 6-in. pots .....                                                           | \$ 75           | \$3 00          | \$60 00 |
| 7-in. pots .....                                                           | 1 00            | 10 00           | 75 00   |
| 8-in. pots .....                                                           | 1 25            | 14 00           | 100 00  |
|                                                                            | Per 100         | 1000            |         |
| Asp. Sprengeri, 2 1/2 in. ....                                             | \$ 3 00         | \$25 00         |         |
| " 3 in. ....                                                               | 5 00            | 45 00           |         |
| " 4 in. ....                                                               | 10 00           |                 |         |
| Aucuba, Japonica variegated. ....                                          | Each            | Doz.            |         |
| 18 in. high .....                                                          | \$ 55           | \$5 00          |         |
| 24 to 30-in. high .....                                                    | 1 50            | 15 00           |         |
| Aucuba, Japonica type. ....                                                |                 |                 |         |
| 18-in. high .....                                                          | 1 00            | 10 00           |         |
| Crimson Ramblers, 2 years old, 2 to 3 feet, well branched, own roots. .... | \$2.00 per doz. | \$15.00 per 100 |         |
| " 2 years old, 2 to 3 feet, well branched, budded. ....                    | 2.00 per doz.   | 15.00 per 100   |         |
| " 3 years old, 3 to 5 feet, well branched, budded. ....                    | 3.00 per doz.   | 18.00 per 100   |         |
| " 4-inch pots. ....                                                        |                 | 10.00 per 100   |         |

|                                                       | Per doz.        | Per 100         |
|-------------------------------------------------------|-----------------|-----------------|
| Tausendschon, 2-yr. old, dormant grafted plants ..... | \$3.50          | \$25.00         |
| Crimson Baby Ramblers, 3-years budded. ....           | \$2.50 per doz. | \$16.00 per 100 |

## CROTONS

| We offer a choice collection of fancy sorts, well colored. |          |         |         |
|------------------------------------------------------------|----------|---------|---------|
|                                                            | Each     | Doz.    | 100     |
| 3-in. pots .....                                           | \$0 20   | \$2 00  |         |
| 4-in. pots .....                                           | 35       | 3 50    |         |
| 5-in. pots .....                                           | 50       | 6 00    |         |
| 6-in. pots .....                                           | 1 00     | 10 00   |         |
|                                                            | Each     | Doz.    | 100     |
| Azalea Mollis, 15 to 20 buds. ....                         | \$0 50   | \$5 00  | \$40 00 |
| 40 to 50 buds. ....                                        | 1 00     | 10 00   |         |
|                                                            | Doz.     | 100     |         |
| Bush Box Trees, 15-18 in. high. ....                       | \$4 00   |         |         |
| 20-24 in. high. ....                                       | 8 00     |         |         |
| Ampelopsis Velutina, 2 yr. ....                            | 1 75     | \$12 00 |         |
| 3-yr. ....                                                 | 2 00     | 15 00   |         |
|                                                            | Per doz. | Per 100 |         |
| Lady Gay, 2-yr. old, dormant stock. ....                   | \$3.00   | \$20.00 |         |

## Deutzia

|                                 | Each   | Doz.   | 100     |
|---------------------------------|--------|--------|---------|
| Lemoinei, 7-in. ....            | \$0 25 | \$2 50 | \$20 00 |
| Clematis Paniculata, 2-yr. .... | 1 50   | 10 00  | 90 00   |
| " 3-yr. ....                    | 2 00   | 15 00  |         |
| " 4-yr. ....                    | 3 60   | 25 00  |         |

|                                       | Each   | Doz. | 100 |
|---------------------------------------|--------|------|-----|
| Aralia Elegantisima, fine stock. .... |        |      |     |
| 5-inch .....                          | \$1 00 |      |     |
| 6-inch .....                          | 1 50   |      |     |

## ROSES

|                        | Per doz.       | Per 100 |
|------------------------|----------------|---------|
| American Beauty .....  | budded. \$2 00 | \$15 00 |
| Gen. Jack .....        | " 1 75         | 14 00   |
| Mrs. John Laing .....  | " 1 75         | 14 00   |
| Paul Neyron .....      | " 2 00         | 15 00   |
| John Hopper .....      | " 1 75         | 14 00   |
| Fisher Holmes .....    | " 1 75         | 14 00   |
| Gen Washington .....   | " 2 00         | 15 00   |
| Gruss an Teplitz ..... | " 2 00         | 15 00   |
| Magna Charta .....     | 1 75           | 14 00   |

## Hardy Perennial Plants

|                                     | Doz.   | 100    |
|-------------------------------------|--------|--------|
| Achillea Eupatorium .....           | \$1 00 | \$7 00 |
| Anchusa Angustifolia .....          | 75     | 5 00   |
| Aquilegia Chrysantha in var. ....   | 85     | 6 00   |
| Arabis Alpina .....                 | 85     | 6 00   |
| Fl. Pl. ....                        | 85     | 6 00   |
| Aster Preziosa .....                | 1 20   | 8 00   |
| Cardifolius .....                   | 1 00   | 7 00   |
| Laevifolius .....                   | 1 50   | 10 00  |
| Novae Belgiae Glory de Nancy .....  | 1 00   |        |
| Ryecroft Pink .....                 | 1 50   |        |
| St. Egwin .....                     | 2 00   |        |
| White Dwarf Queen .....             | 1 00   | 7 00   |
| Baptisia Australis .....            | 85     | 6 00   |
| Bocconia Cordata .....              | 85     | 6 00   |
| Boltonia Asteroides .....           | 75     | 5 00   |
| Campanula Medium Calycanthema ..... | 1 00   | 7 00   |
| " Single Mixed. ....                | 1 00   | 7 00   |
| " Double Mixed. ....                | 1 00   | 7 00   |
| " Single White. ....                | 1 00   | 7 00   |
| Chelone Lyoni .....                 | 1 25   | 8 00   |
| Coreopsis Lanceolata .....          | 75     | 5 00   |
| Rosea .....                         | 85     | 6 00   |
| Daisy Shasta, California. ....      | 85     | 6 00   |
| Westralia .....                     | 85     | 6 00   |
| Delphinium Chinense .....           | 75     | 5 00   |
| Album .....                         | 75     | 5 00   |
| " Kelway's Hybrids .....            | 85     | 6 00   |
| Dianthus Abbotsford .....           | 1 25   |        |
| Plumarius Cyclops .....             | 85     | 6 00   |
| Latifolius Coccineus pl. ....       | 1 00   | 7 00   |
| Plumarius double .....              | 85     | 6 00   |

|                                       | Doz.   | 100    |
|---------------------------------------|--------|--------|
| Dianthus Perfection .....             | \$1 25 |        |
| " Her Majesty .....                   | 85     | \$6 00 |
| " Semperflorens .....                 | 85     | 6 00   |
| Digitalls Gloxiniaeflora, mixed. .... | 1 00   | 7 00   |
| Maculata Ivoryana, spotted. ....      | 1 00   | 7 00   |
| Echinacea Purpurea .....              | 85     | 6 00   |
| Erianthus Ravennae .....              | 85     | 6 00   |
| Eupatorium Frazeri .....              | 85     | 6 00   |
| Festuca Glaucia .....                 | 85     | 6 00   |
| Funkia Lancifolia .....               | 75     | 5 00   |
| Gypsophila Paniculata fl. pl. ....    |        |        |
| double white .....                    | 1 00   | 8 00   |
| Helenium Autumnale superbum. ....     | 85     | 6 00   |
| Rubrum .....                          | 1 00   | 8 00   |
| Hellanthus Multiflorus Max .....      | 85     | 6 00   |
| Sparifolius .....                     | 85     | 6 00   |
| Heliopsis Pitcherianus .....          | 65     | 4 00   |
| Hemerocallis Dumortieri .....         | 85     | 6 00   |
| Flava .....                           | 85     | 6 00   |
| " Kwanso fl. pl. ....                 | 85     | 6 00   |
| Hibiscus Crimson Eve .....            | 60     | 4 00   |
| Moscheutos .....                      | 60     | 4 00   |
| Inula Ensifolia .....                 | 85     | 6 00   |
| Iris Pallida Dalmatica .....          | 1 50   | 10 00  |
| Mixed German .....                    | 60     | 4 00   |
| Lathyrus Latifolius Albus .....       | 1 00   | 7 00   |
| Rubra, red. ....                      | 1 00   | 7 00   |
| Pink Beauty .....                     | 1 00   | 7 00   |
| Lavender .....                        | 1 00   | 7 00   |
| Linum Perenne .....                   | 85     | 6 00   |
| Lobelia Cardinalis .....              | 1 00   | 7 00   |

|                                         | Doz.  | 100    |
|-----------------------------------------|-------|--------|
| Lychnis Viscaria .....                  | \$ 85 | \$6 00 |
| Lysimachia Barystachis .....            | 1 00  | 8 00   |
| Mint .....                              | 60    | 4 00   |
| Monarda Didyma .....                    | 1 00  | 7 00   |
| Myosotis Palustris Semperflorens. ....  | 60    | 4 00   |
| Phalaris Arundinacea var. ....          | 75    | 5 00   |
| Phlox, mixed, 3 and 4 year clumps. .... | 1 00  | 6 00   |
| Physostegia Virginica .....             | 85    | 6 00   |
| Platycodon Grandiflora .....            | 85    | 6 00   |
| " Mariess .....                         | 85    | 6 00   |
| " Alba .....                            | 1 00  | 7 00   |
| Primula Veris Grandiflora .....         | 1 00  | 7 00   |
| Pyrethrum Uliginosum .....              | 75    | 5 00   |
| Rudbeckia Golden Glow .....             | 85    | 6 00   |
| " Golden Ray .....                      | 85    | 6 00   |
| " Newmani .....                         | 1 00  | 7 00   |
| " Nitida .....                          | 1 00  | 7 00   |
| Sidalcea Rosy Gem .....                 | 1 00  | 7 00   |
| Statice Latifolia .....                 | 1 00  | 7 00   |
| Solidago Virgaurea Nana .....           | 1 00  | 7 00   |
| Sweet William, Single mixed. ....       | 85    | 6 00   |
| " Double mixed. ....                    | 85    | 6 00   |
| " Red, double .....                     | 1 00  | 7 00   |
| " White .....                           | 1 00  | 7 00   |
| Tarragon True German .....              | 85    | 6 00   |
| Thalictrum Flavum .....                 | 1 00  | 7 00   |
| Tradescantia Virginica .....            | 85    | 6 00   |
| Tritoma Pfitzeri .....                  | 1 00  | 7 00   |
| Tunica Saxifraga .....                  | 1 00  | 7 00   |
| Vinca Minor .....                       | 75    | 5 00   |
| Yucca Filamentosa, 3 in. pots. ....     | 75    | 5 00   |

SPRING "BOOK FOR FLORISTS!" ASK FOR IT.

## VAUGHAN'S SEED STORE,

NEW YORK.

All Plants f. o. b. Western Springs, Ill.

CHICAGO.

### Baltimore.

#### TRADE ONLY FAIR.

Business last week was by no means up to the hopes of the trade. There were some weddings, a good many minor social affairs, the never lapsing funeral demand and the requirements of condolence, sympathy and hope which the hospitals always present, but there is not really much active movement. There is too much suspicion of treachery in the weather for much outdoor gardening, and the nurserymen have had so short and unpropitious a planting season that they are not jubilant. The markets are floral bowers; never were there more abundant or more varied supplies than are to be seen on the stalls of the dealers, and from appearances the quantity disposed of is about normal at this date.

#### NOTES.

In the Lexington market ensemble are this spring missed the familiar forms and faces of Joseph H. Brownell and John Donn. The former has given up his greenhouse business and devotes himself to other lines of horticultural activity; the latter is reported to be quite sick. Both of these men belong to the older generation and are

known to thousands of the frequenters of the market; both of them when called upon for advice and suggestions as to planting, treatment in health and diseases of plants of every sort are always accommodating and painstaking in giving counsel to the anxious inquirers whose interest in plant cultivation ebbs and flows with the season.

The question of street selling of flowers has been much agitated for the past week, and there have been various arrests, releases, fresh arrests, etc. It seems that there has been no authoritative settlement of the matter, but the vendors are now required to take a license from the city, to obtain consent from the occupants of the property in front of which they station themselves, and they are not to erect stands or place heavy boxes in the street. They may use baskets or trays, but no permanent structures which will interfere with free use of the thoroughfares. In other words, so long as they conduct themselves peaceably and orderly there is no violation of law, and the nagging by the police is superfluous and unwarranted. There was talk of making a test case, but there seems no ground or necessity even for this, and nothing really to test.

## Cannas

King Humbert. Alphonse Bouvier.  
Chas. Henderson. Mlle. Berat.  
Ex. Crampbell. Florence Vaughan.  
Mad. Crozy. Souv. de Antoine Crozy.  
Write for special prices, stating quantity wanted.

#### FRESH TOBACCO STEMS.

Bale of 300 lbs., \$1.75; ton \$9.00.

**W. C. BECKERT, Seedsman,**  
103 Federal St., N.S., PITTSBURG, PA.  
Mention the American Florist when writing

John Cook and Mrs. Cook reached home several days ago from their winter's stay in semi-tropical climes. Both are improved in health, have gained handsomely in avoirdupois and are glad to be home again. Mr. Cook has lost his ancient foe, the rheumatic twinges, which made life at times a torture, and has seen many interesting things and places. All their friends are glad to welcome their return.

S. B.



# Geraniums

## ROOTED CUTTINGS

Ricard and S. A. Nutt, ready April 20th.  
at \$10.00 per 1000.

## SPRENGERI

Extra fine, ready for 4-inch pots, first size, \$5.00  
per 100; second, \$3.50 per 100. Samples for 10c.

## PLUMOSUS

Good stock from rose pots at \$25.00 per 1000.  
Sample for 10c.

ALBERT M. HERR, Lancaster, Pa.

## Vinca Variegata...

R. C. 90c; \$8.00 per 1000. Extra fine.

Abutilons, 3 kinds, 2-inch, 2½c. Geraniums,  
Double Grant, 2-in. 2c. Ageratum, 3 kinds, \$1.50  
per 100. Swainsonia alba, 2-in. 2c. Heliotrope,  
Yellow Daisies, 2-in. 2c. Feverfew, double white,  
small plants, 75c; \$6.00 per 1000.

Rooted Cuttings, prepaid per 100. Heliotrope,  
\$1.00; Fuchsia, 8 kinds, \$1.00; Paris Daisy, yellow,  
white, \$1.00; Cuphea, 75c. Vinca Variegata, 90c;  
Coleus, 10 kinds 60c; Alternanthera, 3 kinds, 50c;  
Ageratum, 3 kinds 60c; Swainsonia alba, \$1.00;  
Dbl. Petunias, 10 kinds, \$1.00.

Cash with order.

BYER BROS., Chambersburg, Pa.

St. Louis.

MUCH STOCK AND LOW PRICES.

The weather the past week has been clear and springlike. Stock has been coming in heavily. Outdoor lilac has been coming from the country. Carnations are plentiful, but they don't keep. Signs are about the downtown district, "Carnations 15 cents per dozen." Easter prices were exorbitant and now the stock is slaughtered. Roses are plentiful; everything, in fact, is away over demand. The plant men are busy and expect to begin planting earlier than usual.

### NOTES.

The death of Mrs. Vesey, of Fort Wayne, Ind., is much to be regretted. Mrs. Vesey had many friends here and was the guest of Miss Tillie Meinhardt whenever she visited this city. She was well known, always identified with our exhibitions, always pleasant and ready to give information to all inquirers. Miss Tillie Meinhardt left Saturday for Fort Wayne to be present at the funeral and many floral tributes were sent from this city.

The Florists' Retail Association held its meeting last Monday evening. The weather was inclement and hurt the attendance. The association is doing good work. The members are unanimous in condemning wholesalers who engage in retail work. They should go after the crepe-pullers, especially those who, in order to get orders, give the names of representative florists and claim they are working for them.

The preliminary premium list for the fall exhibition of the Horticultural Society is out and copies may be had on application to Otto G. Koenig, secretary, 6473 Florissant avenue. The show will be held at the Coliseum, November 8-12.

The Florists' Club will hold its meeting next Thursday. The club bulletin will make its debut and growers will be invited to make known their needs. This is purely local.

The Riessen Floral Co. is very busy with floral work, one of last week's orders being a bunch of 100 long-stemmed American Beauty roses for a theater party.

The tulip beds at the city hall and in the public parks are now in their glory. The park department deserves great credit for its work and designs.

# Florists' 'Mums

## EARLY

|                                       | From Pots. | Rooted Cuttings. |
|---------------------------------------|------------|------------------|
|                                       | 100        | 1000             |
| Cremo—Pacific Sport yellow.....       | \$3 00     | \$2 50           |
| Gloria (New)—Enchantress Pink.....    | 4 00       | \$30 00          |
| Golden Glow—Earliest yellow.....      | 3 00       | 25 00            |
| Indiana (New)—A white Appleton.....   | 6 00       | 4 00             |
| Ivory—Dwarf white.....                | 3 00       | 25 00            |
| Monrovia—Bright yellow.....           | 3 00       | 25 00            |
| October Frost—Best early white.....   | 3 00       | 25 00            |
| Pacific Supreme—Improved Pacific..... | 3 00       | 25 00            |
| Roserie—Dark pink.....                | 3 00       | 25 00            |

## MIDSEASON

|                                              |      |       |      |       |
|----------------------------------------------|------|-------|------|-------|
| Col. D. Appleton—Incurved yellow.....        | 3 00 | 25 00 | 2 00 | 15 00 |
| Crocus—Light yellow.....                     | 3 00 | 25 00 | 2 00 | 15 00 |
| Dolly Dimple (New)—Fine yellow.....          | 6 00 |       | 4 00 |       |
| Mrs. W. E. Kelley—Late midseason yellow..... | 6 00 | 50 00 | 5 00 | 40 00 |
| Major Bonnaffon—Incurved yellow.....         | 3 00 | 25 00 | 2 00 | 15 00 |
| Pres. Roosevelt—Incurved light pink.....     | 4 00 | 35 00 | 3 00 | 25 00 |
| Vivian Morel—Dark pink.....                  | 3 00 |       | 2 50 |       |

## LATE

|                                          |      |       |      |       |
|------------------------------------------|------|-------|------|-------|
| Golden Eagle—Incurved bright yellow..... | 4 00 | 30 00 | 3 00 | 25 00 |
| Mlle. Jeanne Nonin—Incurved white.....   | 3 00 | 25 00 | 2 00 | 15 00 |

Also a fine line in Exhibition, Pompons and Singles.

ELMER D. SMITH & CO., Adrian, Mich.

# American Beauty

## BENCH PLANTS

Fine plants for out-door planting or replanting in the benches, cut back to about 18-inches; per 100, \$5.00.

KAISERIN 2-inch pots, propagated last fall.  
Now ready to plant in the benches,

\$4.00 per 100, or \$35.00 per 1000.

Bassett & Washburn,

Office and Store,  
76 Wabash Ave., CHICAGO  
Greenhouses, Hinsdale, Ill.

## FUCHSIAS

There are none better than Little Beauty, Lord Byron, Renan and White Beauty. Strong 2½ inch plants ready \$4.00 per 100 New Heliotrope, Miss Bernice a sport of Mme. Brunt and a great improvement on the latter 2½-inch \$8.00 per 100.



Katalog for the Asking.  
SKIDLEY & IRWIN CO.,  
1215 Betz Bldg.,  
PHILADELPHIA, PA.

There will be quite an increase in greenhouse building this summer in Kirkwood, many of the growers planning to enlarge their plants.

A. A. Buesch is now the Grand Avenue Florists' manager. W. F.

Richmond, Ind.

The E. G. Hill Co. is busy with orders day and night, including Sundays, and has at work all the men and women that can be crowded into the packing sheds. This firm shipped three carloads of young roses last week.

Fred H. Lemon & Co.'s business has attained such proportions that they are compelled to vacate the present quarters in the Westcott hotel for much more attractive and commodious premises across the street.

WOODLAND, CALIF.—A floral festival will be held here April 23 and a large attendance is expected.

## A New Fern NEPHROLEPIS GIATRASHI

Awarded a Certificate of  
Merit by the Horticultural  
Society of New York.

Prices: In 2½-inch pots, \$3.50 per dozen; \$25.00 per 100; \$200.00 per 1000. 25 plants at 100 rates; 500 plants at 1000 rates. Orders delivered in rotation as received. Now Ready for delivery,

GEORGE GIATRASHI,  
463 Summit Ave., West Hoboken, N. J.

## SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums  
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL,  
New York.

## Flower Colors

Use our COLOR CHART in describing them.  
PRICE, \$1.00 POSTPAID.

American Florist Co.,  
324 Dearborn St., CHICAGO, ILL.









## Cacti and Mexican Resurrection Plants

We are in the heart of the cactus country, and furnish the healthiest open-grown stock, over 100 varieties, to the foreign and domestic trade. 25-page illustrated catalogue of Cacti free.

**Mexican Resurrection Plants.** We are strictly headquarters for this plant and ship all over the world.

Good-sized dormant plants, guaranteed to "resurrect." 1000.10.00; 5,000 at \$8.50; 10,000 at \$8.00.

**THE FRANCIS E. FLESTER COMPANY,**  
Dept. LS2. Messia Park, N. M.

Rochester, N. Y.

Hiram E. Wilson established his present business on Hudson avenue, on the north side of the city, 28 years ago by erecting an even span greenhouse, 20x60 feet, with stone walls five feet high; the panes of glass 8x10, and the ridge board, nine feet above the ground. This house is still in good condition. The present glass area is about 60,000 feet. The last houses were built about seven years since, and were put up by Lord & Burnham. They are 30 feet wide, and one section is 165 feet long, and the other 450 feet long. They are even span, iron frames; the panes 16x24 inches. All of the newer greenhouses, and about half of the older section are heated by three immense Burnham low pressure steam boilers. Perhaps more roses are grown by this firm than any other establishment in the vicinity. This is not considered a good locality for the winter growing of roses, as it is in a belt where the winter conditions are inclined to be somewhat cloudy, and great skill and watchfulness are consequently necessary for success in rose growing. A house, 30x165 feet, is devoted to roses, and two sections, each 30x125 feet, are also entirely occupied by roses. Bride and Bridesmaid are the varieties mainly grown. Hiram W. Wilson says they will probably start to grow Killarney and White Killarney in quantity now, as there appears to be a growing demand for them, but he thought for general decorative work Bridesmaid was better than Killarney, and as a paying proposition was superior to it. A section of a bench was filled with My Maryland, and it was in fine health. Mr. Wilson at the present time does not think it shows superiority over Bridesmaid or Killarney. One objection was the strong growths so thickly covered with the fierce spines. For convenience of summer supply they allow a considerable number to remain in the benches two seasons, but generally Mr. Wilson thought one year was sufficient for roses in the benches. Although they grow a large quantity of roses, they have to buy a large number for their retail custom.

The palm house is 30x100 feet. Kentia Forsteriana is the principal palm grown, and no other palm sells so well. Mr. Wilson thinks that Phoenix Roebelini is going to be a good palm for commercial use in the future, as it seems to have a fine constitution and is easily kept in good condition. About 8,000 carnations, Beacon, Enchantress, White Enchantress and White Perfection, are grown. They also grow from 8,000 to 10,000 chrysanthemums. As so much space is given to roses, they cannot grow as many chrysanthemums as some other establishments in this vicinity. An immense quantity of bedding plants, such as geraniums, cannas, ageratum, coleuses, alternantheras, lobelias, santolinas, heliotropes, salvias, and the like, are grown. Hiram E. Wilson does not take much active interest in the business now. The oldest son, Hiram W. Wilson, takes full charge of the green-

# Carnations

**ROOTED CUTTINGS**

|                                           | Per 100 | Per 1000 |
|-------------------------------------------|---------|----------|
| Mrs. C. W. Ward                           | \$12 00 | \$100 00 |
| Alma Ward                                 | 15 00   | 125 00   |
| Mrs. J. C. Vaughan, Bay State and Georgia | 6 00    | 50 00    |
| Robert Craig, Afterglow and Enchantress   | 3 50    | 30 00    |

**New Crop Early Flowering Single Chrysanthemum Seed**

**and Gold Medal Pentstemons**

at 25c and \$1.00 per package

**CHARLES H. TOTTY, Madison, N. J.**

## Ferns for Dishes...

Assorted varieties, 2 1/4-in. pots, \$3.50 per 100;  
\$30.00 per 1000. Cash with order.

**FRANK OECHSLIN**

4911 Quincy St.

CHICAGO.

## List of 200 Roses

Bumper crops for spring delivery.

**THE LEEDLE FLORAL COMPANY**  
SPRINGFIELD-OHIO.

## Rooted Cuttings

|                | Per 100 | 1000   |               | Per 100 | 1000    |
|----------------|---------|--------|---------------|---------|---------|
| Heliotropes    | \$1.00  | \$8.00 | Petunias      | \$.125  | \$10.00 |
| Daisies, white |         |        | Salvias       | 1.00    | 8.00    |
| and yellow     | 1.00    |        | Alyssum, dbl. | .80     |         |
| Coleus         | .70     | 6.00   | Ageratums     | .60     | 5.00    |

Express paid on rooted cuttings.

**S. D. BRANT,**

Clay Center, Kans.

houses and plant growing, and the two younger sons, Edwin P. and Ranford W. Wilson, take charge of the retail business on Main street. Mr. Wilson's sons are hard workers, and pay close attention to business, and are well known for their high integrity.

JOHN DUNBAR.

Pittsburg.

Summer conditions are fast forcing themselves upon us. Carnations, while yet good, are beginning to show here and there the effects of early summer. Indoor peas arrive in an almost worthless condition, although some that were planted late are producing fine flowers. Violets are a thing of the past. Roses are still magnificent and quantity can be compared to quality to fullest extent. American Beauties are exceptionally plentiful and buyers make their own figures. Spanish iris is moving freely, all colors arriving in quantity. Outdoor tulips and daffodils, although quite short in stem, are very plentiful; in fact, all outdoor plant life is making big strides forward. A sharp frost made many uneasy, especially regarding the fruit blooms, but it seems to have had no effect.

NOTES.

One often hears of strange things that green clerks do and I think the following is a good one: One of our florists had some white roses left over from Easter, and on the following Tuesday had a little cheap bunch to make of these flowers. The clerk used fresh stock, and on being questioned by the proprietor as to why he did not get rid of the old stock, replied: "Why you paid 10 cents for them and six cents for these, and I can't get the value out of the 10-cent ones in this bunch."

## ROSES

We have the following young roses to offer:

|                        |                  |
|------------------------|------------------|
| 1500 American Beauties | 800 Cardinal     |
| 2500 Richmonds         | 600 Chateaux     |
| 9500 Brides            | 200 Wootton      |
| 6500 Maids             | 1250 Golden Gate |
| 1250 Uncle John        | 1000 Killarney   |
| 1000 Kaiserin          | 350 Maryland     |
| 500 La France          | 500 Perle        |
| 900 Ivory              | 200 Palmer       |

|                                                   |                                              |
|---------------------------------------------------|----------------------------------------------|
| 10,000 Asters, flats...                           | \$1.50 per 100; \$12.50 per 1000             |
| 2-in....                                          | 2.50 per 100; 20.00 per 1000                 |
| 20,000 Coleus, R.C....                            | .60 per 100; 5.00 per 1000                   |
| 2-in....                                          | 2.50 per 100; 20.00 per 1000                 |
| 5,000 Cannas                                      | 3 in., \$.50; 4-in., \$.80                   |
| 1,500 King Humberts                               | 3 in., 8.00; 4 in., 12.50                    |
| 15,000 Geraniums, red, white, pink and salmon...  | 2 1/2-in., \$.35; 3-in., \$.50; 4 in., \$.80 |
| 10,000 Chrysanthemums, 2 1/2 in. ready, also R.C. |                                              |

Ask for our Soft Wooded List.

**Bulb Stock**—Cannas, Caladiums, Tuberous-rooted Begonias Dahlias, etc., etc.

**GEO. A. KUHLE, Wholesale Grower, Pekin, Ill.**

## Pansy Plants

Large stocky plants in bud and bloom, the very best strain at \$1.25 per 100, \$10.00 per 1000; smaller plants \$2.00 per 1000.

**Stocks, Dusty Miller, Verbenas, Phlox, Alyssum, Heliotrope, Ageratums, Mmc. Salleri Geraniums, Asp. Sprengeri and Scarlet Sage, fine plants out of 2 1/2-in. pots, \$2.00 per 100; 300 for \$5.00; \$15.00 per 1000.**

**Cabbage Plants for field, \$1.25 per 1000.**

**J. C. SCHMIDT, Bristol, Pa.**

## Robert Craig Co...

**HIGH CLASS PALMS**

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

Jos. Thomas, Greensburg, who is developing into quite an orchid grower, visited the Bakerstown establishment during the week, where F. Burki is making a start with them.

The Florists' Club met April 4, before a display of Easter plants. There were prizes given on lilies and cinerarias for private gardeners.

J. A. Keeny, formerly mayor of Monongahela City, and now in the greenhouse business in the same place, was a visitor recently.

C. Peterson, East Liverpool, O., who is having trouble with his eyes, is in town having them treated.

Gross & Aldrige is the name of the new firm which has started business at 551 Lorimer avenue.

Very fine American Beauties and sweet peas are seen at the McCallum Co.

W. Q. Potter was away from work for a few days on account of illness.

Walter Breitenstein spent several days in the east. J.



## TRADE LIST

**Ferns**, Boston and Scotti. From 3-in pots, \$5.00 per 100.  
**Punkia**, variegata, strong plants. 4½-in. pots, \$1.00 per dozen.  
**Clematis**, large flowering varieties. 2 year-old plants: Jackmaui, Henryi, Mme. Veillard, \$3.00 per dozen.  
**Clematis**, paniculata, strong plants, \$10.00 per 100; 3-in. pots, \$5.00 per 100.  
**Dracena** Indivisa 4-inch pots, \$10.00 per 100.  
**Geranium**, Mrs. Parker, 3 in. pots \$5.00 per 100.

**Passiflora** coerulea, 3-in. pots \$5.00 per 100.  
**Floridi**, 4-in. pots, \$1.00 per dozen.

**Plants** from 2½-in. pots, \$3.00 per 100; **Achyranthes**, **Lobelia**s, double and single blue; **Parlor Ivy**, **Vinca** variegata; **Moonvine**, the true large flowering white variety; **Ageratum**, blue; **Salvia**, Bonfire, Zurich; **Coleus**, Verschaffeltii, Golden Bedder, Queen Victoria Quadricolor.

**Stock** from 3-in. pots, \$4.00 per 100. **Geraniums**, asst. varieties, single and double; **Geraniums**, Rose and Nutmeg; **Daisies**, white and yellow; **Lantana**, Le Naine; **Feverfew**, The Gem; **Ivy Geraniums**; **Ivy**, Hardy English; **Euonymus**, radicans and Golden Variegated.

**Rooted Cuttings** \$1.00 per 100. **Salvias**, Bonfire and Zurich; **Coleus**, Verschaffeltii, Golden Bedder, Queen Victoria Quadricolor; **Achyranthes**, Linden; **Parlor Ivy**, Carnations, R. C. \$2.00 per 100 from soil, Elbon, best scarlet; **Boston Market**.

**Carnation Napoleon III**. Best hardy ever-blooming, crimson flowers 2½-in. pots, \$3.00 per 100.

**C. EISELE,**

11th and Westmoreland Sts. Philadelphia, Pa.

## GOOD, CLEAN, HEALTHY 2-inch Stock

We have the following in surplus stock, a few thousand to dispose of:

| ROSES               | Per 100 | Per 1000 |
|---------------------|---------|----------|
| Maid and Bride..... | \$3.00  | \$20.00  |
| My Maryland.....    | 5.00    | 40.00    |
| Mrs. Jardine.....   | 4.00    | 35.00    |
| Bench Richmond..... | 4.00    | 30.00    |

**J. A. Budlong,**  
37-39 Randolph Street, CHICAGO.

## Neph. Whitmani

2½-in ..... 5.00 per 100  
**MAGNIFICA** (new), 2½-in.... 25.00 per 100

**Boston Ferns** 2½-in., \$3.00 per 100.

**Henry H. Barrows & Son, Whitman, Mass**

Omaha.

Easter business was the best we ever had, especially in cut flowers. The warm spell of weather during March helped to bring the cut flowers in good shape. Pot plants in bloom suffered somewhat, especially lilies, but the increase in cut flower sales more than made up the loss on lilies. These were not extra good this year on an average. P. B. Floth had the best bunch of lilies in this vicinity. Hess & Swoboda had a fine lot of azaleas, specimen plants, also bougainvilleas and lilacs. A Donaghue had a fine lot of azaleas and lilacs. L. Henderson showed a nice lot of made up boxes which sold well. Peterson Bros. had a general display of pot plants which made a fine impression very nicely arranged. Miss McNamara rented a vacant store during Easter week, which came in very handy and made it more easy to sell her Easter plants.

## Geraniums Coleus

100 1000  
 8 varieties, my selection 2½-in. pots, \$3.00 \$25.00  
**Asp. Sprengeri** seedlings ..... 1 00 7 00  
**Double Petunias**, ..... 3 00  
 10 varieties of **Cannas**, 3½ in. pots. Apr. 1. 4 00

—Cash, No C. O. D.—

10 varieties 2½-in pots. Apr. 1 ..... 100 \$ 2 00  
 400 **Asp. Plumosus**, 2½-in pots ..... 2 00  
**Alternantheras**, red and yellow. Apr. 1. .... 2 00  
**Pansy Plants** small ..... \$2 50 per 100) 50  
**Pansy Plants**, large, Apr. 1 ..... 1 50

**JOS. H. CUNNINGHAM,** Delaware, O.

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Now

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Fresh  
Stock.

**Cattleya Trianae** in perfect condition.  
**Lablata**,  
**Warneri**.

**All Dendrobiums**,  
**Oncidium Varicosum Rogersii**.  
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From 2¼-inch pots \$10.00 per 100.  
 Rooted cuttings, \$8.00 per 100.  
 Unrooted cuttings, \$5.00 per 100.

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 and Hybridists in the World.

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## Orchids



Arrived in fine condition: **Cattleya Warneri**, C. Harrisoniae, C. Gaskelliana and C. Gigas (Hardyana type); also **Dendrobium Phalaenopsis Schroederianum** and **Odontoglossum luteo-purpureum**.

**Lager & Hurrell, Summit, N. J.**

## ASPARAGUS PLUMOSUS

2-year clumps, 15c; 2-inch pots, strong.  
 \$2 25 per 100; \$20.00 per 1000.

**IMPATIENS** in variety, strong, 2-inch, 3c.  
**BRIDESMAID ROSES**, 2-inch pots, 2½c.

**W. W. Coles,** Kokomo, Ind.

## ASPARAGUS, Robustus

3-inch strong, \$5.00 per 100. Per 100  
**Asparagus**, Sprengeri, 3-inch strong.....\$5 00  
**Smilax**, 2½-in. strong ..... 3 00  
**Vinca Var.**, 2½, 3, 4 in. .... \$3 00 \$5 00, 9 00  
**Geraniums**, Heteranthe and J. Doyle, 4-in. .... 7 00  
**Dormant Canna Roots**, Allemania, Penn-  
 sylvania, Kate Gray..... 2 50  
 King Humbert New York..... 5 00

**WEST END GREENHOUSES,**  
**Hans Schmalz, Prop.** Lincoln, Ill.

Bulbous stock was plentiful. Violets were scarce on account of the hot weather, but sweet peas took their place and thousands were sold. The price on Easter lilies was 25 cents per bloom; cut lilies sold for \$3 to \$4 per dozen; carnations sold for \$1 per dozen; roses \$1 to \$2; American

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**Asparagus Sprengeri**, 3-in. \$5.00 per 100  
**Geraniums**, Nutt. Doyle, Perkins, Grant, La Favorite, R. C. \$1.25; 2-in. pots, \$2.00; 3-in., \$4.00 per 100; Viaud, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C. \$1.50; 2-in. pots, \$2.50; 3-in., \$5.00 per 100; Mme. Sallerol, 2-in., \$3.00 per 100  
**Asparagus Plumosus**, 2-in. \$3.00 per 100; 3-in., \$5.00 per 100. Cut fronds 25c per bunch.  
**Boston Ferns**, 5-in 25c each. **Whitman Ferns**, 4 in. 25c each  
**Vinca Var.**, 2-in. \$2.00 per 100.  
**Dracena Ind.**, 3-in., \$5.00; 4-in., \$10.00 per 100.  
**Coleus** and **Alternanthera**, red and yellow: **Verbenas**, **Heliotrope**, **Cigar Plant**, **Scarlet Sage**, Zurich, always in bloom. 2-in., \$2.00 per 100.

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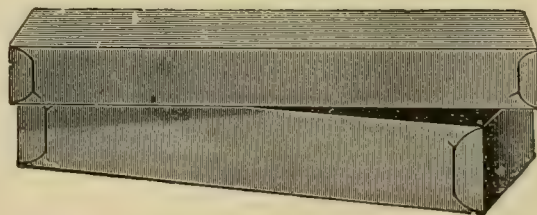
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Palms, Bobbink & Atkins, Rutherford, N. J.

**PANSIES.**

Ready now, 250,000 fine large, fall transplanted pansies in bud and bloom. Superb strain; the finest market strain grown. A trial order will convince you that they are the best you ever had. You need them for your particular trade. Price, \$1.25 per 100; \$10 per 1,000. Cash with order. Leonard Cousins, Jr., Concord Junction, Mass. Telephone 82 Concord.

50,000 field-grown pansy plants. They never saw either a cold or hot bed, strong, husky plants; beautiful blooms. They are the kind that sell and please, \$20 per 1,000. Albert A. Sawyer, Pansy Specialist, Pansy Garden, Oak Park, Ill.

Pansy plants, Kenilworth strain from fall sown seed, prepaid, 50c per 100; large, \$1; 1,000 by express, \$3; large, \$8. Chas. Frost, Kenilworth, N. J.

Pansy plants, 50c per 100; \$2.50 per 1,000; large plants, \$2.50 per 100. Jos. H. Cunningham, Delaware, O.

Pansies, fine strong plants, \$5 per 1,000. Mosbaek Greenhouse Co., Onarga, Ill.

Pansies, \$2 per 1,000. J. C. Schmidt, Bristol, Pa.

**PELARGONIUMS.**

Pelargoniums, novelties, 2½-in., 25c each; \$2.50 per doz. Emanuel Lias, King Haakon, King of Spain, Ladas, Lady Churchill, Prince Olaf. Standard sorts, 2½-in., \$1.50 per doz.; \$10 per 100; 3-in., \$2 per doz.; \$12 per 100; Countess, Dorothy, Goldmine, Mme. Thibaut, Mme. Vibert, Mrs. R. Sandford, Marie Mallet, Princess May, Sandford's Best, Sandford's Wonder, Surprise, Tommy Dodd, Mrs. Loyal, Vaughan's Seed Store, Chicago and New York.

**PENNISETUMS.**

Pennisetum Ruppelianum (fountain grass), 2½-in., \$2.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

**PEONIES.**

Peonies, all vars., Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars., W. & T. Smith Co., Geneva, N. Y.

Peonies only by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

Peonies, a superb collection. Jackson & Perkins Co., Newark, N. Y.

**PEPPERS.**

Celestial peppers, from seed bed, \$1 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

**PETUNIAS.**

Petunias, dbl. mixed, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. Dreer's single, same price. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Petunias, dbl. fringed, 5 good vars., rooted cuttings, 1c. J. L. Schiller, Toledo, O.

Petunias, dbl., \$3 per 100. Joseph H. Cunningham, Delaware, O.

**PRIMULAS.**

Primula obconica, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

**PRIVET.**

50,000 California privet and Ampelopsis Veitchii, field-grown. Benj. Connell, Merchantsville, N. J.

California privet, 6 to 12 ins., \$3 per 1,000; 12 to 18 ins., \$6. Lancaster Co. Nurseries, R. F. D. No. 7, Lancaster, Pa.

California privet, 10 to 15 inches, branched, \$10 per 1,000. Larger sizes at low rates. E. Y. Teas, Centerville, Ind.

**RHODODENDRONS.**

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

**RESURRECTION PLANTS.**

Resurrection Plants.—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis E. Lester Company, Dept. L. S., Mesilla Park, N. M.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It



**ROOTED CUTTINGS.**

Rooted cuttings: Heliotrope, \$1 per 100; \$8 per 1,000; daisies, \$1 per 100; Coleus, 70c per 100; \$6 per 1,000; Feverfew, \$1.75 per 100; \$10 per 1,000; petunias, \$1.25 per 100; \$10 per 1,000; salvia, \$1 per 100; \$3 per 1,000; alyssum, 80c per 100; ageratum, 60c per 100; \$5 per 1,000. S. D. Brant, Clay Center, Kans.

Rooted cuttings, prepaid per 100: Heliotrope, \$1. Fuchsias, 8 kinds, \$1. Parla daisies, \$1. Cuphea, 75c. Vinca var., 90c. Coleus, 10 kinds, 60c. Alternantheras, 3 kinds, 50c. Ageratum, 3 kinds, 60c. Swainsona alba, \$1. Dbl. petunias, 10 kinds, \$1. Byer Bros., Chambersburg, Pa.

Rooted cuttings, for varieties and prices see advertisement elsewhere in this issue. C. Elsel, 11th and Westmoreland Sts., Philadelphia, Pa.

**ROSES.****ROSE PLANTS, 2½-INCH POTS.**

|                 |     |      |
|-----------------|-----|------|
| American Beauty | 100 | 1000 |
| Kaiserin        | 4   | 35   |
| Mrs. Jardine    | 4   | 35   |
| Killarney       | 5   | 45   |
| Bride           | 3   | 25   |
| Bridesmaid      | 3   | 25   |
| Richmond        | 3   | 25   |

**WIETOR BROS.**

51 Wabash Avenue. Chicago.  
Roses, 2-in., Maid and Bride, \$3 per 100; \$20 per 1,000. My Maryland, \$5 per 100; \$40 per 1,000. Mrs. Jardine, \$4 per 100; \$35 per 1,000. Bench Richmond, \$4 per 100; \$30 per 1,000. J. A. Budlong, 37-39 Randolph St., Chicago.

Roses, grafted and own root, Killarney, Richmond, My Maryland, White Killarney, Kaiserin, Bride and Bridesmaid. W. H. Elliott, Brighton, Mass.

Roses, hardy field-grown. For varieties and prices, see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Roses, for varieties and prices, see page advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Roses, Killarney, 2½-in., 4c. Perle, 3-in., 5c. Chateaux, 2½-in., 3c. J. F. Ammann, Edwardsville, Ill.

Roses on own roots, budded, bedding, H. Ps., hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Taft rose, 2½-in., \$15 per 100. J. M. McCullough's Sons Co., 316 Walnut St., Cincinnati, O.

Roses, Bride, Maid, Golden Gate, 3-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

Roses, Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

Roses, Bridesmaid, 2-in., 2½c. W. W. Coles, Kokomo, Ind.

Roses, leading varieties. E. G. Hill Co., Richmond, Ind.

Roses, leading varieties. Leedle Floral Co., Springfield, O.

Rose Dorothy Perkins. Ellwanger & Barry, Rochester, N. Y.

Roses, 3-in., Wood Bros., Fishkill, N. Y.

**SALVIAS.**

Salvia Bonfire, strong, 2-in. plants from seed, ready to shift, \$1.75 per 100; \$17 per 1,000 cash. This is fine stock, must move it to get room. N. E. Beck, Massillon, O.

Salvia Bavaria (the white Zurich), 1910 introduction, nice plants, 2-in., \$1 per doz. J. L. Schiller, Toledo, O.

Salvias, Zurich, Bonfire and Splendens, 2½-in., \$2.50 per 100. Mosback Greenhouse Co., Onarga, Ill.

**SEEDS.**

Seeds, onion, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

HYBRID GERBERAS (Adnet's strain), Crop 1910, \$9 per 1,000 seeds; \$60 per 10,000 seeds, from the originator. Cash. Adnet, Antibes, France.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett E. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, sweet peas, for varieties and prices, see advertisement elsewhere in this issue. Weeber & Don, 114 Chambers St., New York.

Seeds, dwarf Erfurt cauliflower and Danish Ballhead cabbage. L. Daehnfeldt, Odense, Denmark.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hüllster, Calif.

Seeds, Phoenix Roebeleni. Sander, T. Mellstrom, Representative, 235 Broadway, New York.

Seeds, specialties, Stocks, pansies, cyclamens, etc. Pape & Bergmann, Quedlinburg, Germany.

Seeds, Cauliflower Danish Snowball, \$6.50 per lb. Cabbage Danish Ballhead, 50c per lb. Ditlev Eltzholtz & Co., Ringe, Denmark.

Seeds, Stokes' standard. 219 Market St., Philadelphia.

Seed, pansy, 1,000 seeds, 25c; 1 oz., \$2.25. H. Wrede, Luneburg, Germany.

Seeds, sweet peas, Christmas Pink and Denzer, \$2 lb. Chas. H. Totty, Madison, N. J.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds. Landreth Seed Establishment. Bloomsdale Farms, Bristol, Pa.

Seeds, Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Vegetable seeds, plants, sold direct. Catalogue free. Glick Seed Farms, Lancaster, Pa.

Seeds, Bermuda onion. Federico C. Varela, Teneriffe, Canary Islands.

Seed, asters. Vick & Hill, Box 4613, Rochester, N. Y.

Seeds, garden, field and flower. S. D. Woodruff & Sons, 82-84 Dey St., New York.

**Contract Growers.**

Seeds, peas, beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, field, garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, sweet peas. Anton Zvolanek, Boundbrook, N. J.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohmert, Gilroy, Calif.

Seeds, Cauliflower and cabbage. Hjalmar Hartman & Co., 31 Barclay St., New York, and 12 Stormgade, Copenhagen.

Seeds, growers for the wholesale trade only. Braslan Seed Growers' Co., San Jose, Calif.

California seed contracts. Kimberlin Seed Co., Santa Clara, Calif.

**SMILAX.**

Smilax, 2½-in., \$3 per 100. West End Greenhouses, Lincoln, Ill.

Smilax. Wood Bros., Fishkill, N. Y.

**SPIREAS.**

Spirea Japonica, 6-in., 25c each; \$2.50 per doz. Vaughan's Seed Store, Chicago and N. Y.

Spireas. J. Smits, Ltd., Naarden, Holland.

**STEVIA.**

Stevia, R. C., prepaid, 75c per 100. Chas. Frost, Kenilworth, N. J.

**STOVE PLANTS.**

Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

**SWAINSONA.**

Swainsona alba, 2-in., \$2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

**VEGETABLE PLANTS.**

| VEGETABLE PLANTS.      | Per 1,000    |
|------------------------|--------------|
| Cabbage, transplanted  | \$ 3.50      |
| " seedlings            | 1.25         |
| Cauliflower, seedlings | 4.00         |
| " transplanted         | 5.00         |
| Celery, seedlings      | 1.25         |
| " transplanted         | 3.50         |
| Egg plants, seedlings  | 3.00         |
| " pot plants           | 25.00        |
| Peppers, seedlings     | 3.00         |
| " pot plants           | 25.00        |
| Tomatoes, seedlings    | 2.00         |
| " plants, per 100      | 4.00         |
| Mosback Greenhouse Co. | Onarga, Ill. |

Vegetable plants, beet, 20c per 100; \$1.25 per 1,000. Egg plant, 40c per 100; \$2 per 1,000. Pepper, Bull Nose, Sweet Mountain, Ruby King, 40c per 100; \$2 per 1,000; Tomato, small plants, Earliana, Early Jewel, Dwarf Stone, Champion, Ponderosa, Matchless, 30c per 100; \$2 per 1,000. Tomato, small plants, Stone, Paragon, Favorite, Success, 20c per 100; \$1 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Extra heavy asparagus roots, \$1 per 100; \$4 per 1,000. Mosback Greenhouse Co., Onarga, Ill.

**VERBENAS.**

Verbenas, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lemon verbenas, R. C., prepaid, 75c per 100. Chas. Frost, Kenilworth, N. J.

Verbenas, assorted, 2½-in., \$2 per 100. Mosback Greenhouse Co., Onarga, Ill.

Verbenas. J. L. Dillon, Bloomsburg, Pa.

**VINCAS.**

Vinca minor, the hardy vinca for cemetery planting and under trees, where grass will not grow; well rooted layers, \$1.50 per 100; \$10 per 1,000. E. Y. Teas, Centerville, Ind.

Vinca variegated, 2½-in., \$2.50 per 100; 3-in., 6c; 4-in., 12c. Vinca minor, field-grown, \$5 per 100. Mosback Greenhouse Co., Onarga, Ill.

Surplus stock, 500 Vinca Variegated, field-grown and carried over in a cold house in 4-in. pots, \$5 per 100. Joy Floral Co., Nashville, Tenn.

Vinca, 2½, 3 and 4-in., \$3, \$5 and \$9 per 100. West End Greenhouses, Lincoln, Ill.

Vinca var., R. C., prepaid, 75c per 100. Chas. Frost, Kenilworth, N. J.

**VIOLETS.**

VIOLETS, Baronne A. de Rothschild is making good everywhere, as the most free and most fragrant single in cultivation. Size and stem equal to Princess, color a shade darker. Rooted runners or divisions, ready in April. Book your order now, at \$6 per 100; \$50 per 1,000. F. W. Fletcher Co., Auburndale, Mass.

Violets, Princess of Wales and Luxonne and California, rooted runners, clean and free from disease, \$1 per 100; \$8 per 1,000. Special price for large quantities. Cash with order. Jacques Gilmet, Moylan, Delaware Co., Pa.

Violets. Wood Bros., Fishkill, N. Y.

**KNIVES.**

Razor steel, hand forged, postpaid. Propagating, 50c; budding, 35c; grafting, 25c; pruning, 75c. Cat. free. Maher & Grosch Co., 91 A St., Toledo, Ohio.

**MISCELLANEOUS.**

Clara cemetery vases, 12 ins., \$2.50 per doz.; barrel of 3 doz., \$6. Vaughan's Seed Store, Chicago and New York.

Plant bed cloth, waterproof sheeting, hay caps, etc. Henry Derby, 123 F. Chambers St., N. Y.

Pillsbury's Carnation Staple, 50c per 1,000 postpaid. I. L. Pillsbury, Galesburg, Ill.

**POTS, PANS, ETC.**

"NUFF SED." Best red pots are made by Geo. E. Feustel, Fairport, Iowa.

The Red Pot. C. C. Polliworth Co., All roads connect with Milwaukee.

Pots, florist red. Peters & Reed Pottery Co., Zanesville, O.

Pots, Syracuse red. Syracuse Pottery Co., Syracuse, N. Y.

**STAKES.**

Cane Stakes. Standard grade 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000.

Pipe stems about 6 feet, per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

**WIRE DESIGNS.**

Headquarters for wire work. Send for list. F. W. Ball, 31 E. 3rd St., Cincinnati, O.

Best. Cheapest, 150,000 designs always in stock. Quick delivery.

Scranton Florist Supply Co., Scranton, Pa.

**WIRE HANGING BASKETS.**

WIRE HANGING BASKETS.

10-in. \$1.25 per doz. 16-in. \$2.40 per doz.

12-in. 1.75 per doz. 18-in. 4.00 per doz.

14-in. 2.00 per doz.

Scranton Florist Supply Co., Scranton, Pa.

Wire baskets. D. U. Augsburg & Sons Co., Box 778, Peoria, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

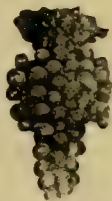


Has stood the test of over a Quarter of a Century.

## THOMSON'S Vine, Plant and Vegetable MANURE

UNRIVALLED  
FOR

Vines  
Tomatoes,  
Cucumbers,  
all Flowering,  
Foliage and  
Fruit bearing  
Plants,  
Vegetables,  
Lawns, etc.



The result of  
many years  
practical  
experience.

**PERFECT  
PLANT FOODS**

Sold by  
Leading  
American  
Seedsmen.

— ALSO —

**Thomson's Special Chrysanthemum  
and Topdressing Manure**

Freight paid on quantities. Write for our  
special offer to the American trade, pamphlets,  
agents' circulars, etc., to **sole makers,**

**WM. THOMSON & SONS, Ltd.,**  
Tweed Vineyard, Clovenfords, Scotland

## Iron Reservoir AND Vases



**Lawn Settees**  
Manufactured by  
**McDONALD  
BROS.,**

**COLUMBUS, O.**  
The largest manu-  
facturers of these  
goods in America  
Send for catalogue

Now is the time to make up

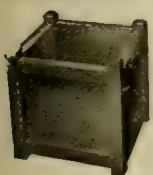
## WIRE BASKETS

For spring selling.  
We Have the Best Basket in the Market.  
Try them this season.

10-in.....\$1.50 per doz.; \$12.50 per 100  
12-in..... 2.00 per doz.; 15.00 per 100  
14-in..... 3.00 per doz.; 20.00 per 100

**D. U. Augspurger & Sons Co.**  
Box 778, **PEORIA, ILL.**

## MISSION PLANT BOXES.



Are the best and cheapest plant  
boxes in the market for large  
plants, boxwoods, bay trees,  
etc. They are attractive in de-  
sign, strong and durable. Suit-  
able for either outdoor or in-  
door use. Write for prices.

**WAGNER  
PARK CONSERVATORIES,**  
Sidney, Ohio.

## Superior Crimped Invisible Carnation Staple

(PATENT APPLIED FOR.)

For repairing split carnations. 1000 for 50 cents  
Postpaid.

**L. J. WAITE, 293 Main St., Springfield, Mass**

**ANOKA, MINN.**—The Easter trade at  
the Anoka Greenhouse Co. exceeded  
that of last year by 25 per cent. All  
stock was in prime condition except  
violets, which were driven out by the  
hot weather.

# Ammoniated Lawn Lime

**Kills Weeds.**

**Makes Grass Grow.**

Applied as a light top dressing to lawns it kills all flat leaved weeds such  
as Dandelion, Daisy, Plantain, Sorrel, Chickweed, Moss, etc., in 48 hours  
and without other fertilizer produces a wonderful, luxuriant, rich, green growth  
of lawn grass—which is distinctly noticeable 50 feet away.

The use of Ammoniated Lawn Lime supersedes hand weeding of lawns,  
putting greens, etc. It saves the grass from being pulled up and in many  
cases ruined. Grasses take a new vigorous growth, avoiding probable  
trouble in the future.

**Quantities:** If very weedy 1-lb. to 40 square feet, 25-lbs to 1000  
square feet, (20x50). Half to one-quarter amount  
if moderately weedy.

**ABSOLUTELY GUARANTEED.** Money refunded if not satisfactory.

We want **Seedsmen or Florists** as agents and distributors in  
every important city and town.

**Retail Prices:** 2-lb. cans, 25c, 50 cans per case. 5-lb. cans 50c,  
20 cans per case. Bags, 25-lbs. \$2.00; 50-lbs.  
\$3.50; 100-lbs. \$6.00; 1000-lbs. and over 5c per lb.

Descriptive Circular and Wholesale Prices on Request.

## SUPERIOR CHEMICAL CO.,

(Incorporated.)

**Louisville,**

**Kentucky.**

## The "Meyer Green Silkline"



is the only Green Thread that  
should be used by florists and  
growers. It is guaranteed full  
weight and full measure.

Also **Violet Thread** for tying up Vio-  
lets. Price of both, \$1.25 per lb.  
express or freight paid in good  
sized orders.

**JOHN C. MEYER & CO., 1449 Middlesex St., Lowell, Mass.**

## Evergreen Brand Flower Fertilizer.

A Pure Plant Food immediately available. It permanently enriches the  
soil. It prevents the onslaught of plant diseases or insect pests. Can be  
used at any time during the growing season, dry or in solution. Put up in  
12 pound cans, Price, \$2.00 each.

**For Sale by Leading Jobbers**

Further information can be obtained from

**D. D. JOHNSON CO., 64-66 Wabash Ave., CHICAGO.**

## The Mastin Automatic Whitewash and Spraying Machine Is Reliable, Practical and Durable



The tank is made of galvanized sheet steel, and in brass.  
The pump is of brass throughout, simple and powerful.  
The mixing device keeps the contents of the tank well stirred up from  
start to finish.

When the machine is filled to within six inches of the top, a few strokes  
of the pump will compress enough air in the tank to produce a continuous  
mist-like spray for 15 minutes.

All parts are made to gauge and may be had for repairs.

Ask your dealer about our **Extension Hose, Extension Rods,**

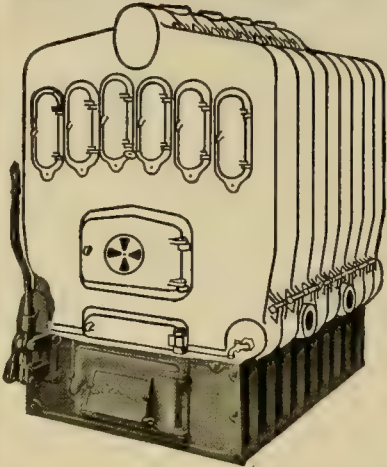
and the **Mastin Whitewash Nozzle** for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

**J. G. MASTIN & CO., 3124 West Lake St., CHICAGO, ILL.**



## The Burnham



Why buy half a boiler and then get a mason to build the other half? When you buy a Burnham you buy a base too. No bricking in expense.

**LORD AND BURNHAM CO.**  
IRVINGTON, N. Y.  
New York. Philadelphia. Boston. Chicago.

## WILKS'

### Hot Water Boilers

ARE THE MOST ECONOMICAL

Boiler for Greenhouses

No Night Fireman Required  
with our

**SELF-FEEDING HOT WATER BOILERS.**

Send for Catalog and Prices.

**S. WILKS MFG. CO.,**  
3503 Shields Ave. CHICAGO.

## Steel Return Tubular Boilers

The Most Economical Type of Boiler for Greenhouse Heating. Highly recommended by well-known florists.

**JOHNSTON HEATING CO.,** 138 E. 31st St., NEW YORK.

Lenox, Mass.

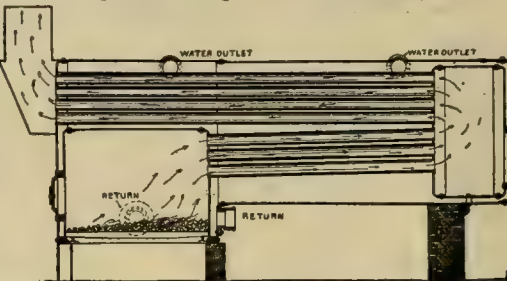
The annual rose and carnation night of the Horticultural Society was held April 2, and was a decided success; the members turned out in full force and were amply rewarded for their trouble. Seldom if ever have roses and carnations been seen in Berkshire county of such a high quality, upwards of 50 vases being staged for competition in the various classes. As a scarlet, Beacon was largely exhibited, while White Perfection, Enchantress, Winsor, Bay State, Rose Pink, Enchantress and Octoroon were strongly exhibited in their respective colors. An exhibit on which special praise was bestowed was two magnificent vases of Mrs. C. W. Ward and Alma Ward, carnations, exhibited by the Cottage Gardens Co., Queens, N. Y., and these were unanimously awarded a first class certificate, the society's highest award. Another exhibit which was greatly admired was an exceedingly fine vase of 50 flowers of a new carnation, White House, exhibited by Dailedouze Bros., Brooklyn, N. Y. This variety was shown in the best of condition, which speaks well for its shipping qualities. The flowers are borne on long stiff stems

## The Superior Standard

### RETURN FLUE FIRE BOX BOILER

contains more heating surface, and less water space than any other steel boiler.  
 $\frac{2}{3}$  of the heating surface is in the tubes.

Ask the man that knows the one using different style boilers—names are yours or the asking.



After using our boiler one season, you will say like all others: Nothing but "Superior" for me.

This boiler has given better satisfaction than any other boiler on the market

MADE IN NINE (9) SIZES FOR HOT WATER.

Send for catalogue and list of growers that are using this boiler.

**THE SUPERIOR MACHINE & BOILER WORKS, 840 -850 Superior St., Chicago.**



### Curved Eave Combination At Derby, N. Y.

A decidedly pleasing combination of our Curvilinear Palm House and Curved Eave Wings. It works out even more effectively than if it was all Curved Eave. And now that we mention Curved Eaves, what do you know about our particular way of building them? It would be a good thing to find out. Write us.

**Hitchings & Co.** 1170 Broadway, NEW YORK.

## The KROESCHELL BOILER

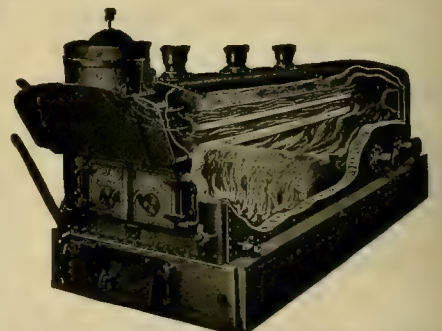
IS THE ONLY PERFECT  
**HOT WATER BOILER.**  
(NOT CAST IRON)

Has water in front, sides, top and a water back.

Made in 15 sizes, heating 6,000 to 50,000 square feet of glass to 60° at 15° below zero.

Prices and catalogue on application.

**KROESCHELL BROS. CO.**  
452 W. Erie St. CHICAGO.



and measure fully  $3\frac{1}{2}$  inches across. This was also awarded a first class certificate. The following were the principal awards:

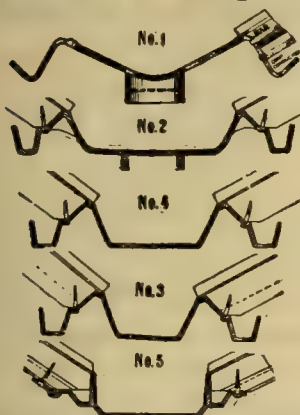
Elm Court Farm was first for 25 Enchantress and Winsor carnations, and 12 American Beauty and Richmond roses. A. H. Wingett was first for 25 Beacon and 12 Bay State carnations, and 12 President Carnot roses. S. Carlquist was first for 12 White Perfection, Beacon, Enchantress, Octoroon and Rose Pink Enchantress carnations. J. J. Donohoe was first for

25 My Maryland and second for 12 American Beauty roses, Winsor, Beacon, M. A. Patten and Rose Pink Enchantress carnations, and was also awarded a certificate of cultural commendation for an extra fine vase of Stock Queen Alexandra. The judges were: E. Jenkins, D. Speirs, W. Jack and A. J. Jenkins. G. Breed read an interesting paper on "The Orchards of the Berkshires," dealing with the best varieties, soils, pests and general management, etc.

G. H. I.



## A Gutter With a Reputation



Ask the man who has tried them. For further particulars, write to

**GEO. M. GARLAND CO.,**  
DES PLAINES, ILL.

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for new structure or repairs.

**Hot Bed Sash** In stock or any size required.

**Pecky Cypress**

for benches, lasting and least expensive.

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Western Ave and 26th St. CHICAGO.

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For Florists Gardeners. Truck Farmers, etc. Protects from frost. Best shade in summer. Sold by leading seedsmen.

Waterproof Sheetting, Hay Caps, Etc.

**HENRY DERBY, 123 F. Chambers St., New York.**

Orange, N. J.

The regular monthly meeting of the New Jersey Horticultural Society was held on April 8, when Geo. Smith addressed the society upon "The Florist Versus the Private Gardener." Mr. Smith described the importance of the gardener to the community, engaged as he was in producing what was next to God's greatest creation. The speaker seemed to think that a gardener might become a florist, yet the last seldom became a good gardener. In the floral display, Lager & Hurrell staged a collection of cattleyas, dendrobiums, miltonias and phalaenopsis of extraordinary beauty and fine contrasting color. Of chief note among these was a Dendrobium nobile of the Ashworth variety, which is a pure white, and was exhibited for the first time in this country. Thomas Jones, of Summit, contributed a vase of wallflowers. A letter from Hitchings & Co., offering a fine silver cup was read. It was decided to offer this at the dahlia show in October. The contest for 13 silver cups brought out a large display of carnations, some roses and other flowers. The judges for the evening were John Hayes and Edward Eccles.

J. B. D.

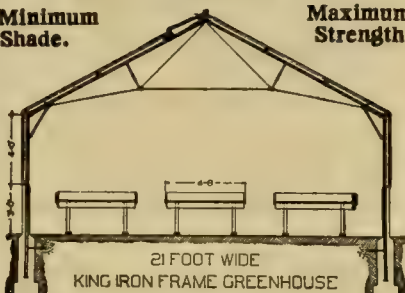
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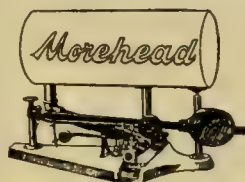
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Cochrane & McKay, Chicago, Ill., two 21 ft. by 141 ft.  
H. E. Asplin Rocky River, O., 54 ft. by 175 ft.  
Wm. Kriegler Lansing, Mich., 28 ft. by 100 ft.  
C. F. Maler, Denver, Colo., two 21 ft. by 100 ft.  
F. Tegerler, Denver, Colo., 25 ft. by 125 ft.  
C. Brehmer, Chillicothe, O., 42 ft. by 175 ft.  
F. Witthuhn, Cleveland, O., 30 ft. by 66 ft.  
F. F. Crump, Colorado Springs, Colo., 21 ft. by 150 ft.  
F. Holberg, Denver, Colo., three 25 ft. by 125 ft.  
Walla Walla Floral Co., Walla Walla, Wash., two 32 ft. by 100 ft.



## Morehead Steam Traps

The Morehead Return Steam Trap is specially designed and constructed for greenhouse steam heating plants. It fills the dual capacity of steam trap and feed water pump. It will create conditions enabling the florist to grow better flowers; save on fuel, water and labor bills, and derive general all around satisfaction from the installation.

Send for "Florist Trap Book."

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Fittings and  
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**IMPROVED VAPORIZING PANS**

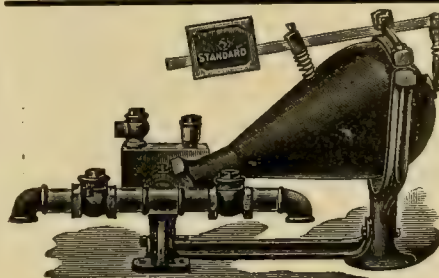
For Tobacco Extracts, etc. Send for Circulars.

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**VENTILATING  
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## The Standard Steam Trap

Has established a record far above that of any other trap for florists; being very simple, durable and easily taken care of.

Catalogues of the Trap, Duplex Gutter, and Standard Ventilating Machinery, mailed free upon application.

**E. HIPPARD, Youngstown, O**



### Flowers of the Var Valley.

The Valley of the Var has been rightly described, observes the "Globe," as the metropolis of flowers. Bathed in the brilliant sunshine of the Riviera and Provence, the climate is eminently suitable for their culture, and acres of jasmine, violets, roses, orange, and other flowers scent the air with their delicious fragrance. For seven months out of the 12, the flower farms of Nice, Cannes, and Grasse produce enormous quantities of flowers, which are principally used in the Grasse distilleries, where they are made into scents. The traffic in cut flowers is also so great that the market gardeners and florists of Cannes and the neighborhood dispatch nearly 400 tons of cut flowers during the spring and summer months to different parts of Europe.

The season begins with the double Parma violets in January. They were planted in October in long furrows under the shade of the olive, citron, and lemon trees, to protect them from the heat of the sun. In November dots of color appear among the leaves; the green is gradually overpowered, till in December, the whole plantation bursts into a glorious sheet of vivid blue. The blossoms are picked twice a week, for they lose their fragrance if allowed to remain long on the plant. Scents are sold so cheaply in these days, that it will come as a surprise to some people to learn that the essential oils of some of the commonest plants nearly touch the price of radium. Pure essence of violets is quoted by some of the Grasse distillers at over £112 an ounce; 33 tons of fresh flowers are required to obtain a kilo of essence, and often a kilo of fresh violets costs a shilling (24 cents) a pound to buy. Violet essence, can, however, be marvellously imitated by a compound of tincture of orris root, which, when cleansed with alcohol and solidified, has an odor of violets, stronger than the perfume of the actual flowers themselves, and resembles the genuine violet scent so closely that only experts can tell the difference. The violet season lasts till the end of March, and the flower farms of Nice and Cannes together grow nearly 400,000 pounds weight of violets annually.

From May to the end of September is the busiest time of all the busy year to the flower farmers, for roses, orange, jasmine, lemon-scented geranium, heliotrope and many other flowers besides herbs, are then in full bearing, and the people are in the fields from morning till night, picking the blossoms, separating the petals, and taking them to the perfumeries. Roses are cultivated by the thousands, and in the season as many as 150 tons are gathered in the province of the Alpes Maritimes. They are celebrated for a peculiarly delicate perfume exhaled by the flowers, which is said to be due to the pollen carried by the bees from the orange groves to the rose beds. Directly the blossoms are picked they are taken to the factories, spread upon a cool floor, and the petals separated from the stalks. Roses in the Var valley are principally used for the manufacture of spirituous extracts, pomades, and soaps; very little attar is prepared, the enormous number of flowers required to make even a small quantity prevents its being sold in sufficient quantity to insure a profit.

Even more important than the rose to the flower farmer is the orange tree, and he considers it the most lucrative of his stock. From the flowers he obtains an otto worth 10 shillings, and a fat worth eight shillings the ounce, and when distilled with water the blossoms yield a fragrant oil used in making eau de Col-

*green Flies and  
Black ones too*

are easy to kill with

The fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE H. A. STOOFF CO., MOUNT VERNON, N. Y.

## Eagle Machine Works

Richmond, Ind.

Manufacturers of Ring Stakes

for small plants.

Richmond Carnation Supports.

Rose and Mum Stakes.

## Wired Toothpicks

10,000, \$1.75; 50,000, \$7.50. Manufactured by

W J. COWEE, Berlin, N. Y.

Sample free.

For sale by dealers.

ogne; from the leaves another fat worth three shillings the ounce; from the rind of the fruit an otto worth 12-16 shillings the pound, and when all the juice has been extracted, the pulp is sold to feed the cows, and greatly improves the quality of their milk. The wood of the tree, which is yellowish-white and close grained, is used for inlaying and turnery. In the Var valley the orange is chiefly cultivated for its blossoms. The season begins in April; gathering the flowers is weary, back-breaking work, for the pickers sit hour after hour, perched up in the trees under the blazing sun, and many fall to the ground, overcome by a peculiar form of syncope, caused by the intense fragrance of the blossoms. Rose leaf geraniums, mignonette, tuberose, jasmine, and other flowers occupy the grower till October, and the flower cycle ends in December with the cassia and the olive.

The Valley of the Var was celebrated during the middle ages and during the thirteenth century the little down of Grasse, round which the flower trade centers, rivalled Marseilles in commercial importance. Though its greatness is now a thing of the past, it has never lost its position in the perfume industry of France. The peasants who grow the flowers and prepare them for the market are a hardworking, thrifty race. In many cases it is they who own the farms and who dispose of their produce to the perfumers the prices they receive varying with the amount and quality of the flowers they sell. They are all born gardeners, and their speech bears many evidences that their forefathers inherited the trade from the Arabs, who were excellent agriculturists. They are never out of work. During the summer months, when the plants are in full bearing, every man, woman, and child is employed, and during the winter which is very short they are busy collecting, melting, washing, and clarifying the grease, lard, and beef suet in readiness for the coming summer. They live mostly on bread and vegetables, with goats' flesh once a week for a treat. As their trade is never fluctuating, they manage to save a considerable sum during the year,

## Garman's Antipest

INSECTICIDE AND FUNGICIDE

For the Garden, Orchard and Greenhouse

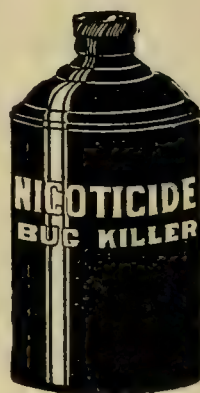
Non-poisonous and harmless to vegetation.

Kills Green Fly, Aphides, Bark Lice, Thrips Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the grower's Friend Handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down mildew. Circulars on application. \$1.50 per gallon. Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO., FLUSHING, N. Y.

Mention the American Florist when writing



THE BEST  
Bug Killer and  
Bloom Saver

For PROOF

Write to

P. R. PALETHORPE  
COMPANY,  
Owensboro, Ky



This  
Kills  
Mildew  
Every Time.

For particulars  
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BENJAMIN  
DORRANCE,  
Rose Growers,  
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HALFTONES, ENGRAVINGS and

PRINTING FOR FLORISTS.

358 Dearborn Street, CHICAGO.

which they regularly deposit in the savings bank, and we learn that "the wealth per head of this peasant population is equal to that of our most flourishing English commercial towns." We in England could learn many a lesson from the flower farmers in the valley of the Var.—Gardeners' Magazine.



# FOR "POT LUCK" TRY US..

## HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLDS LARGEST MANUFACTURERS

WRITE FOR CATALOG AND DISCOUNTS.

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## THE ART OF Floral... Arrangement.

The first special newspaper in  
the world for floral arrangement.

400 Partially Colored Illustrations Annually.  
Specimen number free.  
Subscription, \$2.90 yearly.

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Write us for catalog and prices, stating  
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also state whether you wish it for display  
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**McCray Refrigerator Co.**

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**CUT FLOWER BOXES**

**EDWARDS FOLDING BOX CO**

MANUFACTURERS

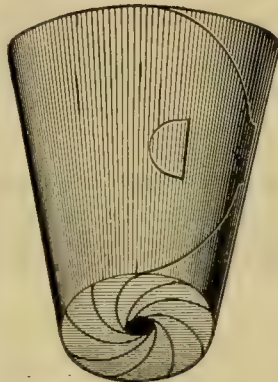
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## Kramer's Pot Hangers

For sale by Wholesale Seedsmen, Florists  
and Supply Dealers.

Price, \$1.00 per dozen by express. Sample  
dozen by mail, \$1.25.

**I. N. KRAMER & SON, Cedar Rapids, Iowa**

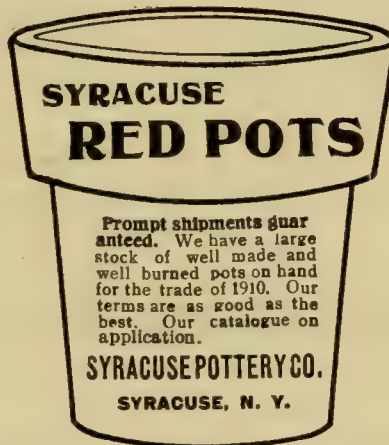


## NEPONSET PAPER POTS.

HEADQUARTERS

**VAUGHAN'S SEED STORE,**  
Chicago and New York.

Waterproof,  
Don't Break,  
Cost Little.



## SYRACUSE RED POTS

Prompt shipments guar-  
anteed. We have a large  
stock of well made and  
well burned pots on hand  
for the trade of 1910. Our  
terms are as good as the  
best. Our catalogue on  
application.

**SYRACUSE POTTERY CO.**

SYRACUSE, N. Y.

## Those Red Pots

"STANDARDS"

Full size and wide bottoms.

BULB PANS and AZALEA POTS

**DETROIT FLOWER POT M'FY**  
**HARRY BALSLEY, Detroit, Mich.**  
Rep. 490 Howard St.



## Standard Flower Pots

Porosity and Strength  
Unsurpassed.

Write for prices.

**A. F. KOHR**

2934-36-38 Leavitt St.,

CHICAGO

OTTAWA, ONT.—R. H. Wright's  
sales at Easter this year were one-  
third larger than those of last at  
similar prices. There was plenty of  
stock of all kinds. Plants sold well  
and Mr. Wright thinks that prospects  
are very bright for Canadian florists.

## Standard Flower Pots!

Packed in small crates, easy to handle

| Price per crate              | Price per crate             |
|------------------------------|-----------------------------|
| 1500 2-in., in crate, \$4.88 | 144 6-in., in crate, \$3.16 |
| 1500 2 1/2 " " 5.25          | 120 7 " " 4.20              |
| 1500 2 3/4 " " 6.00          | 60 8 " " 3.00               |
| 1000 3 " " 5.00              | HAND MADE                   |
| 800 3 1/2 " " 5.80           | 48 9-in., in crate, \$3.60  |
| 500 4 " " 4.50               | 48 10 " " 4.80              |
| 456 4 1/2 " " 5.24           | 24 11 " " 3.60              |
| 370 5 " " 4.51               | 24 12 " " 4.80              |
| 210 5 1/2 " " 3.78           | 12 14 " " 4.80              |
|                              | 6 16 " " 4.50               |

Seed pans, same price as pots. Send for price  
list of Cylinders for Cut Flowers, Hanging  
Baskets, Lawn Vases, etc. Ten per cent off for  
cash with order. Address

**HILFINGER BROS. POTTERY: Fort Edward, N.Y.**  
or **AUGUST ROLKER & SONS, New York Agents**  
31 Barclay Street, New York City.

Mention the American Florist when writing

## All The Clay

FOR OUR

## Florists' Red Pots

Is prepared by passing through a screen  
1600 meshes to the square inch. If in a  
hurry for pots order from us. We ship  
over five lines of railroad by river or  
interurban. Write for catalogue showing  
all the articles we make for florists' use.

**THE PETERS & REED POTTERY CO.**

ZANESVILLE, OHIO.



**GEO. KELLER & SON,**  
Manufacturers of

## Red Pots

Before buying write for prices.  
2614-2622 Broadway St.,  
CHICAGO.

**Always** mention The American Florist  
when you order stock.



## The Allied Trades

Descriptive particulars—with drawings or photographs, if possible—of any new apparatus or device which may prove helpful to the trade are solicited for this department.

### Bacterial Fertilizers.

The discovery of the mechanism of nitrification and the fixation of atmospheric nitrogen by the bacteria of root nodules, soon led to attempts to aid the process by the addition of nitrogen-fixing bacteria. In 1895, Nobbe and Hiltner patented a process of inoculating peas and beans and the soil in which they grow by soaking the seed with an infusion of a gelatin culture of the bacteria of the root nodules. Bayer offered a pure culture of Ellenbach's bacillus mixed with potato meal, but Maerker soon concluded, from the contradictory results obtained, that the preparation had failed to prove its value. In 1904 the United States Bureau of Agriculture distributed 12,000 boxes of bacterial cultures, which appear to have produced good results, in the majority of cases.

But the effect of these preparations is uncertain, as the abrupt change of medium may avert the development of the bacteria. The soil naturally swarms with nitrifying bacteria, but their growth may be checked by various causes, which will have the same effect on the few millions that are added.

Stocklase has endeavored to obtain harder varieties by cultivating the bacteria in a large mass of earth and has obtained remarkable results, but in view of the uncertainty mentioned above, it is prudent to defer judgment until several more years of experiment have elapsed.

A. F.

### Greenhouse Building.

Lockport, N. Y.—White Bros., one greenhouse, 40x175 feet; D. T. McCarthy & Sons, propagating house; Fred Lewis, addition to greenhouses.

Sedalia, Mo.—The Archias' Floral Co., three houses 18x150 feet, for roses and carnations.

Shawnee, Okla.—Brenner Floral Co., one greenhouse 42x145 feet.

Ballston Spa, N. Y.—Richard Schafer, new greenhouses.

Grand Rapids, Mich.—Freyling & Mendels, one greenhouse.

Eldora, Ia.—J. S. Pollard Floral Co., several greenhouses.

Clayton, Mo.—Werner Bros., two houses 32x165 feet.

### Tacoma, Wash.

The Easter business here was the best ever known. All tell the same story—"Not enough flowers to meet the call." Prices were the same as last year, and even though the Easter was so early the lilies were sufficient. As a rule, the flowers were not so good, yet they were lilies and brought in the money. As a whole, the bulbs this season were not so much diseased as in former years. All kinds of bulbous stock was well cleaned up and all other flowers. One thing noticeable was the absence of roses. The carnations are generally very good and stems longer this year than we have ever seen in this locality. There was very few pot roses in the market, and, taken as a whole, the pot plants were rather inferior of the kinds we did see. It was a profitable Easter and that

# Attention!! Glass Buyers!!

## GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.  
Quality A. No. 1. Prompt shipments.

### Hooker's Greenhouse White Paint

The most durable white paint for this purpose.

Half barrels, (26 gallons), per gal. \$1.85. 5 gal. pails, per gal. \$1.40

## H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone  
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# "GREENHOUSE MATERIAL"

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| 5 - 72x20 Tubular Boilers. | 2 - 54x14 Tubular Boilers.  | 2 - 42x10 Fire Box Boilers. |
| 2 - 72x18 Tubular Boilers. | 3 - 42x12 Tubular Boilers.  | 1 - 36x12 Fire Box Boiler.  |
| 6 - 60x16 Tubular Boilers. | 2 - 36x10 Tubular Boilers.  | 1 - 36x10 Fire Box Boiler.  |
| 1 - 60x14 Tubular Boiler.  | 2 - 48x14 Fire Box Boilers. | 2 - 30x 8 Fire Box Boilers. |
| 2 - 54x16 Tubular Boilers. | 3 - 48x12 Fire Box Boilers. |                             |

All of the above in good condition, for heating service only. Special prices.

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## BUILDING MATERIAL AND SUPPLIES

Marvelous bargains in Greenhouse Sash and Building Material of all kinds. Corrugated Roofing and Siding, Structural Iron, Gutters, Eave Spouts, Hydrants and Valves, 10,000 feet Rubber Hose, Soil Pipe, Plumbing Material of all kinds, Feed Pumps, Flower Pots, etc. Thousands of other articles of interest to Florists or Greenhousemen.

Send for our new 500-page Catalog No. 47. Free upon request.

CHICAGO HOUSE WRECKING CO.,

35th and Iron Sts., Chicago.

Superior Quality.

Hand Made.

## Greenhouse Glass

Why not buy the best. Write us for discounts.

We can save money for you.

## BAUR WINDOW GLASS CO.

Eaton, Indiana.



**SIEBERT'S ZINC**  
Never Rust  
GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes  $\frac{3}{4}$  and  $\frac{1}{2}$ . 40c per lb. by mail 16c extra; 7 lbs. for \$2.50 15 lbs. for \$5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Successors to  
Chas. T. Siebert, Baum & Beatty Bldg., Pittsburgh.

### Greenhouse Construction

By Prof. L. R. Taft. Price \$1.50  
AMERICAN FLORIST CO.  
324 Dearborn St., Chicago.

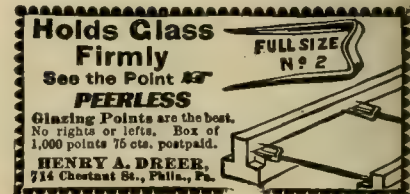
means every one in the greenhouse business, for those engaged in growing vegetables, were in with nice supplies and have had good sales at good prices.

TACOMA.

GRAND RAPIDS, MICH.—Freyling & Mendels will build a new greenhouse in Freyling court.



MASTICA is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass, as occurs with putty. Lasts longer than putty. Easy to apply.

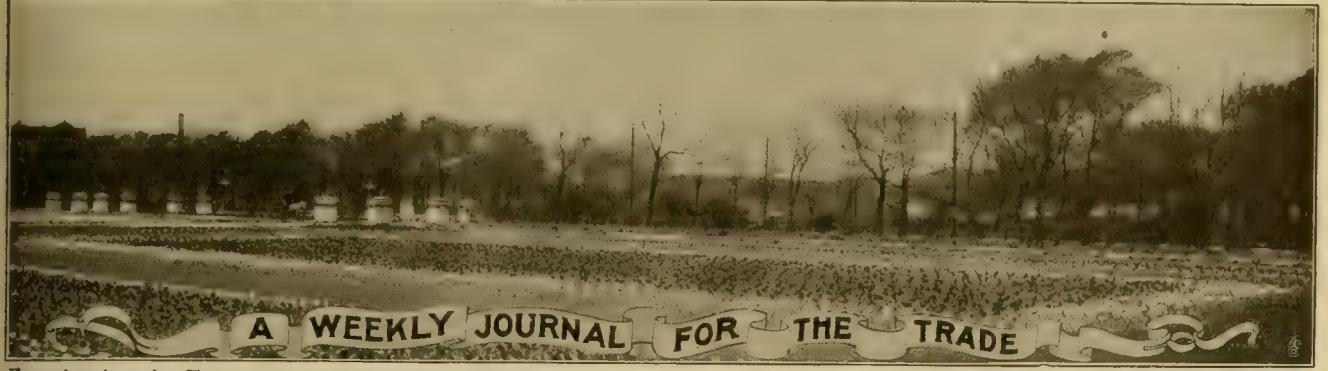


MONTCLAIR, N. J.—The Garden Society will hold its spring show April 16. The exhibit of narcissi will be a feature and many prizes are offered.

SPRINGFIELD, O.—Samuel H. McGrew, receiver of the Fairview Floral Co., has filed his final accounting. He states that \$3,468.32 has been disbursed and asks to be discharged.



# THE AMERICAN FLORIST



A WEEKLY JOURNAL FOR THE TRADE

*America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."*

Vol. XXXIV.

CHICAGO AND NEW YORK, APRIL 23, 1910.

No. 1142

## THE AMERICAN FLORIST

TWENTY-FIFTH YEAR.

Copyright, 1910, by American Florist Company.  
Entered as Second-Class Matter Nov. 11, 1891,  
at the Post Office at Chicago, Illinois,  
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

**AMERICAN FLORIST COMPANY,**

324 Dearborn St., Chicago,

Long Distance Phone: Harrison 7465.

**Eastern Office:** 1133 Broadway, New York.

**Philadelphia, Pa.:** Robt. Kift, 1725 Chestnut St.

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Subscription, United States and Mexico, \$1.00 a  
year; Canada, \$2.00; Europe and Countries  
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accepted only from the trade. Vol-  
umes half yearly from August, 1901.

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American Florist Co., 324 Dearborn St., Chicago.

### SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

**OFFICERS—**F. R. PIERSON, Tarrytown, N. Y.,  
Pres.; FRED W. VICK, Rochester, N. Y., Vice-  
Pres.; H. B. DORNER, Urbana, Ill., Sec'y;  
WM. F. KASTING, Buffalo, N. Y., Treas. Next  
meeting at Rochester, N. Y., August, 1910.  
Second National Flower Show, Boston, Mass.,  
March, 1911.

### THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at  
Boston, Mass., March, 1911. **FRED. BURKI,**  
Pittsburg, Pa., President; A. F. J. BAUR, Thirty-  
eighth St. and Senate Ave., Indianapolis, Ind.,  
Secretary.

### AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at Bos-  
ton, March 1911. **WM. H. ELLIOTT,** Brighton,  
Mass., President; A. FARENWALD, Roslyn, Pa.,  
Vice President; **BENJAMIN HAMMOND,** Fishkill-  
on-Hudson, N. Y., Secretary.

### AMERICAN PEONY SOCIETY.

Seventh annual meeting at Horticultural Hall.,  
Boston, Mass., June 1910. **B. H. FARR,** Reading,  
Pa., Pres.; A. H. FEWKES, Newton Highlands,  
Mass., Sec'y.

**Turn Your Surplus  
Stocks Into Cash  
By Advertising in the  
Ready Reference  
Department.  
See Page 653.**

## HALF HOUR CHAPTERS FOR PLANT GROWERS

### Hydrangeas.

A good deal of the success or other-  
wise of the Memorial day trade in  
plants will depend upon whether the  
specimens are well finished or not.  
There are many growers that do well  
with plants up to a certain time, lay-  
ing a good foundation, so to speak, but  
failing to put the proper finish on their  
plants that makes for quick sales. Hy-  
drangeas may be cited as a case in  
point. They may be good stock when  
started and the growth up to a certain  
point may be satisfactory, but then  
comes a check and the grower won-  
ders what is the matter. Feeding is  
an art far too little studied by the  
average plant grower. It is more than  
watering with liquid manure or  
sprinkling fertilizer on the surface of  
the compost. To feed judiciously it  
is necessary to know the exact con-  
dition—or as far as it is possible to  
determine it—of the roots, and this  
can only be done by close observance  
of the behavior of the plants. For in-  
stance, one often notices a few speci-  
mens on a bench that do not dry out  
at the root as readily as the others  
and possibly there is a pale yellow  
tint in the points of the new growths.  
These are signs that the roots are  
weak, and are incapable of using up  
the moisture as rapidly as it is being  
applied. Such plants should be se-  
parated from the rest in order to give  
them individual treatment, less water  
more particularly, until they regain  
strength and are again able to take  
the same supply as their fellows.

Then there is danger, on the other  
hand, if all are kept together, that  
some of the stronger plants will not  
get enough, either of feed or moisture,  
and in consequence the flowers will  
not be of the best substance or reach  
their fullest development. Strong,  
well rooted hydrangeas in the com-  
paratively small pots in which it is  
necessary to rear them, must have a  
lot of feeding and it must begin early  
enough for the flower trusses to ob-  
tain the full advantage. The plants  
for Memorial day are showing their  
trusses plainly now, and as there  
is every probability that the weather

will be fine and bright these will  
advance rapidly. The plants should  
be stood well apart to give the  
foliage a chance to enlarge and carry  
on its proper functions of sap elabor-  
ation, thus insuring good substance  
and color in the flowers, and the roots  
must be liberally fed. For these gross  
feeding plants it is immaterial what  
kind of manure is used, but when the  
feeding is kept up for any length of  
time a change should be made fre-  
quently. If ordinary manure water  
is used for a time a change to guano  
and root water is beneficial while  
should the foliage appear to be losing  
color, (not on plants over-watered as  
described above) nitrate of soda is an  
excellent stimulant, bringing the green  
back to the leaves and toning up the  
plants generally. But it should be  
kept in mind that this is more of a  
stimulant than a perfect plant food  
and must be supplemented by manure  
of a more substantial character.

### Geraniums.

We have so frequently referred to  
the culture of geraniums that it  
seems hardly necessary to say much  
about them specially for Memorial  
day, but as this is the one season of  
the year when more are used than all  
the others combined a line or two  
seems in order. The culture now nec-  
essary is to finish the plants properly  
and any that are out of cultivation in  
any way, either out of shape or in  
poor condition at the root, needing  
potting or more room must have the  
necessary attention at once. Although  
the time is short from now till May  
30, it is the best part of the growing  
season and it is wonderful how quick-  
ly the plants respond to proper treat-  
ment if their environments are cor-  
rect. We do not counsel cutting back  
as a general proposition so late in the  
season, but should any plants be bad-  
ly drawn we would not hesitate to cut  
back slightly and take a chance on  
their recovering in time. But this  
will not be necessary with stock that  
has been treated any way fairly and  
a little pinching will, in the majority  
of cases, be all that is needed, not  
even this where the plants are in good



shape. Keep them as far apart as room will allow and turn them around when giving a new stand so every part of the plants will get its proper share of light and air.

#### Marguerites.

Many marguerites are used around Memorial day for planting window and veranda boxes, vases and other ornamental devices, often in connection with dwarf cannas, dracaenas, scarlet geraniums, coleuses and other plants. While the experienced planter may not choose the most finished plants for such purposes, preferring those that are less developed, the general public, in the form of customers, like to see a fine plant full of flower and will not buy others as long as these are to be had. To be in good shape for Memorial day the young stock should be in the flowering pots now, and any that are still in the small pots must have attention right away. Those that are already established may be pinched over for the last time, stood well apart on a cool bottom of ashes on a light bench in a cool airy house and allowed to come into flower slowly. The yellow varieties are usually a little slower than the whites, but they get along well together in the same house if judiciously treated. Marguerites should always be potted firmly and in good but not rich soil. Any feeding that is necessary can be given when the buds show. Plants in loose, rich soil are never so good in habit, being loose and of soft growth—nor do they flower as freely as others given a firm root run.

#### Rambler Roses.

In many cases it will be more trouble to hold pot rambler back for Memorial day than to force them out, especially should the weather keep mild and bright. The plants that have been held outside for the purpose are much more forward than usual, owing to the mild weather, but some plants of Crimson Rambler, Lady Gay and Tausendschon cut back slightly about two weeks ago and stood since then in a cool house are very promising now and look like being just about right. Keep up as natural and airy an atmosphere around the plants as possible, but avoid chilling draughts, as these are safe to be followed by green fly attacks. With the best care in spraying and maintaining a good atmosphere this pest sometimes appears and fumigation is in order. Young rose shoots are very tender and easily damaged so let the fumigation be gentle and often repeated rather than give one strong dose. There is still time to pot young imported stock and get the plants in, but they will not be as good in quality as others that are potted and established. They should be cut hard or slight, according to the condition of the wood and the strength of the variety. Solid well ripened shoots need not be cut so hard as those which are undeveloped and green nor should strong growers be so severely cut as those of less vigorous habit. These plants will need more warmth than the better established specimens and we do not advise their use for the purpose unless they are likely to be really needed for they can never be so satisfactory as plants more naturally treated.

#### Pansies.

Pansy plants are always in demand for cemetery and ordinary planting and the stock must be fully exposed to all the light and air possible from this stage on. Flats with about 18 plants in each are good sellers if the plants are showing a few flowers and all such must be kept well apart and in the full sun. There is plenty of time to make these up from some plants or bench seedlings that were pricked out some time ago. The older of the plants will probably show flower buds but these must be pinched off until about two weeks before the plants are wanted and the flowers will be finer and of better color when they are allowed to flower. Plants in frames that have wintered over should be gone over occasionally and the soil firmed. A little fertilizer may be worked into the surface should the plants appear to be at all weak in growth, but usually the stirring of the surface after firming it will be sufficient.

HAVERFORD, PA.—A flower show is being planned by the society women of this part of the state. It is intended to hold the show here May 28.

BRIDGEPORT, CONN.—The tulips in the parks here look very promising now. There will be no change in the officers of the park department this year.

FAIRMONT, W. VA.—George Doffin, of Wheeling, is making preparations to open a retail store here May 1. It will be in the Cumford building on Main street.

WALLA WALLA, WASH.—Huff & Young say their trade this year at Easter was 40 per cent above that of last at prices about the same. Plants and cut flowers were hardly equal to the demand, lilies, azaleas and hyacinths selling best among the former, carnations, sweet peas and lilies in cut flowers. The weather was all that could be desired.

## THE RETAIL TRADE

THE florist suffers every time he takes a crisp dollar bill for a lady's theater rose, the petals of which fall at her feet before the end of the first act, to the utter disgust of her escort who purchased the flower. When the sidewalk vendor does that kind of thing he pulls his hat down over his right eye so that the buyer will not recognize him again. More alarming, however, is the possibility that the fair, fanciful sprite may hie to the dry goods counter next time out and select the artificial variety which, notwithstanding the dainty shades and fragrance of real attar, have stems and flowers so tough as to lash the life out of the boldest holdup man that preys upon belated wayfarers.

#### April Flowers in the New York Stores.

Although at this writing a cool wave has reached us, the effects of the remarkably warm weather of March are everywhere visible. Spring is here with all its attending charms, and among them are the flowers. That old saying that "April showers bring May flowers," might well be changed for this season, to read in effect that March sunshine has brought April flowers. The term, spring flowers, is now, commercially, rather indefinite, as we see spring flowers throughout the winter months; another tribute to the growers. Nevertheless, aside from commercial features, it is now that we see a profusion of all blooms that accompany the season and it is a feast for the eye.

In these later years, so much fine stock has been grown and sold that the demands and tastes of the experts in the business have become exacting. There were times when much stock that is now considered poor by dealers, would have been quickly taken. While it is a fact that the hot weather has brought in some very indifferent



HAUSWIRTH'S STORE, CHICAGO, AT EASTER.





DECORATED AUTO BY A. WIEGAND & SON AT THE RECENT FLORAL PARADE AT INDIANAPOLIS.

stock there is much that is good. American Beauty Roses are seen in fine form and it is to be regretted that they do not sell faster, but the market is governed by supply and demand. The choicest blooms may be found in the stores and it may be that the conditions of a surplus and low prices may in the end go far toward popularizing flowers and benefit the trade, but it is hard for growers and dealers to get much comfort out of that reflection at present.

Of other roses, Killarney, White Killarney, Richmond, My Maryland, Chatenay, Bride and Bridesmaid, may be seen in good condition. Killarney has distanced all competitors in productiveness and popularity. In the leading stores, moss roses are now seen. The demand for them is not great, but they help to swell the grand total that makes the store of the up-to-date dealer a great and varied collection of the best things in floriculture. Long ago the beauty of the lilies was enshrined in song and story. Doubtless we have more beautiful lilies today than any of those that aroused the admiration of the old poets and writers, but, there are so many of them. Lilies are always useful and beautiful, and a staple stock. The weather conditions of this spring have been so remarkable that it would be unjust to lecture the growers and charge them with responsibility for the prevailing surplus. There was a time when the narcissi of different varieties and the tulips were popular stocks, but it now appears that their popularity is waning. "We have have about cut out narcissus," said a leading retailer to the writer a short time ago. The early spring with the attending great crops of roses and carnations and the great influx of outdoor, southern stock has practically put this class of bulb stock in the discard. Much of it is seen and it helps to decorate a window, but little can be said of it as a commercial factor.

Unless we get another of the surprises that weather conditions occasionally bring, violets may be considered about out for this season. From some unexplained cause, many of them were very poor, even before the hot weather of March, but that about finished them, so far as quality was concerned. Doubtless there will be shipments of violets for some time to come, but conditions are not favorable for any quantity of good stock. Southern lilac is now arriving in quantity. While it cannot loom large as a commercial factor it adds to the beauty and variety in the stores. There are plenty of orchids and gardenias to supply all demands, and the demand is regular. That has been the case for some time regarding orchids, but gardenias are increasing in popularity. Great improvements have been made in their culture since we first knew them, not the least being the long stems. While the weather has had a deteriorating effect on some of the carnation stock, there is plenty that is yet good. If they have suffered from the unusual conditions they have but shared the lot of other stocks. Though all stocks rise and fall both in popularity and in price, it would appear that good carnations are about as safe a proposition as anything.

There is an abundance of lily of the valley and this is another stock which, while it has its ups and downs, will always be popular. Sweet peas are plentiful and much fine stock may be seen. The great improvements in sweet peas in these later years is another indication that we are almost to a point where we are in danger of being overwhelmed with a wealth of good things. There are a number of other stocks on the market that add variety. Daisies, snapdragons stocks, cut primroses and pansies and arbutus are frequently seen. The spring plant trade is now assuming large proportions. Well flowered geraniums, daisies and other seasonable

plants are easily found. While the cut flower trade is not what many would wish to see it, there are signs of an approaching improvement. We have good flowers but too many of them. A decrease in the supply seems inevitable and it would work great good in the market.

INDIANAPOLIS, IND.—Burglars broke into Bertermann's store on Massachusetts avenue at midnight April 7 and looted the cash register, but as the day's receipts had been banked, they obtained but \$7.50. The burglars were frightened away by Walter Bertermann, who happened to make a visit to the store at that time.

State Flowers.

The following are state flowers as adopted in most instances by the vote of the public school scholars of the respective states. This list has been compiled at the request of several readers:

|                |                               |
|----------------|-------------------------------|
| Alabama        | Goldenrod                     |
| Arizona        | Cereus Giganteus              |
| Arkansas       | Apple Blossom                 |
| California     | California poppy (Romneya)    |
| Colorado       | Columbine                     |
| Connecticut    | Mountain Laurel (Kalmia)      |
| Delaware       | Peach Blossom                 |
| Florida        | Camellia Japonica             |
| Georgia        | Cherokee Rose                 |
| Idaho          | Syringa                       |
| Illinois       | Rose                          |
| Indiana        | Corn                          |
| Iowa           | Wild Rose                     |
| Kansas         | Sunflower                     |
| Louisiana      | Magnolia                      |
| Maine          | Pine Cone                     |
| Michigan       | Apple Blossom                 |
| Minnesota      | Moccasin Flower (Cypripedium) |
| Mississippi    | Magnolia                      |
| Missouri       | Goldenrod                     |
| Montana        | Bitterroot                    |
| Nebraska       | Goldenrod                     |
| Nevada         | Artemisia tridentata          |
| New Jersey     | State Tree, Sugar Maple       |
| New York       | Rose                          |
| New Mexico     | Rose, Crimson Rambler         |
| North Carolina | Chrysanthemum                 |
| North Dakota   | Goldenrod                     |
| Ohio           | Buckeye                       |
| Oklahoma       | Mistletoe                     |
| Oregon         | Oregon Grape                  |
| Rhode Island   | Violet                        |
| South Carolina | Carolina palmetto             |
| South Dakota   | Anemone patens                |
| Texas          | Blue Bonnet                   |
| Utah           | Sage Lily                     |
| Vermont        | Red Clover                    |
| Washington     | Rhododendron                  |
| Wisconsin      | Violet                        |



## Diseases of French (Roman) Hyacinths.

Two pests appeared last year (1909) to curtail the production of hyacinth bulbs at Ollioules, France, the home of the Roman hyacinth. The first was an insidious little green worm which worked its way to the very vitals of the bulb and left it hollow as a sepulchre after its passage, while to all intents and purposes the bulb was sound and healthy. It takes an experienced hand and eye and much hard work to sort out the contaminated bulbs from a lot of 100,000 or 1,000,000, but that is what several of the Ollioules shippers undertook to do this season. Some of the smaller cultivators lost their all, as the shippers would not knowingly buy of a grower whose crop was attacked.

A field of hyacinths would be perfectly sound and another right beside it would be attacked so badly that not a healthy specimen remained. Knowingly, or unknowingly, certain of these bulbs were put upon the market, and that is why the mere caliber of the bulbs did not make the market price this year as it had formerly. Even the additional 50 in 1,000, increased in many instances to 100, would not reimburse the shipper for the extra work involved in sorting out the good from the bad, for the peasant grower could hardly tell the good from the bad. A sound bulb of 12 centimetres was worth considerably more than a hollow one of 15. It was this prime cause that accounted for the increased number of shipments of French bulbs to the United States this season from Ollioules and Hyères. In actual volume the sale was perhaps not so large as in former years, but the number of shipments was largely increased by the scarcity of the bulbs at certain moments, for it is a well recognized fact that the product must reach the American market in all cases as soon as it is gathered.

The necessity of watching and sorting the stock as it was brought in to the shippers by the growers round about made the shipment often a slow process. It is to the credit, however, of the growers and shippers of "oignons a fleurs", that this warm little corner of old Provence handled the situation as well as it did, and if, in general, the hyacinth bulbs did not size up as plump as formerly, so long as the quality remained the same there is little likelihood that the celebrated market of Ollioules will dwindle away,

at least until some American grower can produce as luxuriant a crop from the same quantity of parent bulbs as can those of the sunny hillsides of Mediterranean Provence.

Another narrow escape this season was in thwarting the inception of a curious malady which attacked the hyacinth bulbs after they had been taken from the ground. It commenced with the base of the bulb and worked upwards in much the same way that an onion or carrot rots in a damp cellar. It was in fact a rot of some kind, like the black rot that attacks the vine, but the bulbs were not so readily doctored as by the process of spraying a vine with "jus de tabac." A fumigating process was undertaken by burning sulphur beneath great drying racks on which the bulbs were spread, thus killing the rot at its birth, and though many hundreds of thousands of bulbs were supposedly susceptible to a growth of the malady there were not many that were not cured, according to forcing experiments which were undertaken with bulbs taken from among the suspected bulbs which had previously been sulphur treated. The circumstance is worth taking note of and it is to be hoped that no further developments of an untoward nature will be brought about.

Several among the smaller producers not only lost their present season's crop, but all their capital invested in the species. It is to be remarked, however, that strenuous action is being taken to avoid a recurrence of either of the pests, for while the cost of production has steadily been raised with regard to the staple White Roman hyacinth of commerce, the growers and shippers of Ollioules are bound that it shall not be brought about by the lowering of the reputed quality of their product.

Toulon, France.

F. M.

MONTVALE, MASS.—Wm. Ward is planning to build an additional greenhouse in the near future.

READING, PA.—Steabenow Bros. have purchased a plot of ground at Twelfth and Exeter streets, where they will erect a greenhouse and salesrooms.

MINNEAPOLIS, MINN.—Besides furnishing plenty of flowers and plants for the institution, the conservatory of the local workhouse paid a cash profit of \$951 in 1909.

## CHRYSANTHEMUMS

✓  
Rooted Cuttings.

The vast number of rooted cuttings disposed of at the present day and age, prompts a few notes on the subject. In the first place, what constitutes a first-class cutting? Fig. 1 represents three cuttings of the same variety showing a wide range of quality. The first was not only taken before it attained a desirable length, but was too thick and weak to be put in the sand. The second was drawn by lack of air or light, either on the stock plant or by being allowed to remain in the cutting bench until thin and spindling. The third has been given air during the whole operation and from such a quality one might expect to establish every cutting received. A short cutting of good vigor is far preferable to a long one if its length is due to forcing process.

Surely each cutting man has first-class stock, or at least he so says and considers them. The purchaser who has potted the plants from various sources is the best critic. The fact that cuttings are long and well rooted gives little assurance that they are prime, and could not be greatly improved by slight changes in the methods employed. Most of the long cuttings are due to being rooted in a close, warm house with little or no bottom heat or by forcing the stock plants under similar conditions. It is true they will root under adverse conditions, but when potted they are more difficult to establish than when given abundance of air with gentle heat underneath.

The producers of the finest exhibition blooms root their cuttings without bottom heat, but they are not subjected to heat overhead; in fact, not over 40° is considered preferable. The prices received at present will not justify any one in following such a method, it being a question if many of the cuttings being offered are sold at a profit even when produced with the greatest dispatch. If all varieties were as free as Golden Glow, Gloria and the Pacifics, there might be some margin left at the lowest prices, but there are many kinds which neither produce or root as quickly. All of these conditions modify the cost of production. Forcing gives succession



TYPES OF ROMAN HYACINTHS.

Single Blue.

Double Light Rose.

White Roman.





Fig. 1—Various Forms of Chrysanthemum Cuttings.

of cuttings at shorter intervals, but the quality is impaired.

From the foregoing it seems important to strike a happy medium between the cold and forcing process. During the winter months when heat is essential we have found an overhead temperature of 55° with bottom heat about 10° higher give the most satisfactory results, producing roots fairly quickly and still providing sufficient substance. Under such conditions the ventilators must be more or less ajar at all times. There are a few varieties which do not respond to such treatment owing to peculiarities which they constitutionally possess. We refer to such kinds that are both slow in producing and rooting. Probably Virginia Poehlmann is the most reluctant propagator of the present popular commercial sorts and W. R. Church, Maud Jeffries and Fidelity are examples in the exhibition class. Anyone attempting to produce these kinds with any satisfaction or profit must resort to the forcing method. Both stock plants and cuttings require greater heat, as they make very little growth in a low temperature and the cuttings harden if not rooted quickly.

It is true that the quality cannot be considered improved by such treatment and where early deliveries are not important normal conditions are preferable. As the sun returns and the houses feel the result thereof, they will produce excellent cuttings. Throughout the dark days more judgment should be exercised in watering the cutting benches, giving ample supply when it is required, and, as far as possible, in the early part of the day so the foliage is dry by night. Such treatment with a free circulation of air are the best remedies for cutting bench fungus and the rotting and spotting of the leaves.

Some consideration will be necessary toward the welfare of the rooted cutting while in transit. If there is considerable difference in the length of the cutting it is wise to put the long and short ones in separate bun-

dles. The short cuttings always suffer first and if any heat before reaching their destination it is invariably the short ones, which, being excluded from the air, are sure to perish. When mossing and bundling, the object should be to keep the roots moist and the tops dry and for this reason we prefer not to have the paper in which they are wrapped cover their entire length and thus exclude the air from the leaves. If about one-third of the length of the cuttings extends beyond the wrapper, there is less danger of damping.

After the danger of frost is over it is best to pack open, placing the bundles in an upward position and secure them in some manner so that they cannot shift about. It is impossible for expressmen to handle every package with care, and to insure satisfaction to the customer it behooves every shipper to do all in his power to prevent the bundles from being displaced. It is not a bad idea to use printed paper labels and where several sorts are included in one pack-



Fig. 2—Chrysanthemum Cuttings Bundled Ready for Shipment.

age, use a label for each bundle; then in case they shift there is no difficulty in sorting out each kind. If our memory serves us right, the paper labels cost 25 cents per 1,000 printed which is cheaper than a wooden label can be written.

We prefer not more than 25 cuttings in a bundle and, by the way, make the count 26 to 28. It is true 100 cuttings are 100 cuttings to the shipper, but it is very seldom they will give the purchaser 100 plants when established in pots. Fig. 2 shows cuttings bundled ready for shipment. Fig. 3 represents two plants of Ivory in 2-inch pots. The first was a drawn cutting potted three weeks ago and shows how the soft lower leaves have withered, leaving the bare stem. The second was from a short cutting potted in February and still retains its foliage down to the pot. The slow growth is due to the low temperature maintained during the cold months, but from now on all kinds will respond more rapidly. ELMER D. SMITH.

### Chrysanthemums in the South.

The weather is getting rather warm now for propagating in the greenhouse, but the cuttings will root readily in a cold frame. The frame should be deep enough to protect the cuttings from the dry winds. The best material for the bed is composed of about two parts charcoal dust and one part finely sifted loam. This can be pounded firm, and the cuttings set out in the usual way. Sand for cutting bed purposes is being discarded owing to trouble with fungus and the extra care required to prevent damping off. If charcoal dust is not readily obtainable pure loam will answer very well if care is taken in the watering. In very hot dry weather the cuttings may be sprayed a few times during the day, but do not let the bed get soggy. Whatever shade is used should be raised a few inches above the frame, back and front, to allow a good circulation of air. At night the shade can be removed entirely and let the cuttings have the benefit of the dews. At this season the cuttings should root in from 14 to 20 days. Later in the season more or less trouble is experienced from damping off, but if the extreme top of each cutting is pinched out before inserting in the bed the difficulty will be overcome. This is a simple but sure remedy. It is better not to take the cuttings too soft, but go down to the semi-hard wood and make two cuttings from a stem. The cuttings may take a few days longer to root, but the result is surer. As soon as rooted the cuttings should be placed in pots and kept growing without a check until planting out time.

WM. LEAR.

PROVIDENCE, R. I.—John F. Wood was petitioned into involuntary bankruptcy April 9.

LONG BRANCH, N. J.—W. W. Kennedy & Son have leased a new store at 230 Broadway and will be open for business soon.

SALT LAKE CITY, UTAH.—A. M. Holter, who has been the florist at Liberty park for the past 10 years, has resigned. He intends to go into business for himself.



Fig. 3—Chrysanthemum Ivory in 2½-inch Pots



## THE ROSE.

### Roses in Oregon and Washington.

A paper read by Wm. S. Sibson, Portland, Ore., before the meeting of the American Rose Society at New York, March 17, 1910.

You will appreciate the vastness of the subject upon which I have been requested to speak, when I remind you of the extent of territory, and diversity of conditions in regard to climate and soil, that exists within the two states I am to discuss. Combined, they aggregate 165,000 square miles, an approximate acreage of 61,500,000 acres of land, so diversified in character that, in a brief address, it is possible only to select a limited area, and to refer generally to the balance of this wonderful empire, which in development is only in its infancy. Having a coast line on the Pacific ocean of about 500 miles, these states are divided about 150 miles from the coast by the Cascade range of mountains into two great sections, namely: East Oregon and Washington, and West Oregon and Washington. It is of conditions in the western division that I will endeavor to say a few words that may interest those who are strangers to our country.

#### CLIMATE.

The climate of western Oregon and Washington is remarkably mild and even. Occasionally, of course, we have hard winters. The one from which we are now emerging has been, all told, the worst I have seen during a residence here of nearly 40 years. As a rule, however, the winters are mild, rainy and pleasant, with a mean temperature in a series of years for the five months between October and May of about 46°. In the summer months, from May to October, the average temperature, during a like period has been about 63°. These temperatures are averages for a series of years. Cold snaps, which seldom record lower than from 10 to 15 degrees of frost, occasionally occur in winter and the hot spells of summer, which range from 85° to 90° and sometimes a few degrees higher, have been, of course, included in arriving at the averages I have quoted.

#### RAINFALL.

Western Oregon and Washington are frequently credited with an excessive rainfall; in fact, I have heard strangers claim that in Oregon it rains 13 months of the year. As a matter of fact, the precipitation at Portland does not exceed 46 inches per annum, and in a series of years it has not reached this average. Perhaps, to people who visit us in winter, it may appear to rain excessively, because the bulk of our rainfall takes place during the six months, from October to March. I have noticed that when we have an unusually long, rainy winter, generous crops of grain, fruit, and all the products of the ground result, and while I have never seen an analysis of our Oregon winter rain water, I believe it is one of the best natural fertilizers, and laden with plant food by a beneficent nature.

#### ABOUT ROSES.

With such a climate as I have briefly outlined, with soil unexcelled, and with a people who are enthusiastic lovers of the rose, is it surprising that our country should have become celebrated for its roses? The motto of the

American Rose Society, "A rose for every home, a bush for every garden," is with us a condition and not a theory. This sentiment is good, but in my opinion far too modest, and I hereby beg to make a motion to amend and substitute, "Roses for every home; roses for every garden." The motto of the Portland Rose Festival Association is, "Roses fragrant, roses rare; roses, roses, everywhere." And this is consistent with the feelings, opinions, and practice of our people.

#### WILD ROSES.

Wild roses of many species are indigenous and flourish in luxuriant foliage and wealth of bloom. The fragrant sweet brier, vigorous and strong, in many places, lines our country roads. In some districts of deep alluvial soil, the swamp brier attains a height of 20 feet or more. High up some mountain slope, we find wild roses rioting amid the huckleberry, sallal, and other native shrubs.

The late Rev. Dean Hole, a great rosarian and one of the originators of the National Rose Society of England, in his valuable "Book About Roses," says in effect that wherever wild roses grow, rose culture may be successfully carried out. Without a doubt there are in our soil, climate, and surroundings, qualities peculiarly conducive to rose growing. Eastern people are often surprised at the size, perfection, and beauty of roses in this country. To emphasize this assertion, I will quote the opinion of an expert, well known to many of you, who visited Oregon in 1903:

#### PORTLAND, ORE.—AN EXPERT OPINION.

"Portland is the only place I have struck since leaving home that I would like to remain in." This was the remark of E. G. Hill, of Richmond, Ind., a horticulturist well known to most rose growers of this city, who arrived here a few days ago on a tour of the coast. He had heard of the beauty of Portland roses and the first thing he did after getting here was to look about town and visit some of the principal rose growers. He was fortunate

in arriving just after the rain and so found the roses in good condition. He was taken out by James Forbes to visit Riverview cemetery and other places and so had an opportunity to see the best roses to be found in Oregon. He was delighted and said he had never seen such beautiful roses before, though he had traveled through England and France when the roses were at their best and had come through southern California on his way here. Of some of the flowers he said: "I have never seen such a hedge of LaFrance roses, even in France, and as for the Caroline Testouts, the man who originated that variety never had any such on his place." The foliage on the trees and shrubs in the cemetery and the vivid green of the grass Mr. Hill considered perfectly wonderful.

#### SIZE OF ROSES.

I think it was Oregon, and perhaps Portland, that first realized all the good characteristics of that fine variety Mme. Caroline Testout, which is now perhaps one of the five most popular roses in existence. It fairly revels in the warm, moist days of early summer and responds to intelligent and generous treatment, with almost continuous bloom from June until the frost of winter. When I was an amateur, or, as we say here, a rose crank, and before joining the professional ranks, I had the time and inclination to develop the best I could get out of my rose garden. You know Paul Neyron was, up to a few years ago, and perhaps is yet, the largest rose in cultivation. I have seen it credited in your eastern catalogues with this characteristic, and further described as sometimes attaining 5½ to six inches in diameter! In Portland, in my own garden, I have cut this rose, not once but often, measuring 11¼ inches in diameter! Perhaps you will think this is a rose story. It reminds me of a friend of mine, Judge W., of Portland, now passed across to the happy hunting grounds, beloved of all good sportsmen and rose lovers.



ROSES IN PORTLAND.—A FLOWERY CORNER.





A HEDGE OF PORTLAND ROSES.

Many Streets in the Residence District Look Like This for a Large Part of the Year.

Some years ago the judge and I were fly fishing on one of Oregon's lovely streams. A little distance ahead I saw him scientifically play and shortly land a fine trout, calling out excitedly, "Sibson, a 3-pound beauty." While saying this, he had taken from his pocket his scale and hooked it in his beauty's gill, but, lo! it registered only 1¾ pounds! Throwing his scale far into the stream, he cried, "Darn this scale; it never is right." I beg, however, to assure you that the foot rule that measured the roses above referred to was correct. While the size attained above is exceptional, and was the result of constant and intensive cultivation, it indicates relatively the size of flowers that can be realized in our climate and soil.

#### EVOLUTION.

Ever since I have known Portland, when her population was only about 3,000, her people have been devoted to roses, and I believe the same applies to every town in western Oregon and Washington. Nearly 20 years ago excellent rose shows were held in Portland. In those days the ladies of the city took hold and, by united effort and good executive, exhibitions were held that would have been a credit to much larger places. The love of roses thus encouraged, rapidly increased and every new home builder became a lover of the rose. In 1901 the Hon. F. V. Holman, a leading attorney and noted amateur rosarian, suggested that Portland be christened and hence-

forth called "The Rose City." The suggestion quickly took and today, not only in this country, but throughout the civilized world, Portland is identified with fine roses.

In 1905 the Lewis & Clark exposition attracted, I think, some 2,000,000 people to this city, and the reputation and beauty of her roses were disseminated far and wide. About two years later, the Portland Rose Festival Association was organized and annually in June there is held a "week of roses," including the great rose show, under the auspices of the Portland Rose Society. At this rose show last year it was estimated 3,000,000 rose blooms were used in the decoration of the building in which the show was held. Perhaps I am saying too much of Portland, but in this connection it is almost unavoidable, because I live here, and have been, and am, in close touch with these matters. Other towns, however, in western Oregon and Washington are developing the same success in their cultivation. It is invidious to mention names where all are interested, but it would surprise many of you gentlemen to see the beauty and quality of flowers that are exhibited at the rose shows throughout this section. At many of them, the latest introductions of Europe are exhibited. Our rosarians are also discriminating and well posted about their favorites, and woe betide the dealer who is not careful to keep everything true to name. Shakespeare

says: "What's in a name? That which we call a rose by any other name, would smell as sweet." But here we must have the true rose by its true name that was given to it by its introducer at its birth. I could say more about this, but it does not come within the province of this paper.

#### COMMERCIAL ASPECT.

So far what I have written may not have been of interest to you as professionals, wishing to know something about the conditions from a commercial point of view. I regret to say that for commercial growing in a large way, many unsurmountable drawbacks exist. The mildness and beauty of the climate so favorable for the amateur is absolutely impossible for the professional. About five years out of seven, the plants will not ripen until too late for distant shipment. I have often cut good outside roses at Christmas. Then our spring usually opens too early. Frequently when the east is blocked with ice and snow, our roses are budding and getting ready to bloom. I have more than once seen outdoor roses in Portland begin to bloom by or about April 8. On the other hand, several times no roses have been in bloom on Memorial day, May 30.

In the former cases, the shipping season is ruinously curtailed. At other times there are killing frosts late in January or February, and in my own experience I have seen the young



wheat plants frozen out in the middle of March, necessitating reseeded of practically the whole northern part of western Oregon. In such seasons the plants suffer such serious injuries that a year is practically lost before they can again be ready for market.

#### The Gardeners' M. P.

Extraordinary scenes of mourning were witnessed at Sunderland, says the Journal of Horticulture, when the funeral took place of Councillor Thomas Summerbell, ex-labor M. P. for the borough, who died suddenly of heart failure a day or two previously at the age of 48. Among those who attended were the mayor and corporation, and many representatives of the labor party, including about a dozen members of parliament, trade unions and friendly societies. Members of miners' lodges came from great distances, bringing their banners and bands, and in addition there were the bands of the police and the musicians' union. There were altogether over 6,000 people in the procession, and over 50,000 spectators lined the route. All tramway traffic was suspended during the funeral. The North-Eastern Railway Co. ran a special train from Newcastle, calling at the collieries on the road. By request of the mayor the restaurants which are usually closed on Sundays kept open for the convenience of those who journeyed to the town to attend the funeral. Mr. Summerbell was a member of the last parliament, but was defeated at the late election. He was deputed by his party to champion the interests of the young gardeners at Kew, whose conditions of pay were considered unsatisfactory. In token of their esteem and appreciation of the deceased they despatched a large and handsome wreath to be placed upon the coffin.

#### New Use For Privet.

The Fruit, Flower and Vegetable Trades' Journal, (Eng.) has a specially contributed article entitled, "A Possible New Industry," in a recent issue "Some weeks ago," says the writer, "when discussing horticultural matters in general with a friend, he surprised me by informing me that the common privet (*Ligustrum vulgare*) contained precisely the same dye as fustic (*Morus tinctoria*), and that an infusion of privet leaves produced results identical with fustic infusion. Mr. Bolton, who is a medallist and author of a work on wool dyeing is foreman dyer in a large dyehouse, and he followed up this discovery by exhaustive tests which proved that the privet color was not affected by exposure to sunshine or boiling with soap, and that it acted in practice in exactly the same way as fustic. Over 3,000 tons of fustic wood are imported annually. 'Can privet be profitably grown at home to replace these imports, and so keep the money in the country?' asks the writer. The present price of fustic chips is £6 per ton and fustic extract is £36 per ton.

PROPHETSTOWN, ILL.—George Miller intends to make extensive improvements on his greenhouse plant soon.

## THE CARNATION.

#### Care of the Young Stock.

Propagation of young stock is, or should be, completed by this date, for any cuttings put in after the first week of April are too late to make satisfactory stock for this season unless they are permitted to remain in the field later than the average date of planting. The only exception to this rule would be in the case of some novelties that were being propagated for stock purposes rather than for blooming, for in such a case the late rooted cuttings might prove of value as stock producers for another season. These last lots of cuttings require close attention during the first few days after they have been potted off, from the fact that the sun is now strong, and the houses are necessarily aired freely both night and day, and these conditions are very trying to newly potted cuttings. Therefore, careful shading and frequent spraying are necessary until the plants make some more roots. A wilted cutting loses time, and every day counts in the short season that is now allowed for the preparation of carnation plants, for the weeks pass very quickly between the middle of April and the middle of July.

The earlier lots of young plants should now be breaking freely, and

be made for each house, so that one may see at a glance just what sorts are in that particular house, and will save many unnecessary steps in locating the various lots of each variety at the time they are wanted for the field, for it is practically impossible to keep each variety by itself when there have been several successive lots of cuttings put in.

Green fly and thrips will be avoided on the young plants by preventive spraying with nicotine solution, or by fumigating when the weather permits, though there are few opportunities for the latter at this season from the fact that the weather seldom permits the closing of the houses. Thus the spray pump becomes the standby after the middle of March, though adding to the labor of the grower to that extent, for fumigating may be done by the night man, while spraying must be done by daylight in order to be done properly. Plenty of fresh air, both day and night, will have been given to the young stock to harden it off ready for the field, the fires having been done away with just as soon as the weather permits. This practice produces hardy and short-jointed plants that will start away almost as soon as they are planted out. Then with frequent cultivation with either the hoe or the cultivator, and some hand-weeding where it is not safe to



ROSES IN PORTLAND, ORE.

Even Poor Men's Houses Boast a Wealth of Roses.

those that have not yet been topped will need looking over every few days in order to keep them topped as rapidly as they are in condition for that process. It is much easier to do the first topping while the plants are on the benches than it is to do this work after they are planted out in the field, for it takes less time and is not nearly so tiring to the back of the operator. And it is not only neater, but also saves time when planting, if the weeds are kept down while the plants are in the houses. These are merely ordinary cultural details, but they all count at such a busy period as planting time. It is also of much assistance if a careful list of varieties

use the hoe, the stock should get away in good style, given reasonably favorable weather for a few weeks. After April 1 a light shading is usually required on the flowering stock, this practice not only saving the color of the flowers, but also preventing the soil from drying out quite so frequently, and at the same season the plants are generally ready for some extra feeding, either in the form of a topdressing of some fertilizer composted with soil, or a mulching of short manure, either or both being beneficial, according to the condition of the plants, and the amount of fertilizing material that may have been given them earlier in the season.



Winter prices are a thing of the past, a more or less pleasant memory, but there is Memorial day to come, and carnations may be in greater demand at that time, so it will not do to neglect the stock during the spring slump. More syringing will be permissible now, or rather will be necessary, for the hot sun and drying winds encourage the spread of red spider and thrips, and while the latter may be eradicated by the faithful use of nicofume, the red spider is more readily dislodged by vigorous syringing. Ventilation should be as free as the weather will permit, using a minimum night temperature of 50° as a standard.

W. H. TAPLIN.

### To Be Done Now.

#### IN THE GREENHOUSES.

Shift on all the salvias that have not already been attended to and pinch the shoots for the last time.

Do not allow the young fuchsias to flower yet. Keep them growing and see they are not pinched for pot room.

Keep plenty of air on the rambler roses wanted for Memorial day. The present hot weather is likely to bring them too early. A light shade is also beneficial.

Pot the last batch of coleus cuttings as soon as rooted and give them good care. They will need all the time there is between this and Memorial day to finish anything like salable plants.

Pick off all old flowers on the azaleas that are to be carried over another year. If these go to seed it will greatly weaken the plants and they will not flower so freely.

Prick off the seedling ferns in pots before the young plants appear. Shade and cover the flats with panes of glass to keep in the moisture.

Separate young tomato plants before they have a chance to become crowded in the seed beds or flats. Drawn, weak stemmed plants are never satisfactory and are late in producing fruit.

Let seedling *Asparagus plumosus* and *A. Sprengeri* become strong before pricking off but not crowded.

If the houses are crowded some of the forwardest bedding geraniums may go into frames but they must be covered at night.

Keep close watch on the young cyclamens for insects. Thrips and green fly are apt to put in appearance now and if not killed destroy all hopes of healthy plants. Shading is necessary now.

It is not too late for sowing sweet peas inside to produce flowers before those from outdoors are plentiful.

#### OUTDOORS.

When pruning rambler and climbing roses leave as much of the new wood as possible. It is on this wood that the flowers are produced and while it is useless leaving poor or undeveloped wood, none of the well ripened should be taken.

A light mulch of loose, partially decayed manure should be laid on the beds where herbaceous stock has been newly planted. This will serve to keep in the moisture and prevent the sun reaching the roots.

Prepare the quarters for asters, zinnias, sweet sultan and other annuals for cutting with especial care, using plenty of composted soil or half decayed manure rather than fresh.

A light, firm soil is better for colored leaved shrubs than a rich, heavy loam, bringing out the color in the foliage much better.

The finer varieties of wrinkled peas may still be sown. After the end of the month the earlier, quicker maturing kinds are better.

When planting the early sown beets pinch off the end of the tap root.

Oriental poppies are gross feeders and where there is any suspicion of the soil being poor give a good top dressing of rich manure.

Plant potatoes in any soil that has to be cleaned this year. A good crop can be grown and the frequent hoeing and cultivating necessary will destroy the weeds.

Liquid manure is an excellent stimulant for early cabbage. If this is not plentiful nitrate of soda is an excellent substitute.

Frequent hoeing is the best hastener of growing crops. It allows the sun's warmth to get to the roots, sweetens the soil and retains surface moisture.



The Late Rev. D. S. Heffron.

## OBITUARY.

### Rev. D. S. Heffron.

The Rev. Daniel Salisbury Heffron, horticulturist and minister of the gospel, died at his home in Washington Heights, near Chicago, March 30. Mr. Heffron was born at Schroepel, Oswego county, New York, 93 years ago. He was educated at Falley seminary, then went to teaching and was superintendent of the public schools of Utica, N. Y., from 1850 to 1868.

Mr. Heffron was a naturalist of considerable attainments and numbered Asa Gray and the elder Agassiz among his intimate friends. Throughout his entire life he was an enthusiastic horticulturist and engaged extensively in that pursuit, while at Utica, raising among other things a number of meritorious varieties of grapes and potatoes, the latter including Early Rose, which had a world-wide vogue and is still grown extensively.

In 1868 he moved to Chicago and engaged in the seed business, buying out Hovey & Nichols at 170 Lake street, retaining A. H. Hovey as a partner. The latter dropped out in a short time and after the fire was succeeded by James H. Morris as a silent partner, the concern retaining the firm name of D. S. Heffron, with H. G. Savage as manager. After two or three years Morris succeeded Heffron and later Morris sold out to King & Savage. The concern seems to have had considerable difficulty at the time

of the fire, changing location frequently. In 1872 it was located on State street near Harrison in an emergency shanty, moving the following year to a new building farther north on the west side of the same street. Washington street is also given as one of the locations about this period.

It was at Whitestown that Mr. Heffron met and married Dorcas Mandane Chapman. His wife, who survives him, is a direct descendant of Roger Williams. The venerable couple celebrated their golden wedding anniversary in July, 1895. They had been married 64 years. They had eight children, two who died in infancy; Dr. Helen M. Heffron, who died in 1894; Walter S. Heffron and Ella Abbott, the wife of Arthur Abbott, both of whom died in 1902, and his surviving children, Ida Cassa Heffron, Arthur D. Heffron and Cora Heffron Murray. Walter S. Heffron's genial personality is held in loving remembrance by the Chicago flower trade, with which he was identified, lastly in the business of E. C. Amling, and his brother, Arthur D. Heffron, with the Albert Dickinson Co., Chicago, is well and favorably known in the seed trade.

When Mr. Heffron moved to Washington Heights it was sparsely settled, but in 1872 he was largely instrumental in the organization of Bethany Union church and remained its pastor for 17 years. The remaining years of his life were spent in this community and his warm interest in horticulture and floriculture continued to the last.

The funeral services were held at the home of his daughter, Mrs. George W. Murray, April 1, and the interment was at Mount Greenwood cemetery.

### Herman Wild.

Hermann Wild, for 42 years a resident of Sarcxie, Mo., died at his residence Sunday, April 10, of old age. Born in Rosswein, Saxony, December 24, 1824, he left his native country at the age of 20, arriving in New York, from whence he went to Milwaukee, Wis., and in 1848 was married to Miss Maria Haase, who survives him. One of the early settlers at Sarcxie, he purchased a tract of land and commenced farming, later establishing a florist business. He was a man of kindly nature and benevolent disposition. Recently he and his wife presented the city with land for a park. Besides the widow, one brother and six children survive him. He was a member of the Odd Fellows order for 40 years, the body being laid to rest with the honors of that organization.

### Twenty Years Ago.

APRIL, 1910.

A cyclone at Louisville, Ky., did considerable damage to greenhouses.

The season was remarkably early, but owing to a very mild winter not a mild spring.

Fine pictures of the exterior of some of the New York state florists' places were shown in the AMERICAN FLORIST, showing great skill and more care than is usually taken now-a-days.

Vaughan's Greenhouses at Western Springs, Ill., were in their first year.

The old *Genista racemosa* was being sent out under the name of *G. Canariensis*.

Dr. Geo. Thurber, one of the most accomplished of American botanists, died April 2 at Passaic, N. J.

OCALA, FLA.—Andrew McDonald, of Summerville, N. J., has moved here with his family and will establish a flower business soon.



# THE AMERICAN FLORIST

1885 TWENTY-FIFTH YEAR 1910

Subscription, United States and Mexico \$1.00 year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

Eastern Representatives:

A. F. FAULKNER, 1133 Broadway, New York.  
ROSE, KIFT, 1725 Chestnut St., Philadelphia, Pa.

**THE AMERICAN FLORIST,**  
324 Dearborn St., CHICAGO

**THIS ISSUE 52 PAGES WITH COVER**

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THE McCray Refrigerator Co., Kendallville, Ind., makes a fine line of refrigerators specially designed for florists, full details of which will be found in the handsome new catalogue just issued.

## Mother's Day.

The honor of originating Mother's day belongs to a young lady of Philadelphia, Pa., Miss Anna Jarvis, who conceived the idea of celebrating the anniversary of her mother's birth, which is May 9, under this designation. The white carnation is the floral emblem of the day, but other white flowers are used when carnations cannot be obtained. We understand this is the fourth year of the celebration.

## Chrysanthemum Society of America.

Owing to a clerical error in our issue of April 9, page 530, the date of the annual show at Morristown, N. J., reads November 23, 24, 1910. It should read November 2-3-4.

## Brooklyn Botanical Garden.

Plans are now being made for the new Botanic Gardens and Arboretum which will be located in Institute park, Brooklyn, N. Y. The Institute of Arts and Sciences has an annual fund of \$2,000 to \$2,500 for the purchase of plants while the city will furnish the land and maintain the gardens. Dr. C. Stuart Gager, director of the department of botany at the University of Missouri, has been engaged as director at a salary of \$4,000.

## Fuel Economy.

ED. AMERICAN FLORIST:—

Will you please tell me if a boiler 10 feet long and 42 inches in diameter, with ten 6-inch flues, is as economical on fuel as one of the same dimensions with smaller flues, the boiler to be set in brick?

F. S. W.

With a high chimney, a boiler with 3-inch flues will be found more economical of fuel than one with 6-inch flues, especially if a high pressure of steam is desired, or if the full capacity of the boiler is utilized. On the other hand, if there is considerable reserve capacity in the boiler, and it is only necessary to maintain a low pressure, a very good showing can be made with a boiler with 6-inch flues. In other words, taking two boilers having the same area of grate and fire surface, but with 6-inch flues in one and 3-inch in the other, it will be possible to get more out of the latter with a given amount of fuel, but the difference will be very slight when the boilers are called on for one-half, or less, of their full capacity.

L. R. T.

## Flower Pot Accident.

A WARNING TO WINDOW GARDENERS.

A peculiar and unfortunate accident happened in front of the Belmont hotel, Forty-second street and Park avenue, New York, on the afternoon of April 8. John E. Mayhew, an advertising agent of Worcester, Mass., had just left the Grand Central station and was passing the hotel, when a flower pot fell from the tenth story, struck him on the head and broke his skull. He was taken to Bellevue hospital in a dying condition. We trust that this accident will be a warning to all dwellers in cities. Many times we have noted great carelessness by householders concerning the way they have plants, both in pots and boxes, outside their windows. Doubtless the people who caused this accident are deeply grieved, but that does not improve the situation. Here are some instructive figures from a local paper:

"Distance flower pot fell before striking Mr. Mayhew, 120 feet. Weight of flower pot, about 10 pounds. Its velocity when Mayhew was hit, 128.60 feet a second, or about 100 miles an hour. Force of the blow, about three tons—about the same force a projectile from a 6-inch gun has when it strikes an object."

## Another Pernicious Bill Pending.

H. R. 23252, now before congress (committee on agriculture in the house) provides for importation of nursery stock into this country by permit only and requires that a United States officer inspect all lots so imported at destination regardless of state inspection, that he have 10 days to make such inspection, and that the secretary of agriculture may extend the operation of the law to all seeds and bulbs.

This is another of the drastic laws put forward at the instigation of and by employes or by authority of the Department of Agriculture and should be opposed by every commercial nurseryman, seedsman and florist in the country.

## The Late Mrs. Vesey.

IN MEMORIAM.

Whereas, The Ladies' Society of American Florists has been called to mourn the loss of its beloved first president, Mrs. Wm. J. Vesey, of Fort Wayne, Ind., and is desirous of expressing its sympathy; therefore, be it

Resolved, That in the death of Mrs. Vesey our society has lost a member whom we have prized for her wisdom and advice. The board of directors will miss her executive ability in their session this coming summer. To know her was to love her instantly. She has gone in her prime of life and our hearts go out in sympathy to the husband and children—we grieve with them; and be it further

Resolved, That a copy of these resolutions be sent to the family, and also spread upon the minutes of this society, and published in the trade papers.

MRS. PETER FISHER,  
MRS. J. F. SIBSON,  
MRS. J. C. VAUGHAN.

Whereas, The Supreme Ruler of the Universe has called from labor to rest Mrs. Maggie S. Vesey and thereby caused a cloud of gloom to hover over the immediate family and relatives as well as the large circle of friends in her beloved profession; therefore, be it

Resolved, That the St. Louis Ladies' Home Circle in regular meeting assembled extend to the bereaved family in this their sad hour the sympathetic hand of consolation and affection with the profound hope that the confidence of our loss being her eternal gain shall widen the silver lining around the cloud of sorrow; be it further

Resolved, That a copy of these resolutions be presented to the family and to the trade press, and also become a part of the records of this meeting.

MRS. OTTO G. KOENIG,  
MRS. C. A. KUEHN,  
MRS. THEO. MILLER,

Committee.

St. Louis, Mo., April 11, 1910.

## Meetings Next Week.

Baltimore, Md., April 25, 8 p. m.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.

Cleveland, O., April 25, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit street.

Lake Forest, Ill., April 27, 8 p. m.—Horticultural Society of Lake Forest, Council Chamber, City hall.

New London, Conn., April 27.—New London County Horticultural Society, Elks' hall.

Toledo, O., April 27.—Toledo Florists' Club.

Winnipeg, Man., April 27.—Winnipeg Florists' Association.



## Wants, For Sale, Etc

**One Cent Per Word, Cash with Adv.**

**For Plant Advs., See Ready Reference Section.**

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

**Situation Wanted**—By saleslady with experience for potted plants and cut flowers; preference cemetery New York or vicinity. Address  
A B 223 E. 19th St., New York City.

**Situation Wanted**—By young married man, German, as carnation foreman; I am strictly first-class and can show good results. State wages and full particulars in first letter. Address  
Key 495, care American Florist.

**Situation Wanted**—Gardener wishes position; thoroughly understands growing of flowers, fruits and vegetables under glass and outside care of lawn, etc.; only places where a first-class man is wanted need apply.  
Key 498, care American Florist.

**Situation Wanted**—On private place by competent grower of carnations, roses, 'mums and cut flowers in general as well as pot plants, life experience, best references; age 31; please state salary and particulars in first letter. Address  
Key 502, care American Florist.

**Situation Wanted**—As cut flower grower or working foreman thoroughly competent to take charge first-class rose, carnation and chrysanthemum grower, also the growing of all kinds of bulbs, pot plants and bedding stock. Address  
Key 480, care American Florist.

**Situation Wanted**—As manager or foreman by a practical grower of cut flowers and plants; capable of taking entire charge of a large or medium plant; a life experience; single; when applying state particulars as to wages, etc.; references O. K. MANAGER, 1225 Race St., Philadelphia, Pa.

**Situation Wanted**—A gardener and florist, German single aged 26; 12 years' experience in pot bedding plants, cut flowers, forcing bulbs, propagation in and outdoor vegetables landscaping and nursery, desires position May 1; south or southwest, private place preferred; capable of taking full charge. Can furnish references to character and ability. When answering state particulars and salary. Address  
Key 500, care American Florist.

**Help Wanted**—Three quick potters. Address  
VAUGHAN'S GREENHOUSES, Western Springs, Ill.

**Help Wanted**—First-class all-round grower; steady position; state wages.  
FOSTORIA FLORAL CO., Fostoria, Ohio.

**Help Wanted**—Rose grower; must be strictly sober and reliable; salary \$14.00 per week.  
MAX RUDOLPH, 11 W. 12th St., Cincinnati, O.

**Help Wanted**—At once, two all-round good greenhouse help; top wages and steady work.  
EDWARD TATRO, Salina, Kansas.

**Help Wanted**—Man for all 'round work in greenhouse and small nursery; married man with small family.  
LEVANT COLE, Battle Creek, Mich.

**Help Wanted**—Carnation grower for small place (18,000 ft. of glass); near good home for the right man; state wages.  
JOHN F. MILLER, McHenry, Ill.

**Help Wanted**—A florist of general ability, strictly temperate; state experience, references and wages expected.  
W. W. STERTZING,  
7280 Manchester av., St. Louis, Mo.

**Help Wanted**—An experienced man for carnations, chrysanthemums and general plant line; permanent position for good grower. Address  
PEIRCE BROS., Waltham, Mass.

**Help Wanted**—Two expert landscape gardeners, at once; \$5.00 to \$8.00 a week; work all year round; only good men need to apply. Address  
Box 29, Waterloo, Iowa.

**Help Wanted**—A working foreman to take charge of rose department of 50,000 feet of glass. New modern, strictly up-to-date plant. Must be thoroughly competent. References required. Address  
Key 492, care American Florist.

**Help Wanted**—First-class rose and carnation grower. Also one or two young men for pot plants in mail order department; must be rapid potters and able to water. State experience and salary wanted. Address  
IOWA SEED COMPANY, Des Moines, Iowa.

**Help Wanted**—At once, carnation foreman to take full charge of an up-to-date carnation establishment; must be single, fully experienced in growing the best stock, and able to handle men; state wages expected with board and room, and full particulars. Address  
N. ZWEIFEL, North Milwaukee, Wis.

**Help Wanted**—At once, a working foreman, married, capable of handling help to advantage, on a place of 35,000 feet of glass where roses, carnations, 'mums, bedding plants and general stock are grown to supply our store; must be a producer of first class stock; send copies of references; state age and wages expected in first letter.  
JOHN RECK & SON, Bridgeport, Conn.

**Wanted to Lease**—June 1st retail greenhouse establishment with land. State rent size, etc.  
Box 97, Jersey City, N. J.

**For Sale**—One Furman boiler in good shape, heating 12,000 sq. ft.; cheap.  
Key 468, care American Florist.

**For Sale**—About 5000 feet of glass, with dwelling; no competition; can sell more than you can grow at good prices. DWIGHT GREENHOUSES,  
Dwight, Ill.

**For Sale or Rent**—40,000 square feet of glass, in good location; needs partial rebuilding; rent accordingly, or will sell at reasonable price.  
Key 460, care American Florist.

**For Sale**—Good greenhouse in one of the most desirable towns in excellent location; three railroads, making good shipping center. A snap.  
Apply to WM. BALLARD, Perry, Iowa.

**For Sale**—A bargain; 6,000 feet of glass, double strength stocked with roses, carnations, geraniums, etc., all ready for spring trade; \$500 down; reason for selling, other business.  
Key 497, care American Florist.

**For Sale**—Greenhouse property, 5000 feet of glass; 1 1/4 acres land in one of the best cities in central Indiana; well stocked and doing a good business; will be sold at a bargain on account of bad health of owner.  
Key 493, care American Florist.

**For Sale**—A well paying florist business of 4,000 square feet of glass in good condition, very cheap, but must be sold for cash at once; the best reason given for selling. The place is in a growing college town; natural gas for heating at 10c a thousand.  
CHAS. DURR, Granville, Ohio.

### FOR SALE.

One of the finest equipped, up-to-date florist's business in Oklahoma on the most prominent streets in Shawnee, Okla.; also on the car line; 12,000 square feet of glass; steam heat. Business \$700 per month and can be doubled. Price: \$16,000 one half cash, balance one and two years at six per cent. This includes an automobile for delivery. For further particulars write MIKE BAKER, 106 North Broadway, Shawnee, Oklahoma.

## WANTED.

**Seedsmen capable of earning \$1000 per year.** State fully your experience in seed business. Address  
Key 494, care American Florist.

## Agent Wanted

Wholesale firm, exporting natural grass, clover, and agricultural seeds grass seed mixtures to the States. Is wanting an agent for short trips and permanent representation. Must be acquainted with the trade. State references, age, conditions. Address  
Key 499, care American Florist.

## FOR SALE

**Second-hand Greenhouse Bars, 14 ft. lengths, 1c per ft.; 9 ft. lengths, 1c per ft.**

**Ventilators, with glass, 6 1/2 x 2 ft., \$1.00.**

WIETOR BROS., 51 Wabash Ave., Chicago

## Orchid Grower.

Advertiser needs and will pay good salary to a thoroughly competent grower of orchids on an extensive scale in a commercial establishment; location, California. Address, with full particulars,  
Key 501, care American Florist.

### FOR SALE.

Greenhouse plant; consisting of three houses, 15x100 feet. Dietrich construction, Carmody Ventilators, with show house 15x30 feet in front; 5500 feet of 14x20 double thick American glass; houses heated by 30 horse flue boiler and 2400 feet of 4-in. piping, hot-water system; plant complete with work-shop office and all greenhouse tools. This property is situated in one of the wealthiest towns of its size in the State of New York about midway between Rochester and Buffalo, on the Falls branch of the N. Y. C. & R. R.; has good retail and wholesale business and within walking distance of Catholic and Protestant cemeteries; everything new and up-to-date, including all tools, sod-crusher, etc.; entire plant will be sold for less than the material could be bought for new today; title perfect. For blue-print of plant, descriptions, price, terms and full particulars address the

HIGHLAND REAL ESTATE CO.,

111 Linden Avenue, MEMPHIS, TENN

# Offer Them Now

## ALL SPECIALTIES

**For Cemetery Use  
All Bedding Plants  
Window Box Stock  
Plants for Vases**

The season is three weeks early, and the growers will get left who do not clean out their surpluses

## BEFORE THE COMET COMES



# BEAUTIES, CARNATIONS, ROSES.

We are cutting heavily on all the better grades of BEAUTIES, ROSES, and CARNATIONS with all other seasonable stock in first-rate order.

SEND US YOUR ORDERS AND THEY WILL BE TAKEN CARE OF.

## AMERICAN BEAUTIES

|                       | Per doz. |
|-----------------------|----------|
| Extra long stems..... | \$3 00   |
| 30 inch stems.....    | 2 50     |
| 24 inch stems.....    | 2 00     |
| 20 inch stems.....    | 1 50     |
| 18-inch stems.....    | 1 25     |
| 15 inch stems.....    | 1 00     |
| Short stems.....      | 75       |

|                                                                                              | Per 100          |
|----------------------------------------------------------------------------------------------|------------------|
| Chatenay, Richmond, Mrs. Field, Uncle John, Bride, Bridesmaid, Ivory, Sunrise and Perle..... | \$4 00 to \$6 00 |

|                                | Per 100            |
|--------------------------------|--------------------|
| My Maryland and Killarney..... | \$ 4 00 to \$ 8 00 |
| Roses, our selection.....      | 3 00               |
| Carnations.....                | \$ 1 50 to 2 50    |
| Harrisii.....                  | 12 50              |
| Valley.....                    | 3 00 to 4 00       |
| Adiantum.....                  | 1 00               |
| Asparagus, per bunch.....      | 50                 |
| Ferns, per 1000.....           | 2 50               |

2,000,000 FEET OF MODERN GLASS.

**PETER REINBERG, 35 Randolph St., Chicago**

## WE ARE ABSOLUTELY CERTAIN

That we can give you **complete satisfaction** on all your cut flower orders. It doesn't matter how large or how small they are, all will be taken care of, and taken care of properly. While we have fine stocks arriving daily of all popular flowers, we wish to call especial attention to the quality of our **Bride, Bridesmaid, Killarney, White Killarney, Richmond and My Maryland Roses**. They cannot be beaten anywhere. **Carnations**, too, are in splendid form and in all the popular varieties—the best coming to this market. **Mignonette, Bulb Stock, Callas, Lilies, Valley, Sweet Peas** and all **Seasonable Flowers; Ferns, Leucothoe, Galax, Asparagus** and everything else needed in **Greens**.

We Give Personal Attention to All Orders.

**ZECH & MANN, Room 218, 51 Wabash Ave., Chicago**  
Telephone Central 3284.

### Chicago.

#### AN IMPROVEMENT.

There are chronic "kickers" on the market who said things were getting worse at the end of last week, but nobody pays much attention to them. There was a far healthier tone to the market, the last two days more especially, and stock cleaned up better than for a considerable time past. Of course many growers are throwing out more or less stock and this lessens the supply but there was also a brisker demand, both for local work and for out-of-town shipment and a great deal of stock was moved. Commencement exercises at out-of-town points have called for considerable flowers already in the territory served by this market while the city hotels are doing a big business and the call is large for flowers for table decorations. Roses have been good with more substance to the flowers and carnations are also in good shape. The arrival of *Cattleya Mossiae*, earlier than usual, has put the orchid supply on a better footing. *C. Schroederæ* and *C. Mossiae* overlapping. There are now plenty of flowers for all. Sweet peas are still of medium quality

only and the stock is not too plentiful. We have noted some extra good, long stemmed gardenias during the week and these are selling well. Even violets have appeared again in better form after everyone thought they were "down and out," but they will not cut much figure in the market any more this year, and the end of the month will practically see the end of the violets.

During the present week there has been little change to chronicle. Stock has shortened up still more but, unfortunately, the trade seems not to improve any. Both roses and carnations are good, much better than usual at this time of the year. Orchids keep getting more plentiful and the Spencer sweet peas improve this stock a little though they are not plentiful as yet. Sweet peas are holding their own better than any other flowers. Some excellent gladioli are in and sell well. The early red peony from the southern part of the state appeared this week; the flowers are cut very tight, but they are much earlier than usual. If frosts hold off we may expect the deluge soon.

### OPENING OF THE BLACKSTONE HOTEL.

The opening of the new Blackstone hotel gave John Mangel, who will run the florists' store in the building, a big amount of work. The decorations were very ornate and beautiful, yet simply and effectively carried out. In the main hall, fronting on Hubbard court, large vases of American Beauty roses, large palms and hydrangeas were effectively arranged. The palms were grand specimens and the hydrangeas finely flowered stock. The main dining room is a magnificent apartment, curtains, carpet and all fittings being of a beautiful bright yet subdued red which lit up finely at night. Quite a pretty departure was noted in the combined lamps and flower stand on each table, the shade being just above a vase, shedding a soft light on the flowers with an exquisite effect. My Maryland roses and white daisies were used on all the tables. It is noteworthy that a separate battery is provided for each table, thus insuring a regular light. The ball room and banquet hall were also beautifully treated, large kentias being the main feature, while magni-



# BEAUTIES

Very Large Crop  
of Long Stems

They are the best quality in this market. Also a

## Big Cut of Roses and Carnations

BUY DIRECT OF THE GROWER

### Current Price List

| American Beauties                      | Per doz.       |
|----------------------------------------|----------------|
| Extra long.....                        | \$3 00         |
| 30 36-inch.....                        | 2 50           |
| 24-inch.....                           | 2 00           |
| 18-inch.....                           | \$1 00 to 1 50 |
| Short stems, per 100, \$3 00 to \$4 00 |                |

| Carnations                             | Per 100        |
|----------------------------------------|----------------|
| Fancy red extra long O.P. Bassett.     | \$2 00         |
| Fancy White Enchantress.....           | 3 00           |
| Fancy Pink Enchantress and Winsor..... | \$2 00 to 3 00 |

| White and Pink Killarney, Richmonds, Maids, Perles and Brides |                |
|---------------------------------------------------------------|----------------|
| Extra long and select, per 100.....                           | \$8 00         |
| Good lengths, per 100.....                                    | 6 00           |
| Medium lengths, per 100.....                                  | \$4 00 to 5 00 |
| Short lengths.....                                            | 2 00 to 3 00   |

| Miscellaneous                    |                |
|----------------------------------|----------------|
| Lily of the Valley, per 100..... | \$3 00         |
| Tulips, all colors.....          | \$2 00 to 3 00 |

| Miscellaneous                             |                |
|-------------------------------------------|----------------|
| Sweet Peas, per 100.....                  | \$1 00         |
| Asparagus Sprays, per 100.....            | \$3 00 to 4 00 |
| Asparagus Strings.....                    | 50             |
| Sprengeri, per 100.....                   | 2 00 to 3 00   |
| Smilax, very long and heavy, per doz..... | 2 50           |
| Adiantum, per 100.....                    | 1 00           |
| Galax, green or bronze, per 1000..        | 1 00           |
| Ferns, per 1000.....                      | 2 50           |

ROSES, our selection, good medium stems.....\$2 00 per 100

## Bassett & Washburn

Store and Office: 76 Wabash Ave.,

CHICAGO

Greenhouses: HINSDALE, ILL.

# WIETOR BROS.

51 Wabash Ave., CHICAGO

Wholesale Growers of Cut Flowers

### PRICE LIST

| American Beauties,           | Per doz        |
|------------------------------|----------------|
| Extra long.....              | \$3 00         |
| 36-inch stems.....           | 2 50           |
| 30-inch stems.....           | 2 00           |
| 24-inch stems.....           | 1 50           |
| 20-inch stems.....           | 1 00           |
| 12-inch stems.....           | 75             |
| Short.....                   | 50             |
| Killarney, extra             | Per 100        |
| medium.....                  | \$8 00         |
| good.....                    | 6 00           |
| Richmond, extra.....         | \$8 00         |
| fancy.....                   | 6 00           |
| good.....                    | \$4 00 to 5 00 |
| Mrs. Jardine, extra.....     | 6 00 to 8 00   |
| fancy.....                   | 5 00           |
| good.....                    | 4 00 to 8 00   |
| White Killarney, fancy.....  | 4 00 to 8 00   |
| Brides and Maids, fancy..... | 4 00 to 8 00   |
| good.....                    | 3 00           |
| Uncle John, fancy.....       | 5 00 to 8 00   |
| good.....                    | 3 00 to 4 00   |
| Perle, fancy.....            | 10 cents       |

|                                                   |                |
|---------------------------------------------------|----------------|
| ROSES, our selection.....                         | \$3 00         |
| Carnations, extra fancy.....                      | \$3 00         |
| Easter Lilies, short \$2 00 per doz.              |                |
| Valley.....                                       | \$3 00 to 4 00 |
| Asparagus Plumosus, extra quality, per bunch..... | 75c            |
| Fancy Ferns, per 1000.....                        | \$2 50         |
| All other stock at lowest market rates.           |                |
| Prices subject to change without notice.          |                |
| No charge for packing.                            |                |

ificent specimen kentias 14-16 feet high were used in the smaller dining or coffee room on the west side of the hall. In the lower entrance on Michigan avenue, smaller but splendidly flowered hydrangeas, kept low in front of the plate glass partitions, had a most pleasing effect. The whole decoration, in fact, was very fine and a great credit to Mr. Mangel, whom we congratulate on having secured this important concessions. The retail store will be finished in a few days and is of white marble and plate glass, a very attractive affair. A large icebox and marble top counter is installed, and everything is up-to-date in the fittings.

#### NOTES.

Bassett & Washburn have been very successful of late with Rhea Reid roses and the flowers now coming in to the

store are excellent in every way, long stems, good foliage and equal to Beauties. The Beauty crop is keeping up in fine shape and all other stock shown is good. Mr. Washburn says he never saw a prettier sight than the snow made at Hinsdale on Sunday. The lilac bushes were in full flower, but when the snow came they were covered with it and the effect of the pink flowers coming up among the snow was unique and beautiful. Probably such a thing was never seen before by the oldest or any other inhabitant. Although two inches of snow fell and the fruit trees are in full bloom, Mr. Washburn thinks little or no harm was done to the fruit.

John Zech and M. Mann, of Zech & Mann, and a small party of others interested, paid a visit to the big carnation growing establishments at Joliet

on Sunday last, also visiting Albert C. Rott, the well-known retailer at that city. At the greenhouses everything was found in good shape and Mr. Rott was extremely busy with those elegant designs of his. Mr. and Mrs. Rott's hospitality is unbounded and an excellent dinner was done full justice to, all leaving for home early after a very pleasant day.

The quality of the American Beauty roses now arriving at Vaughan & Sperry's is unusually good and they are handling immense quantities. One day last week 2500 long stemmed flowers went to one customer and there were other orders nearly as large. F. Sperry says the crop will last about three weeks, by which time their growers hope to have another section in which will carry on the supply until after Memorial day.



# BEAUTIES AT THEIR BEST

A Large Supply Now in, \$4 to \$10 per 100.

**Roses** in all popular varieties, **Carnations**, **Lilium Longiflorum**, **Callas**, **Fancy Valley**, **Fancy Ferns**, **Galax**, **Leucothoe**, **Mexican Ivy**.

Wire Us for Prices on Large Quantities

## VAUGHAN & SPERRY

Long Distance Phone.  
Central 2571.

52-54 Wabash Ave., CHICAGO

The first peonies of the season at Kennicott Bros. arrived on April 18. E. E. Pieser says that in his 30 years' experience he has never known them so early, though some 12 or 13 years ago they came in on April 29. From May 1-5 is considered an early date, but this year they are from 10-15 days earlier than they were ever known before. The variety is the early red, *Officinalis*, and the flowers were cut very tight.

The J. B. Deamud Co. is handling good gladioli, including Augusta and Vaughan's new dark red seedling No. 203. The flowers are so good that they don't stay around the store, being ordered in advance and snapped up almost before the boxes are open. Emperor narcissus is in excellent form here, also lilac from Michigan and all cleans up well daily, though the prices are not as high as could be wished.

Zech & Mann have been handling a great line of Bride and Bridesmaid roses all the week. The flowers are perfect in color, the foliage good, and they say that the crop will last several weeks. All other stock here is in excellent shape and the out-of-town trade is reported good. Carnations are also a strong staple, the flowers being of fine color, large, and with extra good stems.

Among the stock at Wietor Bros., we noted some especially good Mrs. Jardine this week. This rose is rapidly improving in public favor and will be on hand from now on. Its only fault is that it flies open rather quickly in hot weather, and on this account should be cut tight. The long-stemmed Beauties at this store are also very attractive.

H. R. Hughes, of West Van Buren street, returned on Saturday from a very pleasant week's visit to Detroit. He made his headquarters at Breitmeyer's and says he was treated royally by all the Detroit brethren. Mr. Hughes is drilling the children for his May party, which he hopes to make quite an educational feature this year.

B. F. Rubel, of the Fleischman Floral Co., returned on Monday from a two weeks' vacation at French Lick. He is feeling better for the rest and says that business has been excellent during his absence and continues good. Orchids, long-stemmed gardenias and American Beauty roses are among the principal items in demand here.

The shipping trade this week at Peter Reinberg's has been extremely good and city trade is a little better than it was. The cooler weather has put all the stock in excellent condition

### "The Busiest House in Chicago"

**W**HY not send your orders for **Cut Flowers** to us? You save all further worry as you are assured of getting just what you want.

## J. B. DEAMUD CO.

51-53 Wabash Ave.,

CHICAGO

for shipping, the American Beauty and My Maryland roses and all varieties of carnations being among the strongest lines.

Geo. Reinberg is sending in fine *Cattleya Mossiae*, the flowers large and of good color. We have frequently advised leaving cattleyas to fully develop before cutting and are glad to note that the flowers coming to market from various growers show signs of this advice being taken.



The Deamud Bowling Trophy

Won by T. C. Yarnall for Best Average During the Season 1909-1910.

#### BOWLING.

The Carnations are champions of the Florists' bowling league which ended the season on April 14, by rolling the games of which the scores follow, the last of a series of 81. Carna-

tions, first; Violets, second; Orchids, third, and Roses, fourth, is the order. The team and individual prizes will be announced next week. In the competition for the Deamud cup, T. C. Yarnall was successful. There was a very large and enthusiastic crowd at this meeting and the enthusiasm became greater as the evening rolled on. On Thursday of this week a meeting will be held at J. Kruchten's store at which the prizes will be awarded and probably arrangements for the team to represent the city at the Rochester convention in August will be made.

#### First Game.

| Carnations. |     |     | Violets.    |           |     |
|-------------|-----|-----|-------------|-----------|-----|
| Farley      | 110 | 188 | 165         | Johnson   | 155 |
| Krauss      | 137 | 111 | 122         | Bergman   | 114 |
| Winterson   | 132 | 132 | 153         | Kruchten  | 145 |
| Pastern'k   | 135 | 127 | 132         | Lieberman | 141 |
| Ayres       | 147 | 162 | 179         | Yarnall   | 178 |
| 661 720 751 |     |     | 733 712 682 |           |     |
| Orchids.    |     |     | Roses.      |           |     |
| Huebner     | 139 | 207 | 174         | Goerlsch  | 130 |
| Graff       | 168 | 180 | 165         | Pieser    | 116 |
| Vogel       | 119 | 164 | 164         | Lorman    | 138 |
| Asmus       | 136 | 162 | 115         | Strauss   | 109 |
| J. Zech     | 151 | 183 | 148         | Wolf      | 156 |
| 713 896 766 |     |     | 649 737 635 |           |     |

#### Second Game.

| Carnations. |     |     | Violets.    |           |     |
|-------------|-----|-----|-------------|-----------|-----|
| Farley      | 121 | 139 | 131         | Johnson   | 169 |
| Krauss      | 167 | 142 | 151         | Bergman   | 120 |
| Winterson   | 133 | 182 | 145         | Kruchten  | 134 |
| Pastern'k   | 154 | 167 | 154         | Lieberman | 124 |
| Ayres       | 123 | 164 | 129         | Yarnall   | 137 |
| 693 794 710 |     |     | 684 775 764 |           |     |
| Orchids.    |     |     | Roses.      |           |     |
| Huebner     | 151 | 152 | 129         | Goerlsch  | 122 |
| Graff       | 152 | 150 | 166         | Pieser    | 148 |
| Vogel       | 120 | 132 | 165         | Lorman    | 109 |
| Asmus       | 146 | 109 | 154         | Strauss   | 113 |
| J. Zech     | 127 | 126 | 168         | Wolf      | 161 |
| 696 670 772 |     |     | 653 706 749 |           |     |







## American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

## Rice Brothers

Wholesale Florists and Supplies,

115 N. 6th St., MINNEAPOLIS, MINN.

Cut Flowers received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities.

## THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

## Weiland & Olinger

128 E. Third S., CINCINNATI, O.

Wholesale Growers and Shippers of Cut Flowers.

Boston.

MARKET IN BETTER CONDITION.

Business has been somewhat better this week and stock has fallen off a little in quantity. This makes a better combination for everybody. Sweet peas have shortened up considerably and the quality is much inferior to that of the past two weeks. They are selling very well and the growers clean up every morning at good prices. Roses are fairly plentiful, but the quality is decidedly off. It is difficult to get Killarney or Richmond with good heads and stems. The smaller grades are much better value in proportion than the larger ones. The prevailing fault seems to be that the roses are cut altogether too tight, and store men complain that they do not develop and open as they should. More often they droop over at the neck before they show any signs of opening. White Killarney is coming best of all at present. Beauties are fairly plentiful and of good quality; prices are down to the point where they are attractive to the buyers. Gardenias are plentiful and a good many are being used. They are off somewhat on quality. Some of the finest snapdragon of the season is coming in and it sells well. Iris is in good demand, but the supply is rather limited at present. A few gladioli have made their appearance and are picked up on sight. Mignonette is plentiful and selling well. Primroses are falling off a little. Easter lilies and callas are plentiful enough for all purposes, and on large lots can be bought quite cheap. Candidums are coming in in goodly numbers. Valley is in good demand and considerable stock is coming in. Orchids are still off a little. Carnations are not so plentiful and are selling well. There is plenty to meet all demands, but no great over-supply. On the whole the markets have been in much better shape throughout the week than during the preceding week or two. The plant trade is lively and there is considerable work going on with pansies, etc. Some fine hydrangeas and rambler roses are coming in.

## Grafted and Own Root Rose Plants

Killarney, Richmond, My Maryland, White Killarney, (Waban strain), Kaiserin, Bride and Bridesmaid  
—Send for Prices—

W. H. Elliott, Brighton, Mass.

## HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

## Wholesale Flower Markets

| BOSTON, April 20.     |             | Per 100 |
|-----------------------|-------------|---------|
| Roses, Beauty, best   | 25 00@30 00 |         |
| " " medium            | 15 00@20 00 |         |
| " " culls             | 5 00@10 00  |         |
| " " Bride, Bridesmaid | 1 00@4 00   |         |
| " " Extra             | 5 00@8 00   |         |
| Carnations            | 2 00@3 00   |         |
| selected              | 8 00@10 00  |         |
| Callas                | 35 00@50 00 |         |
| Cattleyas             | 8 00@10 00  |         |
| Lilium Longiflorum    | 2 00@3 00   |         |
| Lily of the Valley    | 12 00@16 00 |         |
| Smilax                |             |         |

| St. Louis, April 20.      |             | Per 100 |
|---------------------------|-------------|---------|
| Roses, Beauty, long stems | 12 00@15 00 |         |
| " " medium stems          | 6 00@10 00  |         |
| " " short stems           | 2 00@4 00   |         |
| " " Bride, Bridesmaid     | 3 00@6 00   |         |
| " " Killarney             | 3 00@6 00   |         |
| " " My Maryland           | 3 00@6 00   |         |
| " " Richmond              | 3 00@6 00   |         |
| Carnations                | 1 00@2 00   |         |
| fancy                     | 2 00@2 50   |         |
| Callas                    | 8 00@10 00  |         |
| Easter Lilies             | 6 00@10 00  |         |
| Jonquils                  | 1 50@2 00   |         |
| Sweet Peas                | 15 00@40 00 |         |
| Adiantum                  | 1 50        |         |
| Asparagus Sprengeri       | 2 00@3 00   |         |
| Smilax                    | 12 50@15 00 |         |

| CINCINNATI, April 20.         |             | Per 100 |
|-------------------------------|-------------|---------|
| Roses, Beauty                 | 1 00@4 00   |         |
| " " Bride, Bridesmaid         | 2 00@6 00   |         |
| " " Golden Gate               | 2 00@6 00   |         |
| " " Killarney                 | 2 00@6 00   |         |
| " " Richmond                  | 2 00@6 00   |         |
| Carnations                    | 1 00@3 00   |         |
| Callas                        | 10 00       |         |
| Daffodils, outdoor            | 50          |         |
| Daisies                       | 50          |         |
| Hyacinths, Miniature Dutch    | 4 00        |         |
| Lilium Longiflorum            | 12 50       |         |
| Lily of the Valley            | 3 00@4 00   |         |
| Narcissus, Paper White        | 3 00        |         |
| Sweet Peas                    | 50@75       |         |
| Tulips                        | 3 00@4 00   |         |
| Adiantum                      | 1 00@1 50   |         |
| Asparagus Sprengeri, per bch. | 25          |         |
| Smilax                        | 12 50@20 00 |         |

| MILWAUKEE, April 20.     |            | Per 100 |
|--------------------------|------------|---------|
| Roses, Beauty            | 6 00@40 00 |         |
| " " Bride, Bridesmaid    | 3 00@8 00  |         |
| " " Killarney            | 4 00@8 00  |         |
| " " Liberty, Chateaufort | 2 00@8 00  |         |
| " " Perle                | 3 00@6 00  |         |
| " " Richmond             | 4 00@8 00  |         |
| Carnations               | 1 00@3 00  |         |
| Lilium Giganteum         | 10 00      |         |
| Lily of the Valley       | 4 00       |         |
| " " Trumpet Major        | 3 00       |         |
| " " Von Sion             | 3 00       |         |
| Sweet Peas               | 50@1 00    |         |
| Tulips                   | 2 00@3 00  |         |
| Adiantum                 | 1 50       |         |
| Asparagus                | 50@60      |         |
| " " Plumosus, per bunch  | 50         |         |
| " " Sprengeri            | 35         |         |
| Ferns, Fancy             | 2 50       |         |

Yellow marguerites are coming in very heavy, as is usual at this season of the year. They are a popular flower and always sell well. Asparagus Sprengeri is coming in much more freely and is dragging a little at times.

### NOTES.

Peirce Bros. are bringing in the first of their dwarf gladioli. This firm is making them a specialty this season.

—THE—  
**J.M. McCullough's Sons Co.,**  
Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES  
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.  
Phone Main 584.

## H. G. BERNING,

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

## C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

## WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.  
Both L. D. Phones.  
Supplies and Everything in Season always on hand

## William Murphy,

Wholesale Commission

FLORIST

311 Main Street, CINCINNATI, OHIO.

and a house of the large varieties is almost ready for the market. They are all budded up well and showing color.

Welch Bros. are receiving heavy shipments of Beauties and gardenias these days, and report the trade on them to be very good. The prices are attractive enough to make the demand good.

Edgar Bros., of Waverly, will start the building of a new house early in May. It is to be 43x200 feet and used exclusively for sweet peas and mignonette.



# Roses

Our stock of Roses is hard to beat for quality. Our growers are in with heavy crop, and a large supply insures best selection. Our leaders are

PINK and WHITE KILLARNEY, MARYLAND.  
RICHMOND, KAISERIN.

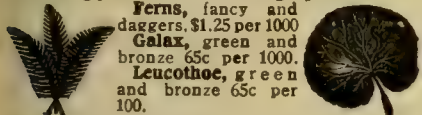
THE LEO NIESSEN CO., Business Hours: 7 a. m. to 8 p. m.  
Wholesale Florists, 1209 Arch Street, Philadelphia, Pa.

## Pittsburg Florists' Exchange

### Wholesale Cut Flowers

#### Everything Seasonable

Headquarters for Ferns, Galax, Leucothoe and Wild Smilax, and carry a large supply of the best on hand at all times. We quote the following interesting prices on small or large quantities.



Ferns, fancy and daggers, \$1.25 per 1000  
Galax, green and bronze 65c per 1000.  
Leucothoe, green and bronze 65c per 100.

Wild Smilax, large cases, \$4.50 per case.

15 Diamond Square, PITTSBURG, PA.

Mention the American Florist when writing

#### Philadelphia.

#### AN AVERAGE WEEK.

The business of the past week has been about up to the average of the season. Flowers are very plentiful, although the crops shortened up towards the last of the week. This was particularly true of sweet peas, which advanced in price from 75 cents to \$1 per 100 sprays. Two or three cool nights in succession, following a very warm spell, made the shipments light, and Saturday night found the boxes of the commission houses cleaner than since before Easter. American Beauties, the specials, grade up very well and there is a fair demand for good stock. Good white roses are also well cleaned up every day. Carnations move rather slowly, but good white sells as well as any. Easter lilies and callas are seen in quantity, the former selling at \$5 to \$6 per 100 and the callas at \$8. Violets are done for the season, Ed. Reid offering the last New York doubles on Tuesday last. Lilac from the south of us as far as Washington kept the demand supplied for last week and now it is in full bloom in local gardens, almost the earliest on record. Gardenias are plentiful with prices low; the supply of this flower, that is the large quantity offered the past winter, has made it very popular for personal adornment, and while many more were grown than ever before the increased demand made the returns very satisfactory to the growers.

A visit to Adolph Farenwald's at Hillside found everything in good order, not a foot of waste ground and all the houses either in or out of crop as the proprietor desired. A large house of Killarney roses was particularly attractive. There were 10 or 12 beds 200 feet in length so manipulated by the starting and pinching process that they were brought in when most in demand. Two beds, containing 1,000 plants each, produced for the 18 days around and including Christmas 25,000 flowers. Another set of beds were in full swing at Easter, and some others are now just in crop. All of these are growing under one roof, a ridge and furrow house. Killarney is Mr. Farenwald's favorite, for the reason that it figures most and best in the returns. The majority of the stock seen is two-year-old and some

#### OUR SUMMER CUT OF

## Beauties, Kaiserins, Killarneys

Is now on. This stock will please you.

McCALLUM CO., 937 Liberty Ave. Pittsburgh

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### Wholesale Florists and Growers,

The House that has and sells good goods at fair prices.

Salesrooms, 222 Oliver Ave. PITTSBURGH, PA.

Choice Assortment of CUT FLOWERS will be found here.

WRITE FOR PRICES.

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### WHOLESALE FLORISTS

Business Hours 7 a. m. to 8 p. m. 1619-1621 Ranstead St., PHILADELPHIA, PA.

Absolutely  
The Best Possible  
Service.

## Wholesale Flower Markets

PHILADELPHIA, April 20. Per 100

|                           |             |
|---------------------------|-------------|
| Roses, Beauty, extra..... | 20 00@25 00 |
| " first .....             | 10 00@15 00 |
| " Brides and Maids.....   | 4 00@ 6 00  |
| " Tea.....                | 4 00@ 6 00  |
| " extra .....             | 8 00@12 00  |
| Carnations.....           | 2 00@ 4 00  |
| Callas.....               | 8 00@10 00  |
| Cattleyas.....            | 50 00@75 00 |
| Daffodils.....            | 2 00@ 3 00  |
| Lilium Harrisii.....      | 5 00@ 8 00  |
| Lily of the Valley.....   | 3 00@ 4 00  |
| Mignonette.....           | 3 00@ 4 00  |
| Snapdragons.....          | 8 00@12 00  |
| Sweet Peas.....           | 75@ 1 00    |
| Adiantum.....             | 1 00@ 1 50  |
| Asparagus..... per bunch  | 50          |
| Smilax.....               | 15 00@20 00 |

PITTSBURGH, April 20. Per 100

|                                 |             |
|---------------------------------|-------------|
| Roses, Beauty, special.....     | 15 00@20 00 |
| " extra.....                    | 10 00@12 00 |
| " No. 1.....                    | 4 00@ 6 00  |
| " Bride, Bridesmaid .....       | 2 00@ 6 00  |
| " Chateau.....                  | 2 00@ 6 00  |
| " Killarney.....                | 2 00@ 6 00  |
| " My Maryland.....              | 2 00@ 6 00  |
| " Richmond.....                 | 2 00@ 6 00  |
| Carnations.....                 | 1 50@ 2 00  |
| Callas.....                     | 8 00        |
| Cattleyas.....                  | 50 00@60 00 |
| Daffodils.....                  | 1 00@ 3 00  |
| Gardenias.....                  | 35 00@50 00 |
| Lilac, white..... per bunch,    | 1 00@1 50   |
| Lilium Longiflorum.....         | 6 00@ 8 00  |
| Lily of the Valley.....         | 4 00        |
| Mignonette.....                 | 4 00        |
| Pansies.....                    | 1 00        |
| Primroses.....                  | 50@ 75      |
| Sweet Peas.....                 | 50          |
| Adiantum.....                   | 1 50        |
| Asparagus Sprengeri, per bunch, | 50          |
| " strings... per string,        | 50          |
| " sprays... per bunch,          | 50          |
| Smilax.....                     | 15 00       |

three, while a few four-year-old are also held in high estimation. Grafted plants show up well after the first season, own root stock being the best the first year. A large plant at the end of one of the beds in a row where its mates had died or were removed was

exceptionally strong and was pointed out as an example of what one plant could do if given the chance. This plant will produce 125 good flowers this season.

Mr. Farenwald says the custom of growers is to set the plants 10-15 inches apart in the rows, but he gives 18 and one foot between the rows. He thinks if he only had the nerve to give them 24 inches each way it would pay in the increased vigor of the plants. His My Maryland returned him the most money per square foot of bench space up to February 1, and was then passed by Killarney. Richmond is seen here in perfection, but is not as profitable as of yore. He believes this rose does best on its own roots, producing most in winter when the prices are highest. The figures for his Richmond specials have been better than for Beauties when offered in the same market. Another point is that in 100 Richmonds all were perfect blooms, while the same could not be said about Beauty. The borders about the ground beds in which the roses were grown were all cement, two to three inches in thickness, the 2-inch looking as strong as the other. When asked how much glass his place contained he said by New York measure 52,000 square feet, by the Philadelphia gage 65,000, but when measured by the Chicago rule it was 75,000. New York, he said, counted the square feet of ground covered, Philadelphia the glass in the roof, and in Chicago they counted in the glass in the sides of the house. Cort's fasteners for holding the iron stakes to the wires, running the length of the bed were, he considered, indispensable and were in use in all the houses.

New houses are still going up. The King Construction Co. is erecting two for Didden & Sons 30x200 feet.

K.



## New York.

## A SLIGHT IMPROVEMENT.

There was an improvement in the business of the past week. Though there was no marked advance in prices, there was, on account of cooler weather, less stock, and it moved better. While we are not in the habit of prophesying, it is a reasonable supposition that, for the next two months, business will be more encouraging. Judging by all precedents covering our recollection, there will, for some time to come, be a decrease in the supply of cut stock, and if so it will greatly benefit all branches of the trade. Along about Easter, stock came into this market that was given or thrown away, for the simple reason that it could not be sold. We trust that such a condition will never again be seen. The price of American Beauty roses pushed up a little during the past week. Twenty-five cents each is now the ruling price; a few very good ones sell for 30 cents, but these are not controlling figures. The shorter grades of tea roses seem to go better than the specials. The reason is that in a great city like this there is always an immense amount of funeral work. A feature of the market at present is the very low price of gardenias, and it would appear that this industry, like some other branches of the trade, is being overdone. Gardenias that were formerly sold for 75 cents and \$1 each were of a poorer quality than the flowers now being hawked about the streets of the city for 15 cents each. Four cents per flower is about the best that lilies bring, but it is hoped that there will soon be an improvement. It may have been the warm weather of March, or other reasons, but there are people in this wholesale district that would be glad to find an animal that would eat lilies at a profit.

## NOTES.

A meeting was held in the Grand Opera house building on the night of April 18 to consider the proposition for a plant and cut flower market under the Queensborough bridge. A petition was drawn up and received about 50 signatures, asking the city comptroller to take favorable action. It has been erroneously stated in a local journal that this was a special meeting of the Florists' Club. It was a meeting of interested parties, in which members of various organizations took part. As yet, nothing definite can be stated regarding the course that may be pursued.

The decorations at St. Bartholomew's church for the Gould-Drexel wedding, April 19, by Alexander McConnell, were largely in pink roses (Chatenay and Mrs. Jardine), callas and white daisies. The entire scheme was carried out in an artistic and becoming manner. The bridal bouquet was of moss roses and orange blossoms.

Burglars entered the store of Geo. Saltford, at 43 West Twenty-eighth street, April 18, but failed to open the safe there. In the private office they were more successful in their safe cracking, but only found a few pennies and a couple of boxes of cigars, the best of which they annexed; they also took \$300 from a desk.

Wm. E. Williams, a highly respected citizen of Brooklyn, died at his home, 766 Fulton street, on April 11. Mrs. H. C. Riedel, his daughter, is the wife of H. C. Riedel, foreman of A. J. Guttman's store, 34 West Twenty-eighth street. He was buried in Greenwood cemetery, Brooklyn.

F. C. Sheerer is now with the New York Cut Flower Co., selling the extensive products of the Carl Juergen's estate of Newport, R. I. Mr. Sheerer is making many friends in the trade.

# Surplus Stock

## LILIUM AURATUMS

8-9-in. (130 in a case) ..... \$ 4.50 per case

## LILIUM SPECIOSUM ALBUMS

8-9-in. (220 in a case) ..... \$13.00 per case

## CYCAS STEMS

3/8 lb. (300 lbs. to a case) ..... 16.50 per case

Prices f. o. b. New York. Sold only in case lots.  
Stock limited. Order at once.

## BAMBOO STAKES

Natural and green. Various sizes always on hand.

**Yokohama Nursery Co., Ltd.**  
31 Barclay St., NEW YORK

## Orange, N. J.

An announcement was made at the regular meeting of the New Jersey Floricultural Society at Lindsley hall, Main street, April 8, that Hitchings & Co., 1170 Broadway, New York, the greenhouse builders, had donated a silver cup to the society, valued at \$25. This will be competed for at the annual dahlia show which will be held the second Friday in October. There was a large attendance and many beautiful exhibits. Geo. Smith, of East Orange, gave a very interesting talk on the commercial florist. He said that a man can be a florist but he cannot always be a good gardener, and the man who does not love plants is not worthy of the name of gardener. The florist or gardener that finds out what he can do the best and makes a specialty on that point is the man that always has the greatest success. Lager & Hurrell, Summit, had a great display of orchids on exhibition which attracted a great deal of attention, and for which they received 99 points. Foliage and flowering plants, also roses, carnations and other flowers from private places were in competition for points.

A. C. Von Gaasbeck, John Dervan gardener, was awarded 90 points for roses; A. B. Jenkins, Albert F. Larson, gardener, 97 points for roses; S. M. and Austin Colgate, Wm. Reid, gardener, 75 points for roses; Thos. Edison, Frank Drew, gardener, 70 points for roses; Wm. Reid, 95 points for carnations; Chas. Hathaway, Max Schneider, gardener, 90 points for carnations; John Dervan, 85 points for carnations; 95 points for best flowering plant; Wm. Reid, 85 points for flowering plant; 90 points for foliage plant.

Cultural certificates were awarded to John Dervan for calceolarias and to Max Schneider for schizanthus and lilies. Chas. Ashmead was awarded a certificate of merit for lilies and campanulas; Wm. Reid, certificate of merit for calceolarias. Thomas Jones, Short Hills, showed wallflowers. Fritz Berglund, gardener at the Essex County country club, showed sweet peas. Chas. Mc. Taggart of New York was present at the meeting. W. R.

LYNDONVILLE, VT.—The weather here has been extremely cold, with snowstorms almost daily during the last week. Nothing is planted outdoors and trees cannot be lifted because of frost in the ground, but the weather the past few days has been more spring-like.

## AT LAST WEEK'S TEST

before the Nassau County  
Horticultural Society

# APHINE

Was pronounced by many  
experts to be the

## Most Effective Insecticide

on the market to-day for  
general greenhouse and  
outdoor use.

The demonstration again proved  
conclusively that **Aphine** will do  
all that is claimed for it.

## A Trial Will Convince You.

Send for descriptive circular;  
also name of nearest selling agent.

**Aphine Manufacturing Co.**  
MADISON, N. J.

BUFFALO, N. Y.—August J. Reichert was fined \$20 April 15 for violation of the child labor law, he having employed Joseph Packe, 13 years old, in his store.

SAN ANTONIO, TEX.—The weather April 16 was very cold here with a severe storm. P. D. Hauser says this has been the best season he has ever had in business, doing more from January to April than in any entire year heretofore, with larger profits. Mr. Hauser is planning to attend the S. A. F. convention at Rochester next August.



1887

Telephone 167 Madison Square.

1910

# J. K. ALLEN,

Wholesale Commission Florist,  
Established 1887.

106 West 28th Street,

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Open the year around to receive shipments of Cut Flowers.

Open Every Morning at 6 a. m.

Prompt Returns To Shippers

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WHOLESALE FLORISTS,

44 WEST 28th STREET.  
Phones, 798 and 799.

NEW YORK.

## Young & Nugent,

Telephone 2065-2066 Madison Square.

42 West 28th Street,  
To out-of-town florists  
We are in the Heart of

New York

And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

Give us a  
Trial  
We can  
Please you.Roses, Carnations and all kinds of  
Seasonable Flowers in Stock.WM. F. KASTING CO. Wholesale  
Commission Florists.  
BUFFALO, N. Y.  
Florists' Supplies and Wire Designs.

## August Millang

WHOLESALE FLORIST

41 W. 28th St., NEW YORK

## N.Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. &amp; W. 26th St., New York.

Open for Cut Flower Sales at 6  
o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

V. S. DORVAL, Secretary.

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WHOLESALE FLORIST,

55 W. 28th Street, NEW YORK.

All flowers in season. Consignments of first-  
class stock solicited.

Phones 4626 and 4627 Madison Square.

Yonkers, N. Y.

A very interesting meeting of the Horticultural Society was held in Wiggins hall April 15 with President Bennett in the chair and about 40 members present. Six new members were admitted and a number of applications received. The executive committee reported on the June show, saying prizes had been donated for all the classes, also three specials, one of them being \$25 by the Yonkers Nursery Co.,

## Wholesale Flower Markets

NEW YORK, April 20.

|                                     |             |
|-------------------------------------|-------------|
| Roses, Beauty, special.....         | 15 00@25 00 |
| "    "    fancy.....                | 10 00@15 00 |
| "    "    No. 1.....                | 6 00@ 8 00  |
| "    "    No. 2.....                | 1 00@ 3 00  |
| "    "    Bride, Maid, special..... | 3 00@ 5 00  |
| "    "    extra and fancy.....      | 1 00@ 2 00  |
| "    "    Killarney, special.....   | 6 00@ 8 00  |
| "    "    extra and fancy.....      | 3 00@ 5 00  |
| "    "    No. 1 and No. 2.....      | 50@ 1 00    |
| "    "    My Maryland.....          | 2 00@ 8 00  |
| "    "    Richmond.....             | 1 00@12 00  |
| Carnations.....                     | 50@ 2 00    |
| Callas.....per doz.,                | 75@ 1 00    |
| Cattleyas.....                      | 25 00@60 00 |
| Gardenias.....per doz.,             | 75@ 2 50    |
| Lilium Longiflorum.....             | 2 00@ 4 00  |
| Lily of the Valley.....             | 1 00@ 3 00  |
| Mignonette.....per doz.,            | 20@ 50      |
| Sweet Peas.....per doz, bunches     | 35@ 75      |

BUFFALO, April 20.

|                                       |             |
|---------------------------------------|-------------|
| Roses, Beauty, special.....           | 20 00@25 00 |
| "    "    fancy.....                  | 15 00@20 00 |
| "    "    extra.....                  | 10 00@15 00 |
| "    "    Bride, Maid, Killarney..... | 8 00@10 00  |
| Carnations.....                       | 1 50@ 3 00  |
| Callas.....                           | 8 00@12 00  |
| Daffodils.....                        | 1 00@ 2 00  |
| Daisies.....                          | 1 00@ 2 00  |
| Jonquils.....                         | 1 50@ 2 00  |
| Lilium Longiflorum.....               | 8 00@10 00  |
| Lily of the Valley.....               | 3 00@ 4 00  |
| Mignonette.....                       | 1 00@ 3 00  |
| Sweet Peas.....                       | 50@ 1 00    |
| Tulips.....                           | 1 00@ 2 50  |
| Violets.....                          | 40@ 60      |
| Adiantum Croweanum.....               | 1 25@ 1 50  |
| Asparagus Str.....                    | 50@ 60      |
| Ferns.....                            | 2 00        |
| Galax.....                            | 1 50        |
| Smilax.....                           | 15 00       |

## FORD BROS.,

Receivers and Shippers of

Fresh Flowers

48 West 28th St., NEW YORK.

Telephone 3870-3871 Madison Square.

to be used as the society thought best. The schedule was submitted and read of the fall show and after some discussion was adopted, there being 65 classes in all. The prizes offered by Vice-President Cochran and Louis Melilot were very keenly contested for and the judges decided in the following manner: H. Nichols first for a vase of antirrhinum; J. Goff second for Pandanus Veitchi; H. Scott

## Alexander J. Guttman,

THE WHOLESALE FLORIST OF NEW YORK

34 WEST 28th STREET,

PHONES, 1664-1665 MADISON SQUARE

ENOUGH SAID.

## Trade Directory

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PRICE \$3.00, POSTPAID.

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## Moore, Hentz & Nash,

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Telephone No. 756  
Madison Square.

NEW YORK.

## HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty. Roses,  
Violets, Carnations, Valley, Lilies, Etc.

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—FLOWERS SHIPPED BY—

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Are the best product of the best growers  
for the New York market.

Adiantum Croweanum sold here exclusively.

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Telephone 1998 Madison Square.

## KESSLER BROS.

50 W. 28th St., NEW YORK.

CUT FLOWERS

Wholesale Plantsmen and Florists.

Phone 2336 Madison Shipments Everywhere.  
Prompt and satisfactory. Consignments solicited.

third for a vase of Hydrangea Otaska. The judges were W. H. Waite, E. Berger and W. Shepard.

L. W.



ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

## "Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the horticultural traders; it is also taken by over 1000 of the best continental houses.

Annual subscription, to cover cost of postage, 75c. As the H. A. is a purely trade medium, applicants should, with the subscription, send a copy of their catalog or other evidence that they belong to the nursery or seed trade.

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## WHOLESALE PRICE LIST

**GALAX, FERNS AND LEUCOTHOE**  
 Direct from the woods to the dealer.

Per 1000  
 Galax green and bronze..... \$0.50  
 Ferns, dagger and fancy..... 1.00  
 Green Leucothoe Sprays, regular lengths... 2.00  
 Green Leucothoe Sprays, 10 to 15 in..... 1.00  
 Special prices on lots of 100,000 and up.  
 Terms strictly cash, f. o. b. Elk Park, N. C.  
**North Carolina Evergreen Co., Banners Elk, N. C.**

Mention the American Florist when writing

## George Cotsonas & Co.

Wholesale and Retail Dealers  
 in all kinds of  
**Evergreen**

Fancy and Dagger  
 Ferns, Bronze and  
 Green Galax,  
 Phone 1202 Mad. Sq.

Main Store, 50 W. 28th St., NEW YORK.  
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## New Crop Ferns

**FANCY and DAGGER ready May 1st.**  
 Special price for large orders  
 Price \$1.25 per 1000.

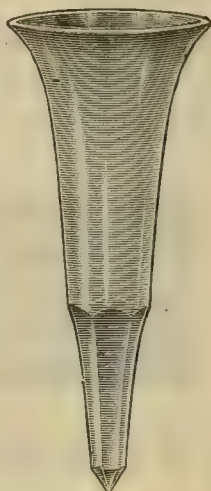
**CALDWELL THE WOODSMAN CO.,**  
**Evergreen, Alabama**  
 Mention the American Florist when writing

### Boston Notes.

One of the largest growers of gardenias in New York recently sent a man over to this city and shipped him quantities of these flowers every day to dispose of amongst the trade. After flooding the city for a week, the agent returned to New York far from pleased at the gardenia trade here. He did not choose an opportune time or he might have fared much better.

The salesmen of the Bayersdorfer Co., of Philadelphia, have been in the city for the past week. They displayed a very attractive line of metal designs and Memorial day novelties, and booked several very good orders. They report trade as being very brisk in their lines.

The whole of the park systems are a treat to see at this time. Forsythia in full flower is to be seen everywhere. Everything seems to be unusually forward, owing to the spell of warm weather recently. Several beds of tulips are to be seen in full flower, and fruit trees are much more forward than is usual for the time of year.



# Clara Cemetery Vase

**MADE OF SOLID MOULDED GLASS**

12 inches high, with wide flaring mouth.  
 Can be supplied in green or white.  
 Doz., \$2.50; barrel of 3 doz., \$6.00,  
 f. o. b. Chicago.

## Vaughan's Seed Store,

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**NEW YORK:**

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FANCY



DAGGER

## New Crop Hardy Cut Ferns

First Quality, \$1.40 per M.

ALSO DEALERS IN

## Baled Spruce for Cemetery Use

BOUQUET GREEN, SPHAGNUM MOSS, Etc.

**L. B. BRAGUE & SON,**

Oldest, Largest and  
 Most Reliable Dealers  
 in the United States.

**Hinsdale, Mass.**



FANCY.

## Henry M. Robinson & Co.

Wholesale Commission Florists.

### Cut Flowers

of all kinds, Hardy Cut Evergreens and Florists' Supplies.

Dagger and Fancy Ferns..... \$1.50 per 1000  
 Bronze and Green Galax..... \$1.00 per 1000; 8.50 per 10 000  
 Leucothoe Sprays..... \$1.00 per 100; \$7.50 per 1000

Southern Wild Smilax, Branch Laurel, Laurel Festooning,  
 Green and Sphagnum Moss, Boxwood Sprays,

A large stock constantly on hand. Can fill orders at a moment's notice, Telephone or telegraph.

Telephones: 2617-2618 Main; Fort Hill 25290.  
 15 Province Street and 9 Chapman Place,

**BOSTON, MASS.**



## FANCY FERNS, \$2.00 per 1000

New Crop Galax, Bronze or Green..... \$1.25 per 1000; 12.00, \$7.00  
 Sphagnum Moss, large bales..... \$1.25; 6 bales, \$7.00. Extra fine  
 Leucothoe Sprays, Green and Bronze..... \$1.00 per 100; \$7.50 per 1000  
 Boxwood..... per bunch, 35c; 50-pound case, \$8.50

Florists in the Middle and Western States can save money  
 by placing their orders with us. A trial order solicited.

## MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists and Florists' Supplies,

38-40 Broadway,

All phone connections.

**DETROIT, MICH**

### Perpetuated and Natural Sheet

## MOSSSES

Southern Wild Smilax:

**E. A. BEAVEN,**

**Evergreen, Ala.**

Mention the American Florist when writing

MINNEAPOLIS, MINN.—A guarantee fund of \$15,000 has been subscribed and there will be \$4,000 in premiums at the flower show next November. This was announced at a meeting of the florists at the Commercial club recently.

R.



# DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

**Alexander McConnell,**

571 Fifth Ave., Windsor Arcade,  
NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL.  
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Cleveland, O.

**The Cleveland Cut Flower Co.**

Will fill your orders for designs and cut flowers in  
NORTHERN OHIO.

Dayton, O.

**Matthews,**

—FLORIST—

16 W. 3rd Street.

Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones

St. Paul, Minn.

**HOLM & OLSON,  
ST. PAUL.**

THE LEADING FLORISTS OF THE NORTHWEST  
Orders will be well cared for anywhere in MINNESOTA AND THE DAKOTAS.

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**J. W. Wolfskill,  
FLORIST,**

Telegraph Orders  
A Specialty, 218 W. 4th St.

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**L. L. MAY & CO.**

Order your flowers for delivery  
in this section from the

Leading Florists of the Northwest

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**J. B. BOLAND**

Successor to Sievers and Boland  
**FLORIST**

60 KEARNEY STREET.

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**Atlanta Floral Co.**

41 Peachtree Street.

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**H. L. BLIND & BROS.,**

Two Stores: Liberty Av. & 5th St., 5424 Center Av.  
Greenhouses: West View.

New York.

Established 1874.

**DARDS**

N. E. Corner 44th St.  
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.



FROM NEW YORK EXCEPT AS NOTED.

April 26.

Ryndam, Holl.-Amer., 10 a. m., Hoboken Pier.  
Kronprinzessin Cecilie, N. Ger. Lloyd, 10 a. m., Hoboken Pier.  
FROM BOSTON, Megantic, White Star, 12 noon.

April 27.

Campania, Cunard, 9 a. m., Piers 54 and 56, North River.  
Breslau, N. Ger. Lloyd, 2 p. m., Hoboken Pier.

April 28.

Ultima, Cunard, 12 noon, Piers 54 and 56, North River.  
La Bretagne, French, 10 a. m., Pier 42, North River.  
Cincinnati, Ham.-Amer., 11 a. m., Hoboken Pier.  
FROM BOSTON, Numidian, Allan, 11 a. m.

April 29.

FROM ST. JOHN, Victorian, Allan.

April 30.

Columbia, Anchor, 11 a. m., Pier 64, North River.  
Perugia, Anchor, Pier 64, North River.  
St. Paul, American, 10 a. m., Pier 62, North River.  
Chicago, French, 10 a. m., Pier 42, North River.  
Florida, French, Pier 84, North River.  
Kroonland, Red Star, 11 a. m., Pier 59, North River.  
Amerika, Ham.-Amer., 10 a. m., Hoboken Pier.  
FROM PHILADELPHIA, Friesland, American, 10 a. m., Pier 64.

New Orleans.

M. Cook, wife and daughter, Miss Mabel Cook, will sail for Europe the last week in May, destination, Greenstadt, Rhin, Bavaria, Germany, where they go to visit Mr. Cook's sister, Mrs. J. B. Karber. They expect to remain until the latter part of August.

Henry Rehm and wife will sail for Germany, April 27, from New York.

Detroit, Mich.

**John Breitmeyer's Sons**

Corner Miami and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Kansas City, Mo.

Geo. M. Kellogg Flower and Plant Co.,  
906 GRAND AVE.

KANSAS CITY and PLEASANT HILL, MO.  
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

Terre Haute, Ind.

**John G. Heint & Son,**

129 South Seventh St.

Telephone 247.

We are in position to fill promptly all mail, telephone, telegraph and cable orders with quality stock in season.

Pittsburg, Pa.

**A. W. SMITH CO.**

KEENAN BLDG.

Largest Floral Establishment in America  
Established 1874. Incorporated 1909.

Rochester, N. Y.

**J.B. KELLER SONS,**

FLORISTS.

25 Clinton Avenue, N.

Rochester Phone 506. Long Dis. Bell Phone 3183

**M. A. Rowe**

IN HEART OF NEW YORK CITY

Phone 2270 38th St. 1294 Broadway  
Our Motto—THE GOLDEN RULE

Kansas City, Mo.

**Samuel Murray**

..... FLORIST .....

1017 Broadway Coates House  
Both Phones 2670 Main. Conservatory

Write, Telephone or Telegraph. All orders given prompt attention.

Louisville, Ky.

Established 1880.

**M. D. REIMERS**

'Successor to Chas. W. Reimers'

.....329 Fourth Avenue



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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place,

L. D. Phone 558 Lake View.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Chicago.

HAUSWIRTH FLORIST

Auditorium Annex.

Mail, Telegraph or Telephone Orders Filled Promptly in Best Style.

Cincinnati, O.

JULIUS BAER,

138-140 E. Fourth St.  
Long Distance Phone.

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838—  
CANAL ST.

Savannah, Ga.

JOHN WOLF,

Wholesale and Retail  
FLORIST.Kalamazoo and  
Battle Creek, Mich.

H. A. FISHER CO.

Wholesale and Retail Florists.

We Handle Everything in Season.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper  
care of your orders in Wisconsin.

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

Washington,  
D. C.

14th and H Streets.

Blackstone

Also

1601 Eutaw Place,

Baltimore, Md.

Madison, N. J.

Rose night with the Morris County Gardeners' and Florists' Society was held April 13. It was not represented this year by any novelties, though we had hoped to have Radiance here to see if her countenance contrasted favorably with standard varieties. L. A. Noe had American Beauty, Bride, Bridesmaid and Killarney, all of which were shown in the pink of perfection. Joseph F. Ruzicka, the grower, was on hand and ready to answer any questions, cultural or otherwise. A cultural certificate was awarded. Another notable exhibit was from C. A. Work, Wm. Mühl-michel, grower, including My Maryland and Richmond. These were especially well grown and secured for the exhibitor a cultural certificate. H. B. Vyse, of the A. R. Whitney estate, Glimpsewood, had a beautiful batch of Hydrangea hortensis in 5-inch pots, single stem. Mr. Vyse starts his cuttings for these in May, and after the wood is fully ripened in fall he cuts them down, takes a lateral shoot near the base and allows it to flower in a rose temperature, after being duly rested. This way is quite unusual, but very successful with him, as was fully demonstrated.

In view of the grand inter-society show to be held in Morristown, November 2, 3 and 4, the next meeting will be given over to the rose growers to arrange the rose section of the final schedule, so that it will, as nearly as possible, be arranged to the satisfaction of all. Everything looks very bright for a grand fall show. The prizes are invitingly large, and the Whippany River club house is all that could be desired in the way of a show hall. There is lots of room and it is easy of access. Herbert Littlewood was elected to membership. Ernest Wise, foreman in the park greenhouses of the H. McK. Twombly estate, under Robt. Tyson, has resigned his position to accept one with a wider field in Thomasville, Ga. The best wishes of the club go with him. He still retains his membership. There is a warm feeling of goodfellowship in this society—for no less than nine members residing in as many different states retain their active membership. E. R.

Rochester, N. Y.

At a meeting of the Florists' Association, April 11, it was unanimously decided to support the Wilkie bill now pending before the legislature. This bill carries with it an appropriation of \$50,000 to provide adequate greenhouse facilities for work in floriculture at the Cornell University college of agriculture.

Charles Vick, superintendent of the S. A. F. exhibition, reported that space in the hall was going rapidly and that probably the galleries and basement would have to be utilized.

Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave  
Greenhouses: Short Hills, N. J.

—Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY

Mention the American Florist when writing

New York.

MYER, FLORIST,

609-611 Madison Ave.

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Bertermann Bros. Co.  
FLORISTS

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Washington, D. C.

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

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**WILLIAM L. ROCK,**  
Flower Co.,

Will carefully execute orders for  
Kansas City and any town in

Missouri, Kansas or Oklahoma.

Mention the American Florist when writing

St. Louis, Mo.,

Write, Wire or Phone Your Orders to

**YOUNGS**

1406 Olive Street,

Regular discount allowed on all orders, either  
Plants or Cut Flowers.

Phones Bell, Main 2306, Kinloch, Central 4981

Mention the American Florist when writing

New York.

Established 1849

**David Clarke's Sons**

FLORAL DECORATORS

2139-2141 Broadway

Telephones:  
1552-1553 Columbus.

Choice Cut Flowers

Lansing, Mich.

**Gurdon B. Smith**

Covers all Points in Michigan. Best of  
Shipping Facilities in all Directions.  
Always has the best of Everything.

Anderson, S. C.

**THE ANDERSON FLORAL CO.**

533 MARSHALL AVE.

Joliet, Ill.

The stock at the J. D. Thompson Carnation Co. never looked better than at present, and P. M. Peterson, the firm's capable and enthusiastic grower, is to be congratulated on its elegant condition. The young carnations are still being shipped and there are large quantities in the best of order. Chrysanthemums, too, are in fine shape, clean and healthy. Mr. Peterson is cutting back and planting up quite a little stock of carnations for early fall work. The stock prepared for early field planting is first class in every way and the whole place is very neat and clean.

Albert C. Rott, though his store has been somewhat overshadowed by building operations, causing pedestrians to take the other side of the street, reports trade as fine, and we found him busy with funeral and other work. When the new stores are finished, he will reap the advantage, for they will be among the finest in the city.

At the Chicago Carnation Co.'s greenhouses the novelties, Sangamo and Mary Tolman, are still flowering freely. Both are great producers and the color of Mary Tolman is exquisite. All the popular kinds are grown here in quantity and heavy cuts of all varieties are in progress.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

**DANIELS & FISHER**

Order by mail, telephone, telegraph or  
cable. Cable address "Daniels, Denver"

Toronto, Can.

Canada's best known and most reliable florist

**Only the Best Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee  
safe arrival.

St. Louis.

TRADE CONTINUES DULL.

The weather has been rainy all week, windy and cold. Trade has been very dull and carnations have been sent daily to the rubbish pile, the public not being anxious to buy even at 10 cents per dozen. The more conservative west end florists have their usual amount of business. Weddings, receptions and funerals have given them a little to do, but things in general are dull. The cold weather has kept the plant men guessing as to planting-out time. The absence of outdoor flowers ought to help the market. Long-stemmed American Beauty roses have been very plentiful and good stock was sold at \$2 per dozen.

NOTES.

Ostertag Bros. have introduced a novelty in the retail business here. They have furnished a suite of rooms above their store on Jefferson and Washington avenues, with what they term their house of flowers. They have table, mantle and wedding decorations and canopies, all in artificial flowers and the customers can choose from these designs what they desire in fresh flowers. There is also a separate room for funeral designs. Henry stated that they had received several visitors, the local papers having given the innovation quite a send-off.

The Florists' Club held its monthly meeting last Thursday, 19 members being present, with President Geo. Windler in the chair. Owing to the plant men being busy many were unable to attend. De Wever's bulletin has not yet appeared, but it is expected some action will be taken on it at the next meeting. Fred Ammann, in a few touching remarks, made a motion that the club extend its sympathy to the bereaved family of the late Mrs. Vesey, of Fort Wayne, Ind.

Arthur E. Beyer, formerly with W. J. Palmer & Son, of Buffalo, for 17 years, is now in charge of Grimm & Gorly's down-town store and is also buyer, being seen at the market daily.

A. C. Canfield, of Springfield, Ill., is shipping some fine long-stemmed American Beauty roses to this market. Some of the finest lily of the valley and carnations from Henry Baer, Peoria, Ill., is seen at C. A. Kuehn's.

The Eggeling Floral Co. furnished a 9-foot gates ajar for a funeral last week in East St. Louis.

Park Commissioner Scanlan is providing roller skating places in the parks for the children.

Louis Geiger now has full charge of Grimm & Gorly's Cass avenue store.

A. J. Meyer is now bookkeeper at C. A. Kuehn's.

W. F.

New York.

**A. J. Bunyard**  
FLORAL CO.

We Guarantee Satisfaction

413 Madison Ave. cor. 48th St.



Albany, N. Y.

**EYRES,**

Flowers or Design Work.

Delivered in Albany and Vicinity on  
Telegraphic Order.

11 NORTH PEARL STREET.

Boston, Mass.

Send flower orders for delivery in

**Boston and all  
New England Points**

To THOS. F. GALVIN, Inc.,  
124 TREMONT ST.

THE J. M. GASSER COMPANY,

**CLEVELAND, O.**

We Cover All Points in Ohio.

Buffalo, N. Y.

**Palmer's** Flowers  
"Quality"

W. J. Palmer & Son.

304 Main St.

Louisville, Ky.

**JACOB SCHULZ,**

550 So. Fourth Avenue.

Colorado Springs, Colo.

**FRANK F. CRUMP,**

Wholesale and Retail Florist.

MICHIGAN.

Orders will be carefully  
cared for by

**HENRY SMITH,**

Wholesale and Retail Florist of GRAND RAPIDS

**GEO. A. HEINL,** Leading Florist,  
TOLEDO, OHIO.

All Orders Promptly Executed.



## The Seed Trade.

### American Seed Trade Association.

J. C. Robinson, Waterloo, Neb., Pres.; M. H. Duryea, New York, First Vice-Pres.; F. W. Bolgiano, Washington, D.C., Second Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.; Leonard H. Vaughan, Chicago, Asst. Sec'y. Twenty-eighth annual convention, at Atlantic City, N. J. June 21, 1910.

**DUNKIRK, N. Y.**—The Dunkirk Seed Co. reports the largest business in its history.

THE demand for seed corn both early and late has been good and many stocks are about exhausted.

AN important illustrated article on the "Diseases of Roman Hyacinths" will be found on page 620, this issue.

**DETROIT, MICH.**—D. M. Ferry & Co.'s travelers' annual meeting and banquet was held April 6, there being 110 present.

**WINDSOR, ONT.**—The seed warehouse of D. M. Ferry & Co., which burned here recently, was insured in seven companies for a total of \$25,000.

**ERFURT, GERMANY, APRIL 1.**—Ernst Benary announces that Ernst Benary, Jr., son of Frederick Benary and Heinrich Benary, son of John Benary, have been admitted to the firm.

THE death of the Rev. D. S. Heffron, who raised the Early Rose potato, and other horticultural productions, is recorded in our obituary columns this week. He resided at Washington Heights, near Chicago.

**YOST SLUIS** and P. 'Sluis, of Sluis Bros., Enkhuizen, Holland, arrived at New York April 16 and will call on the seed trade in the United States and Canada. They were in Chicago April 20, enroute to the coast.

**G. C. ELDERING**, of W. J. Eldering & Son, Overveen, Holland, writing April 11, says: "Dutch bulbs show good growth afield. The flowers, however, are rather uneven and somewhat off in color on account of continued frosts." Mr. Eldering will start for the United States about May 1.

## Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

**SAN JOSE, CALIF.**

**Pieters-Wheeler Seed Company**

HOLLISTER, CAL.

Growers of High Grade Seeds

Onion, Lettuce, Radish, Sweet Peas, Etc.

CORRESPONDENCE SOLICITED.

THE pure seed bill which passed the Maryland house and senate was vetoed by the governor April 13, after he had decided to sign it. It is said he was not opposed to the provisions of the bill, but that there were some technical points, presumably regarding the authorship, which it seems caused him to veto it.

### French Bulbs.

Special cable advice from Marseilles indicates that at the meeting of the syndicate on April 16, the growers' price for "run of the crop" on the following kinds was fixed at the prices here stated in francs:

Roman hyacinths 11 ctms. and up 80. Narcissus P. W. G. 12 ctms. and up 18.

This means that jobbers in the district will demand for White Romans, 12 to 15 ctms., about 82 to 85 francs and for Narcissus Paper White Grandiflorus a price of from 20 to 25 francs.

### Another Pernicious Bill Pending.

H. R. 23252, now before congress (committee on agriculture in the house) provides for importation of nursery stock into this country by permit only and requires that a United States officer inspect all lots so imported at destination regardless of state inspection, that he have 10 days to make such inspection, and that the secretary of agriculture may extend the operation of the law to all seeds and bulbs.

This is another of the drastic laws put forward at the instigation of and by employes or by authority of the Department of Agriculture and should be opposed by every commercial nurseryman, seedsman and florist in the country.

### California Seed Crops.

Never in the writer's seed growing experience have all of the ranches been in such excellent condition. We have had something over 14½ inches of rain this season, which is sufficient to make a crop. The rain has fallen gradually, so that he ground has absorbed all of the water, which has been a great benefit to all growing crops. The hoeing of the crops will be completed on all the seed ranches, those of other growers in this section as well as our own, within the next two weeks, and if nothing unforeseen occurs, we will harvest a good crop.

## Peas AND Beans

Alfred J. Brown Seed Co.,

Growers for the Wholesale Trade.

GRAND RAPIDS,

MICH.

On our Menlo Park ranch, we have a field of lettuce of various varieties over 2½ miles in length and from one-fourth to one-half mile wide, where we have a magnificent stand. It certainly would be a great sight for any seed dealer to inspect this field of lettuce.

All varieties of onion are looking excellent. The critical time for this crop, however, is when the seed is in the dough, at which time, if we have hot winds, the yield might be injured to some extent; but, from present prospects, everything is in a most promising condition, the season having been ideal.

The radish crop is better than it has been for many years. Our beet crops are looking excellent, also salsify, kale, mustard, celery, carrot, and the various other crops we are growing on an extensive scale are in fine condition.

We hope that many seedsmen can arrange to pay us a visit this year and look over the crops, not only on our ranches, but those of other growers as well, as this is the season above all others to make such a trip.

CHAS. P. BRASLAN.

San Jose, April 11.

### Catalogues Received.

Vaughan's Seed Store, Chicago and New York, seeds and plants; E. G. Hill Co., Richmond, Ind., roses, carnations, chrysanthemums and miscellaneous plants; H. E. Fiske Seed Co., Boston, Mass., seeds; W. Atlee Burpee & Co., Philadelphia, Pa., wholesale list for market gardeners and florists; Elmer D. Smith & Co., Adrian, Mich., chrysanthemums; Northrup, King & Co., Minneapolis, Minn., seeds; Vick & Hill Co., Rochester, N. Y., aster seed; Heller Bros. Co., New Castle, Ind., roses; Ellwanger & Barry, Rochester, N. Y., nursery stock; Young's Seed Store, St. Louis, Mo., garden book; W. W. Barnard Co., Chicago, seeds; Wm. Toole & Sons, Baraboo, Wis., pansy seeds and miscellaneous plants; Glick's Seed Farms, Lancaster, Pa., seeds; Archias' Seed Store, Sedalia, Mo., seeds; Cannon Floral Co., Hamilton, Ont., Can., nursery stock; Martin Kohankle, Painesville, O., nursery stock; S. S. Pen-nock-Meehan Co., Philadelphia, Pa., display vases; Jacob Kaufmann Co., Seattle, Wash., seeds; McGregor Bros. Co., Springfield, O., seeds; Geo. S. Woodruff, Independence, Ia., gladiolus; F. H. DeWitt & Co., Wooster, O., geraniums.

Weigelt & Co., Erfurt, Germany, seeds; Theo. Oswald Weigel, Leipzig, Germany, botanical books; E. Neubert, Wandsbek, Germany, plants; Nonne & Hoepker, Ahrensburg, Germany, seeds; Max Cornacker, Wehrden on the Weser, seeds; J. Lambert & Sons, Trier, Germany, seeds.

Dobbie & Co., Rothesay, Scotland, seeds; Friedr. C. Pomrencke, Altona-Hamburg, Germany, seeds; Anatole Cordonnier & Fils, Bailleul, France, chrysanthemums; Ottolander & Hoftman, Boskoop, Holland, nursery stock; Koolbergen & Slidrecht, Boskoop, Holland, nursery stock.

### Imports.

Imports for the week ending April 9 were received at New York as follows:

H. Frank Darrow, 63 packages seed, 12 cases trees and shrubs, 3 cases plants.

Hussa & Co., 40 tubs laurel trees.

P. Henderson, 25 bags seed.

C. Abel & Co., 25 cases bulbs.







Mention the American Florist when writing

High-class Seeds, Bulbs, Plants, Shrubs and Nursery Stock.

## "BUDS"

CARL R. GLOECKNER, President,  
76 Barclay St., NEW YORK CITY

### COLD STORAGE LILY OF THE VALLEY PIPS

\$12.50 per 1000 in cases of 2000 only  
Finest German, not Dutch grown. Ready now.

#### For Fall Delivery 1910

Our own imports from Japan.

|                                          | Per 1000 |
|------------------------------------------|----------|
| Lilium Longiflorum Multiflorum, 7.9..... | \$50 00  |
| " " Giganteum, 7.9.....                  | 65 10    |
| " " Formosum, 7.9.....                   | 65 00    |
| F. O. B. New York.                       |          |

## VAN ZANTEN BROTHERS

Royal Netherland Bulb Nurseries  
and Export Trade.

HILLEGOM, HOLLAND,

Wholesale growers of the leading sort of  
Hyacinths, Tulips, Narcissus, Crocus,  
Spreas, Gladiolus, Peonies, etc., etc.

Write our traveler, MR. G. HYLKEMA, care of  
Messrs. Maltus & Ware, 14 Stone St., New York  
for Catalogue and Special prices of all

## HOLLAND BULBS AND PLANTS

Mention the American Florist when writing

Fruit Auction Co., 6 cases trees and shrubs.

Wm. Elliott & Son, 9 cases trees and shrubs, 5 cases plants.

McHutchison & Co., 2 cases trees, 13 cases plants.

Wadley & Smythe, 142 tubs laurel trees, 10 cases trees and shrubs, one case plants.

A. Rolker & Sons, 15 cases plants.

Julius Roehrs Co., 70 cases trees and shrubs, 220 tubs laurel trees, one case bulbs.

Vaughans Seed Store, 24 cases trees, 350 tubs, one case laurel trees.

P. Ouwerkerk, 148 packages trees and shrubs.

Yokohama Nursery Co., 15 cases roots.

H. Waterer, 13 cases trees.

To others: 563 bags seed; 179 packages, 596 cases, 520 tubs trees and shrubs; 333 cases, 14 packages, one box plants; one case bulbs, four cases trees, 10 boxes lily bulbs.

## 7-Top Turnip Seed

Advance orders now taken for choice grades of

### Seven-Top Dixie Frost King Prize Taker

Now in full bloom on Bloomsdale Farm.

Contract price, \$200 per 1000 pounds.

Plants from this seed of hardy northern breed, very superior to the less hardy southern type, stand any amount of snow and ice without injury. The seed will be harvested about the 20th of June and ready for shipment about the 1st of July.

### D. LANDRETH SEED COMPANY

Also KALE—Dwarf German, \$20 per 100 lbs.  
Siberian .. 18 per 100 lbs.

Bristol, Penna.

## Rush Orders

Flower Seeds,  
Market Garden and Field Seeds.  
All kinds of Tender and Hardy Plants.  
Tuberose, Dahlias, Gladioli,  
Small Fruits,

### RUSH ORDERS

James Vick's Sons  
ROCHESTER, N. Y.



### SEASONABLE

#### SEEDS

For The  
FLORIST.

H. E. FISKE SEED CO.,  
Boston, Mass.

## CAULIFLOWER SEED CABBAGE SEED

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.  
Logangstraede 20, COPENHAGEN, DENMARK

Mention the American Florist when writing

## The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip,  
Radish, Beet, Etc.

Branches: Michigan and Wisconsin. **MILFORD, CONN.**

Mention the American Florist when writing

**Don't Forget** To give us a trial on Asters, Mignonette, Begonia Veron, Cineraria, Primula Chinensis, Primula Obconica, Salvia Bonfire and Splendens, Verbena, Cyclamen and Pansy Seed. The two latter items ready July and August. We handle none but the highest quality strains. Katalog for the asking.



**SKIDELSKY & IRWIN CO.,**  
1215 Betz Bldg.,  
PHILADELPHIA, PA.

## BURPEE'S SEEDS PHILADELPHIA

Wholesale Price List for Florists  
and Market Gardeners.

Mention the American Florist when writing

## S. M. Isbell & Co.,

Jackson, Mich.

**CONTRACT SEED GROWERS,**  
Bean, Cucumber, Tomato, Pea, Muskmelon,  
Squash, Watermelon, Radish, Sweet Corn.  
Correspondence solicited.

Mention the American Florist when writing

## Waldo Rohnert

GILROY, CAL.

### Wholesale Seed Grower

Specialties: Lettuce, Onion, Sweet Peas, Aster,  
Cosmos, Mignonette, Verbena, in variety.  
Correspondence solicited.

Mention the American Florist when writing

## SEEDS

OF ALL KINDS APPLY TO  
**W. W. JOHNSON & SON, Limited,**  
Boston, England.

Mention the American Florist when writing

ONE-HALF CAR OF

## Calla Bulbs

Ready end of July.

Write for prices.

Berrydale Experiment Gardens, Holland, Mich.

Mention the American Florist when writing

## W. J. Eldering & Son,

Wholesale Bulb Growers and Dealers.

OVERVEEN. HAARLEM, HOLLAND.

Headquarters for High Grade Hyacinths, Tulips  
and Narcissi. We do not sell at Retail. Write  
for special quotations on large quantities.

Address our G. C. Eldering, care Hotel Seville,  
Madison Ave. and 29th St., New York.

## JOHN BODGER & SONS CO. Gardena, Calif.

Wholesale Growers of Sweet Peas,  
Tomatoes, Lima Beans, Lettuce, Asters,  
Cosmos and other Flower Seeds.

## Pape & Bergmann,

Quedlinburg, Germany.

Elite Seeds of Flowers and Vegetables.

Specialties: Stock Pansies, Cyclamen, etc.,  
Cactus Dahlias, Bulbs. General Catalogue Free



## Market Gardeners

### Greenhouse Vegetable Growers and Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President;  
Franklin DeKleine, Grand Rapids, Mich.,  
Vice President; S. W. Severance, 508 Illi-  
nois Life Building, Louisville, Ky., Secre-  
tary; M. L. Ruetenik, Cleveland, O., Treas.

### Grapes for Forcing.

ED. AMERICAN FLORIST:—

I will thank you for advice as to the best grapes for forcing, also for some of the best cultural methods.

#### BEGINNER.

The best grapes for forcing are Black Hamburg, Alicante, Madresfield Court, Gros Guillaume, Duke of Buccleugh, Alnwick Seedling, Muscat of Alexandria, Foster's Seedling, Buckland Sweetwater and Lady Downe's Seedling. To be successful in growing grapes, too much importance cannot be attached to the formation of the border. I prefer inside borders exclusively, as the grower has them absolutely under his control, giving him every opportunity to feed the roots and also withhold water when necessary.

To construct such a border I would recommend excavating to a depth of three feet, sloping the bottom to any one point, from which a line of drain tile must be laid to carry off all surplus water. Cement the sides and bottom of the excavation to prevent the roots getting out into cold, unsuitable soil and also to keep water from surrounding land from getting in. After the cement is dry place carefully over the surface of the bottom from 10-12 inches of broken stone to give free drainage. Then over these place a layer of sods taken from an old pasture, laying them carefully grass down, and over these sprinkle a good coat of half-inch bones and also some soot, and a liberal layer of old lime plaster taken from some torn-down building, then another layer of sods and so on, layer by layer, until the border is completed.

When this compost has settled plant one-year-old canes five feet apart and prune back the cane, leaving only three or four eyes, and when these start rub off all except the strongest one, which will grow and form the fruiting cane. This cane, the following season, cut back to within five feet of ground, if proper treatment has been given, will carry handsome bunches without injury, and the following year more bunches, according to its strength, until the fourth year, when a full crop may be ripened.

In forcing grapes a low temperature, from 50° to 55° at night, must be maintained, allowing a rise of 5° by day when artificial heat is necessary. Sun heat of from 75° to 85° with slight ventilation until the buds show signs of growth, when a rise of from 5° to 10° may be given. Syringe the rods three times a day until growth appears, then night and morning only, keeping a moist atmosphere in the house at all times except when vines are in bloom, when a drier and

more buoyant atmosphere must be maintained until the fruit is set. Then continue with syringing and abundant moisture until the grapes are ripening, when syringing of the vines must be stopped, only sprinkling the border and paths on sunny days.

The border should have a copious watering with clear, lukewarm water when heat is first introduced, repeating the dose for three days in succession in order that every portion of the border may get a thorough watering. When the fruits are set and bunches thinned at every alternate watering liquid barnyard manure may be given until the grapes show signs of coloring, when feeding must cease and a free circulation of air kept in the house night and day to assist the grapes to finish properly. As the grapes ripen only water the border to prevent the wilting and shriveling of the berries.

JOHN ASH.

### Success in Market Gardening.\*

The first and subsequent editions of this excellent little book were from the pen of the late W. W. Rawson, of Arlington, Mass., and achieved a great success. The present volume is by Herbert Rawson, his son, who has brought it up to date, by means of notes and memoranda made by his father, who had the work in hand before his death, supplemented by his own large experience, for, as he says, in his preface, "Like my father, I have been brought up in the business of market gardening, and can say, as he said, 'my father followed it before me.'"

In revising this excellent work for those who are not acquainted with it, one hardly knows where to begin. Every page in the book is crowded with facts of great interest and value to the market gardener or would-be market gardener, put forth in a clear cut, trenchant way that makes them easily understood by all. All through the work technical knowledge and practical instructions go hand in hand. Not only is the grower told to do certain things, he is told the easiest way to do them and why they are necessary, yet it is all done in as few words as possible. A busy man can look up a certain crop and can see at a glance the most salient points in its culture. He does not have to wade through a thick shell of indigestible matter to get at the kernel. The kernel is there and it is all meat. The chapters on location and soils, irrigation and rotation of crops should be carefully read by those who are thinking of embarking in the business for many mistakes may be thereby avoided. Another very useful chapter is that devoted to vegetables raised for market, in which are described the most suitable varieties of all kinds most generally grown and many others that are coming into use as market varieties. Manures, implements and other requisites have full attention and the chapters referring to insects and preventives are excellent. In short, there is not a dull or heavy chapter in the book, but each is replete with the best information. It is finely illustrated with cuts that tell what they are intended to, well printed in clear type and a most invaluable little work. The price is only \$1.10.

\*We can supply any books here noted on receipt of price quoted.

## VEGETABLE PLANTS

|                                                                                                     | Per 100 | 1000   |
|-----------------------------------------------------------------------------------------------------|---------|--------|
| Beet Plants .....                                                                                   | \$0 20  | \$1 25 |
| Egg Plants .....                                                                                    | 40      | 2 00   |
| Pepper Plants, Bull Nose, Sweet Mountain and Ruby King.....                                         | 40      | 2 00   |
| Tomatoes, small plants, Earliana, Early Jewel Dwarf Stone and Champion, Ponderosa and Matchless.... | 30      | 2 00   |
| Tomatoes, small plants, Stone Paragon and Favorite and Success....                                  | 20      | 1 00   |
| Cabbage, full list of leading varieties, 10,000 and over.....                                       | 20      | 1 00   |
| Lettuce, Grand Rapids, Big Boston, Boston Market and Tennis Ball...                                 | 20      | 1 00   |
| — Cash with order. —                                                                                |         |        |

R. VINCENT, Jr. & SONS CO., White Marsh, Md.

## Now Ready...

To ship a very large stock of **Early Cabbage** and **Tomatoes** of the best leading varieties at \$1.25 per 1000; honest count. **Sweet Potato Plants** ready May 25 at \$1.50 per 1000. **Celery** ready May 15, three varieties.

S. J. McMICHAEL,

142 Larkins St., P. O. Box 473, FINDLAY, O.

## Wanted

Contracts to grow all kinds of Vegetable Plants, transplanted or not. Also Geraniums, Coleus, Cannas, Salvias, Verbenas, Pansies, etc., for spring delivery. All stock only. Correspondence solicited.

Alonzo J. Bryan, Wholesale Florist, Washington, New Jersey.



Watch for our Trade Mark stamped on every brick of Lambert's

### Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

### Market Gardeners' Ass'n of Monroe Co.

The market gardeners of Irondequoit have formed an organization known as the Market Gardeners' Association, of Monroe County (New York), and have agreed to rent stalls in the market here at the same price as last year or not at all. There has been a rumor that the market commission intends to raise the rent or at least sell the stalls at auction and the gardeners object to this, claiming that they are now paying a fair rental.

The officers of the association (which will be permanent) are: Geo. M. Keller, Brighton, president; Geo. West, Irondequoit, vice-president; A. J. Warren, secretary; John H. Anderson, treasurer.

### Prices of Indoor Fruits and Vegetables.

New York, April 16.—Mushrooms, 45 cents to 70 cents per pound; cucumbers, \$1 to \$1.50 per dozen; lettuce, 75 cents per dozen heads; tomatoes, 35 cents per pound; radishes, 3 cents per bunch; mint, 75 cents per dozen bunches; grapes, Gros Colman, 80 cents per pound. Cauliflower, (cold frame), \$3.50 per dozen heads.

Chicago, April 20.—Mushrooms, 20 cents to 40 cents per pound; cucumbers, \$1.25 to \$1.50 per dozen; leaf lettuce, 20-28 cents per box; head lettuce, Louisiana, \$1-\$1.75 per hamper; radishes, 35-40 cents per dozen; grapes, Gros Colman, 90 cents to \$1 per pound.

WILSON, N. Y.—R. S. Church is building a new greenhouse twice as large as his present one.

WOBURN, MASS.—S. S. Hovey has sold out to M. J. Aylward & Sons who will continue the business under the firm name of "Aylward, the Florist."





**Vaughan's**  
**Lilium Harrisii.**

**1911 Both Plants and Bulbs Carefully Selected.**

While we do not claim that our Harrisii are absolutely free from disease, or that every bulb will produce a perfect plant, we do claim that our growers' efforts in the way of spraying and roguing are producing results, our stock now being freer from disease than ever before and of genuine Harrisii type. In fact, the best general crop grown on the island of Bermuda.

**Vaughan's Seed Store**  
CHICAGO. NEW YORK.

#### Montreal.

Easter was this year the best on record. The prices were the highest ever experienced and this, it is claimed by some, had a lot to do with it, and that, contrary to the usual, some stock was left over on Easter Sunday morning. Others say that everyone was overstocked, but all agree that the business done, figured out in dollars and cents, was by far the best Easter. Lilies were poor and did not sell as well as usual. Azaleas sold well, also all roses in pots. Lilacs sold fairly well, and there was not an overabundance of bulbous plants, as usual; and these, owing to the moderate prices, sold quickly. In cut flowers violets and lily of the valley took the preference over roses and carnations; although most florists were heavily stocked, very little was left over. On the other hand, there was no sign of emptiness, nor were there any places closed for lack of something to sell.

#### NOTES.

At the meeting of the Gardeners' and Florists' Club last Monday night we had two essays, one by Alec Wilkie on mushrooms and the other by S. Viel on hotbeds. James Kean, of Mount Bruno Floral Co. exhibited a splendid lot of My Maryland and Richmond roses. For the former he was given a certificate of merit.

At McKenna's, who occupied an extra store in addition to their already large one, all were very busy. Their lilies and expensive made up baskets, which are specialties of theirs, made quick sales.

## Are You Aware

### THAT OUR 1910 DIRECTORY

OF FLORISTS  
SEEDSMEN AND  
NURSERMEN

Contains Approximately

## 1,500 NEW NAMES IN ITS 570 PAGES

**Price \$3.00 Postpaid.**

Every name is keyed to show the branches of the business in which each individual or concern is engaged, with greenhouse area and acreage of land.

**AMERICAN FLORIST CO.,**  
324 Dearborn St., Chicago.

S. S. Bain welcomed with a smiling face customer and visitor alike. His stock consisted of a splendid variety, all his own growing. He expressed entire satisfaction with the amount of trade.

Hall & Robinson had a fine show of roses in pots of all the different varie-

ties; their azaleas and lilacs sold well.

A. C. Wilshire is satisfied that trade takes a move up Sherbrooke street.

Wilshire Bros. had the largest sales of any holiday.

Chas. Derynck sold an immense lot of plants.

LUCK.



## The Nursery Trade

American Association of Nurserymen.

F. H. Stannard, Ottawa, Kans., President;  
W. P. Stark, Louisiana, Mo., Vice-President;  
John Hall, Rochester, N. Y., Sec'y.

Thirty-fifth annual convention to be held  
at Denver, Colo., June 8-10, 1910.

WEST CONCORD, N. H.—The Concord Water Works are preparing a tract of land for a pine seedling nursery.

GRAND FORKS, N. D.—The park board has decided to use the Riverside property as a nursery to raise trees for park purposes.

TYLER, TEX.—The East Texas Nursery Co., of this city, has been incorporated with a capital stock of \$50,000. The incorporators are: E. W. Mims, C. C. Crews, J. M. Mims and others.

THE administrations responsible for the appointment of John McLaren and J. G. Morley as superintendents of Golden Gate park, San Francisco, and the city parks, Los Angeles, respectively, having been deposed, those positions are now vacant.

PORTLAND, ORE.—The Wind River nursery has been established near here on the Columbia river by the forest service and it is intended to grow 1,000,000 forest tree seedlings here this season. The capacity will be increased later and many millions of forest trees will be grown annually. This is the only nursery of its kind in the Pacific northwest and nothing will be grown but forest trees.

### Another Pernicious Bill Pending.

H. R. 23252, now before congress (committee on agriculture in the house) provides for importation of nursery stock into this country by permit only and requires that a United States officer inspect all lots so imported at destination regardless of state inspection, that he have 10 days to make such inspection, and that the secretary of agriculture may extend the operation of the law to all seeds and bulbs.

This is another of the drastic laws put forward at the instigation of and by employes or by authority of the Department of Agriculture and should be opposed by every commercial nurseryman, seedsman and florist in the country.

### Three Beautiful Spiræas.

*Spiræa Aruncus* is one of the finest hardy herbaceous plants, growing three feet and upwards in height, bearing graceful spikes of snowy inflorescence, and producing a splendid effect in summer when in good condition. It is a plant for every garden. *Spiræa ulmaria flore-pleno*, the common meadow-sweet, has flowers not unlike miniature white bachelors' buttons, in loose heads, on stems varying from 2½ to 3½ feet in height. It is a stately border plant, and it is somewhat surprising that it has not become a more general favorite. We rarely see it even in good collections of hardy plants. For gardens where the soil is cold and heavy this plant is invaluable. It succeeds best in good retentive soils, but will grow well in any

# Bobbink & Atkins

RUTHERFORD, N. J.

**World's Choicest Nursery Stock** Such as Evergreens, Shade and Ornamental Trees, Shrubs Vines, Trained, Dwarf and Standard Fruit Trees, Grape Vines, and other Small Fruits, Herbaceous Plants and a general variety of Spring Bulbs.

**Boxwood==Bay Trees** and all other decorative plants, such as Dracenas, Aucubas, Palms, Etc.

Inspection of our Nursery invited, and convince yourself that we have the Stock. Only 9 miles from New York City.

## STOCK FOR FLORISTS

**ROSES for Forcing**—Hybrid Perpetuals and Ramblers, all the best ones; fine, strong stuff. Clematis, Ampelopsis, Tree Hydrangeas and Lilacs, Shrubs, Vines and Perennials. Write for prices.

**PALMS**—Kentias in 2½-inch pots, \$8.00 per 100; \$75.00 per 1000.

**JACKSON & PERKINS CO., Newark (near Rochester), New York**  
Nurserymen and Florists. Wholesale only. Use printed stationery.

## ROSES Our Leading Specialty

Also Azaleas, Rhododendrons, Conifers, Fancy Clipped Boxwoods, Forest and Fruit Trees, Hedge Plants, Etc.

Ask for Wholesale Price Lists.

**S. A. VOSTERS & SONS, RIEL, HOLLAND.**

## Phoenix Nursery Company

Nurserymen and Florists  
BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for spring issued Feb. 1st.

ordinary border, and it looks well either associated with the shrubs or brought forward to the front of the border behind the lower growing kinds of herbaceous plants. In pots for a conservatory it is very useful. If for early forcing the plants should be taken from the reserve ground about January, potting them in any good compost, and placing them in a cool house to start them into gentle growth. They can afterwards be introduced to a higher temperature, where they can be brought into flower without being drawn. For blooming during the summer months the plants should be potted any time during early spring, and placed either in a greenhouse, cold frame, or plunged outdoors.

Propagation can only be effected by division of the plants, as the flowers do not produce seeds. The best time for dividing the clumps is in spring just before the plants commence growth. A good piece of ground should be selected for the purpose, and if in partial shade so much the better. After planting out the divisions give the bed a good watering, which should be attended to occasionally afterwards if the weather be dry. No further attention is necessary except cutting off the flower stems that may appear, as this will cause the young plants to make stronger crowns. The variegated meadow-sweet is also a very ornamental plant, and deserves more attention both as a border plant and for conservatory purposes.

The double-flowered dropwort, *Spiræa filipendula flore-pleno*, is a very

## Jacs Smits & Co., NAARDEN, (Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleyas.

Price List Free on Demand.

## JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture

old-fashioned garden plant, and may often be met with in old cottage gardens in its best condition. The value of this plant seems to be better known than that of *S. ulmaria fl.-pl.*, for it is grown both in pots and borders, displaying its beautiful trusses of delicate blooms freely. It is much dwarfier than the meadow-sweet, attaining a height of from 15 inches to 18 inches only. The flowers, which are somewhat larger than those of the preceding, are faintly tipped with red, a character more noticeable in plants that are grown outdoors. This is tuberous-rooted, and dividing the plant should be attended to in spring, when every tuber will grow and make a plant.—Journal of Horticulture.

### Nut Notes.

The Proceedings of the Albany convention is a neat pamphlet giving the addresses, reports and other matters of interest regarding this important meeting of the National Nut Growers Association. Copies can be obtained from the secretary at Poulan, Ga.

We have little idea in this country to what extent nuts are consumed in foreign countries, says the Philadel-



## Extremes Meet

MINIMUM COST — MAXIMUM QUALITY

This is demonstrated fully in our 1910 catalogue of **PERENNIALS** and other **HARDY PLANTS** which we grow exclusively by the acre.

Free For The Asking.

**Palisades Nurseries, Inc.,**  
**SPARKILL, N. Y.**

Mention the American Florist when writing

## LARGE TREES

OAKS and MAPLES  
Pines and Hemlocks

**ANDORRA NURSERIES,**

Wm. Warner Harper, Prop.  
Chestnut Hill, PHILA., PA.

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**PAINESVILLE NURSERIES.**  
CATALOGUES AND PRICE LISTS  
FREE ON APPLICATION.....

**PAINESVILLE, OHIO.**

## Arbor Vitæ

(*Thuja Occidentalis.*)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.  
Write for descriptions and prices.

**The Wm. H. Moon Co.,**  
**MORRISVILLE, PA.**

## DAHLIAS

Jack Rose and other best Cut Flower varieties. Write for list and prices.

**PEACOCK DAHLIA FARMS**

Williamstown Junction, N. J.

**Eugene Pitou, Jr.** **CIVIL ENGINEER and**  
**Landscape Architect.**

Phone Barclay 6084—229 Broadway, New York  
Designs, Estimates, Construction of Grounds.

phia Record. We try to teach other nations that Indian corn is an excellent article of diet, but most of the European peasantry still believe that maize was created for the live stock. These people will sit down to a dish of steamed chestnuts with much relish, and are content if they have nothing more.

The dream of every father is to lay up something for his children that they may enjoy after he is gone. Now here is one thing he can lay up. A pecan grove is better than stocks or bonds.

"No wood will be more difficult to replace when the approaching shortage, in the supply of hard woods overtakes us than the hickory," one of the foresters in the employ of the government recently said. The truth of this statement is not realized by any one more than the practical men of the various trades whose future prosperity is measured by the available supply.

# Roses! Roses!

We offer for immediate delivery the following Roses on own roots, dormant, field-grown plants, first-class in every way:

|                            |           |
|----------------------------|-----------|
| 1000 Helen Gould, Balduin, | 12 cents. |
| 300 Pink Baby Ramblers,    | 12 cents. |
| 500 Newport Fairy, - -     | 12 cents. |
| 1000 Dorothy Perkins, - -  | 12 cents. |
| 2000 Tausendschon, - -     | 20 cents. |

Also a limited number of dormant, field-grown plants, own roots of the following Roses at 12 cents each; **Sweetheart, Trier, Lady Gay, La Flamma, Taurus Blumchen, Debutante, Hlawatha.**

**Clematis** Paniculata, field-grown, 1 yr. 5 cents.  
**Clematis** Paniculata, field-grown, 2 yr. 8 cents.  
**Hydrangea** Paniculata Grandiflora, 18 to 24 in. 6 cents.  
**Hydrangea** Paniculata Grandiflora, 2 to 3 ft 9 cents.  
**Viburnum** Plicatum, 2 to 3 ft. ....12 cents.  
**Chinese Sacred Lilies**, \$3.00 per 100; \$25.00 per 1000.

**Guide To Rose Culture** As a work of reference, this book is almost indispensable and was produced at a cost of \$10,000. FREE to all who ask for it. Write to-day.

**The DINGEE & CONARD CO.,** West Grove, Pa.

# Hardy Field-Grown Roses

We offer a fine stock of the following Roses, viz.:

## HYBRID PERPETUALS

Per doz. Per 100

|                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|
| Ulrich Brunner, Paul Neyron, Gen. Jacqueminot, Magna Charta, Mrs. John Laing, Baroness Rothschild, and other assorted varieties in less quantities, like Mme. Gabrielle Luizet, Marshall P. Wilder, Anna de Diesbach, Baron de Bonstettin, Prince Camille de Rohan, Alfred Colomb, Gen. Washington, Princess Bearn, Rugosa Rubra, Rugosa Alba, Blanche Moreau (White Moss), Chapeau de Napoleon (Pink Moss), Persian Yellow, etc. | \$2.00 | \$13.50 |
| Frau Karl Druschki, Capt. Hayward, Hugh Dickson, and Mrs. R. G. Sharman-Crawford                                                                                                                                                                                                                                                                                                                                                  | 2.25   | 16.00   |

## HYBRID TEAS

|                                                                                                                                                                                |      |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|
| White Killarney                                                                                                                                                                | 3.50 | 25.00 |
| Killarney (pink), Gruss an Teplitz, La France, Maman Cochet, White Maman Cochet, Lady Mary Fitzwilliam, Hermosa, Etoile de France, Mme. Abel Chatenay, Mme. Jules Grolez, etc. | 2.50 | 18.00 |

## CLIMBING

|                                     |      |       |
|-------------------------------------|------|-------|
| Tausendschon and Lady Gay           | 3.00 | 20.00 |
| Dorothy Perkins and Crimson Rambler | 2.25 | 15.00 |

**F. R. PIERSON CO.,** Tarrytown-on-Hudson, N. Y.

# A BLUE ROSE

**The Greatest  
Rose Novelty  
of the Century**

*It flowered with us this season and was greatly admired.*

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

*Send for description and price.*

**ELLWANGER & BARRY**

Mount Hope Nurseries

ROCHESTER, N. Y.

**Send Advt. Early for Best Service.**





DELPHINIUM BELLADONA.

## Buffalo.

A special meeting of the Florists' Club was held at Kasting's hall, April 12, at which it was decided to hold a flower show in the fall. It is proposed to make this one of the greatest and most up-to-date shows this city has ever had. A most able committee has been appointed to arrange all the details, and a report is expected at the next regular meeting, May 3. At that meeting Chas. Guenther will read a paper on "Summer Roses," and it is expected that Geo. McClure, Jr., will be prepared with criticisms on the paper recently read by E. A. Slattery on "Color Harmony."

A special arrangement of daffodils sent to a reception last week in a very elaborate basket was unfortunately received by the maid. Not appreciating the value of the basket and the florist's artistic work, she proceeded to arrange them herself. She took the daffodils, which were in water, together with asparagus, lilacs, etc., separated them, put them in small glasses and consigned the gold basket and vases under the sink. You can imagine the hostess when it was discovered. The maid is a wiser girl now.

## Davenport, Ia.

## TRADE GOOD.

Business has been very good the past week with barely enough stock to meet the demand. Funeral work has been very heavy. Plant business has picked up, but a check has been put on the business today (April 17) by the fall of two inches of snow. Never in the memory of the oldest inhabitant have we had such an early

# Dreer's Hardy Delphiniums

**Belladonna.** The freest flowering of all the Delphiniums and the most valuable for cutting, its beautiful turquoise-blue flowers appeal to all who see it. Plant these early and you will have a continuous display of bloom from June until freezing weather. We offer an exceptionally fine lot of extra heavy one-year-old plants, \$2.00 per dozen; \$15.00 per 100; \$125.00 per 1000.

**Dreer's Gold Medal Hybrids.** Unquestionably the finest strain of mixed hybrids ever brought together, being seedlings of one of the best named collections and containing some wonderful varieties. Strong one-year-old plants, \$1.25 per dozen; \$8.00 per 100; \$75.00 per 1000.

**Formosum.** A splendid strain of this popular favorite dark blue variety, 85 cents per dozen; \$6.00 per 100; \$50.00 per 100.

**Chinese Blue and White.** 75 cents per dozen; \$5.00 per 100.

## CHOICE NAMED HYBRID VARIETIES.

**Alfred Henderson.** Bold, massive spikes of semi-double rosy-lavender flowers, 2 inches across, white eye, 20 cents each; \$2.00 per dozen; \$15.00 per 1000.

**Beatrice Kelway.** Deep, rich blue with a conspicuous yellow eye, flowers 2 inches across and perfectly arranged, 20 cents each; \$2.00 per dozen; \$15.00 per 100.

**Cerberus.** Sapphire with black brown centre, a handsome spike, 35 cents each; \$3.50 per doz.

**Chinese Cineraria.** (Spurless Hardy Larkspur) The large flowers without a spur, strikingly resembles a fine rich sky-blue Cineraria, 20 cents each; \$2.00 per dozen; \$15.00 per 100.

**Duke of Connaught.** Rich, Oxford-blue with distinct bold white eye; fine large flowers, 25 cents each; \$2.50 per dozen; \$20.00 per 100.

**J. C. Jenkins.** Very large, semi-double bright mauve edged with royal blue and white eye, 25 cents each; \$2.50 per dozen; \$20.00 per 100.

**King of Delphiniums.** Most vigorous growing, immense size, semi-double, rich deep blue with large white eye, 25 cents each; \$2.50 per dozen; \$20.00 per 100.

**Lizzie.** Lovely azure-blue flowers, 2 inches across, bold, creamy-yellow eye, arranged in bold massive stems, 25 cents each; \$2.50 per dozen; \$20.00 per 100.

**Lemartin.** Similar in growth and habit to Belladonna, but with rich Gentian-blue flowers with white center, 25 cents each; \$2.50 per dozen; \$20.00 per 100.

**Mrs. Creighton.** Semi-double, outer petals deep sky-blue, center rich plum with black eye, 25 cents each; \$2.50 per dozen; \$20.00 per 100.

**Persimmon.** Comparatively new; beautiful delicate turquoise-blue, 50 cents each; \$5.00 per dozen.

**White Seedlings.** These have been carefully selected and will be found desirable in any collection, 30 cents each; \$3.00 per dozen.

For the most complete list of Hardy Perennial Plants offered in America see our current Wholesale List.

## Henry A. Dreer, Inc.

714 Chestnut St., PHILADELPHIA, PA.

The above prices are intended for the trade only.

### A ROSE FOR EVERY GREENHOUSE

#### GRAFTED ROSES

**White Killarney, My Maryland, Pink Killarney, Richmond.**

Rose pots ..... \$15.00 per 100  
3½-inch pots ..... 18.00 per 100

**Bride, Bridesmaid, Golden Gate, La France, Kaiserin.**

Rose pots ..... \$10.00 per 100  
3½-inch pots ..... 15.00 per 100

#### OWN ROOT ROSES

**White Killarney, My Maryland, Richmond, Pink Killarney, American Beauty.**

3-inch pots ..... \$9.00 per 100  
4-inch pots ..... 12.00 per 100

**Bride, Bridesmaids, Perle, Sunrise, Golden Gate, Chateaufort, Kaiserin.**

3-inch pots ..... \$7.00 per 100  
4-inch pots ..... 10.00 per 100

We will have large quantities of **White Killarney and American Beauty** Rose plants of the best quality for spring delivery. **Verbena and Coleus** Cuttings and Plants ready for shipment.

—Send for Circulars—

**J. L. DILLON,**

**Bloomsburg, Pa.**

spring, being just 30 days ahead of the usual.

The regular monthly meeting of the Tri-City Florists' Club was held on the evening of April 14, at the home of Henry Gaethje, Sr., of south Rock Island, with nearly every member present. Installation of the newly elected officers took place, Uncle John Temple being the installing officer. The auditing committee reported the books of the treasurer and financial secretary correct, with all bills paid, and a good sum in the treasury. One new member was elected to membership. The topic of the evening, a seasonable one, was greenhouse and bench construction. Ludwig Stapp spoke on "Modern Greenhouse Construction," and Henry Pauli gave a very interesting and instructive talk on "Cement Benches and Their Construction," also his success with crops on the same. Wm. Knees extended an invitation to the club to meet with

him on the second Thursday of May, which was accepted, after which the members enjoyed a fine luncheon and social time.

#### NOTES.

Ludwig Stapp's place was found in the usual apple-pie order, and everything ready for a large spring business. Ludwig is building two new rose houses, 30x300 feet, and is well along with the work of construction. He has already finished one of the finest brick boiler houses in the state, and is at present sinking a well.

Henry Pauli has bought the old Campbell place, lately conducted by Wm. Behring. Mr. Behring retiring from business about June 1. Mr. Pauli will conduct both places.

A snowstorm and cold wave has put a crimp in the plant trade and stopped the planting out of carnations which has been going on at some of the places in dead earnest. T. E.



# Vaughan's Special Offer

## BOSTON FERNS

|                                                                           | Each            | Doz.            | 100     |
|---------------------------------------------------------------------------|-----------------|-----------------|---------|
| 6-in. pots.....                                                           | \$ 75           | \$8 00          | \$60 00 |
| 7-in. pots.....                                                           | 1 00            | 10 00           | 75 00   |
| 8-in. pots.....                                                           | 1 25            | 14 00           | 100 00  |
| Per 100 1000                                                              |                 |                 |         |
| Asp. Sprengeri, 2½-in.....                                                | \$ 3 01         | \$ 5 00         |         |
| 3-in.....                                                                 | 5 00            | 45 00           |         |
| 4-in.....                                                                 | 10 00           |                 |         |
| Aucuba, Japonica variegated.....                                          | Each            | Doz.            |         |
| 18-in. high.....                                                          | \$ 55           | \$5 00          |         |
| 24 to 30-in. high.....                                                    | 1 50            | 15 00           |         |
| Aucuba, Japonica type.....                                                |                 |                 |         |
| 18-in. high.....                                                          | 1 00            | 10 00           |         |
| Crimson Ramblers, 2 years old, 2 to 3 feet, well branched, own roots..... | \$2.00 per doz. | \$15.00 per 100 |         |
| 2 years old, 2 to 3 feet, well branched budded.....                       | 2.00 per doz.   | 15.00 per 100   |         |
| 3 years old, 3 to 5 feet, well branched budded.....                       | 3.00 per doz.   | 18.00 per 100   |         |
| 4-inch pots.....                                                          |                 | 10.00 per 100   |         |
| Tausendschon. Per doz. Per 100                                            |                 |                 |         |
| 2-yr. old, dormant grafted plants.....                                    | \$3.50          | \$25.00         |         |
| Crimson Baby Ramblers, 3-years budded.....                                | \$2 50 per doz. | \$16.00 per 100 |         |

## CROTONS

| We offer a choice collection of fancy sorts, well colored. |        |         |         |
|------------------------------------------------------------|--------|---------|---------|
|                                                            | Each   | Doz.    | 100     |
| 3-in. pots.....                                            | \$0 20 | \$2 00  |         |
| 4-in. pots.....                                            | 35     | 3 50    |         |
| 5-in. pots.....                                            | 50     | 6 00    |         |
| 6-in. pots.....                                            | 1 00   | 10 00   |         |
| Each Doz. 100                                              |        |         |         |
| Azalca Mollis, 15 to 20 buds.....                          | \$0 50 | \$5 00  | \$40 00 |
| 40 to 50 buds.....                                         | 1 00   | 10 00   |         |
| Doz. 100                                                   |        |         |         |
| Bush Box Trees, 15-18-in. high.....                        | \$4 00 |         |         |
| 20-24-in. high.....                                        | 8 00   |         |         |
| Ampelopsis Veltheim, 2 yr.....                             | 1 75   | \$12 00 |         |
| 3-yr.....                                                  | 2 00   | 15 00   |         |
| Per doz. Per 1 0                                           |        |         |         |
| Lady Gay, 2-yr. old, dormant stock.....                    | \$3.00 | \$20.00 |         |

## Deutzia

|                                | Each  | Doz.    | 100     |
|--------------------------------|-------|---------|---------|
| Lemoinei, 7-in.....            | 10 25 | \$ 2 50 | \$20 00 |
| Clematis Paniculata, 2 yr..... | 1 50  | 10 00   | 90 00   |
| " " 3 yr.....                  | 2 00  | 15 00   |         |
| " " 4-yr.....                  | 3 60  | 25 00   |         |

| Aralia Elegantiissima, fine stock. | Each   |
|------------------------------------|--------|
| 5-inch.....                        | \$1 00 |
| 6-inch.....                        | 1 50   |

## ROSES

|                                  | Per doz. | Per 100 |
|----------------------------------|----------|---------|
| American Beauty..... budded..... | \$2 00   | \$15 00 |
| Gen. Jack.....                   | 1 75     | 14 00   |
| Mrs. John Laing.....             | 1 75     | 14 00   |
| Paul Neyron.....                 | 2 00     | 15 00   |
| John Hopper.....                 | 1 75     | 14 00   |
| Fisher Holmes.....               | 1 75     | 14 00   |
| Gen. Washington.....             | 2 00     | 15 00   |
| Gruss an Teplitz.....            | 2 00     | 15 00   |
| Magna Charta.....                | 1 75     | 14 00   |

## Hardy Perennial Plants

|                                    | Doz.   | 100    |
|------------------------------------|--------|--------|
| Achillea Eupatorium.....           | \$1 00 | \$7 00 |
| Anchusa Angustifolia.....          | 75     | 5 00   |
| Aquilegia Chrysantha in var.....   | 35     | 6 00   |
| Arabis Alpina.....                 | 85     | 6 00   |
| Fl. Pl.                            |        |        |
| Aster Preziosa.....                | 1 20   | 8 00   |
| Cardifolius.....                   | 1 00   | 7 00   |
| Laevis Pulcherrimus.....           | 1 50   | 10 00  |
| Novae Belgiae Glory de Nancy.....  | 1 00   |        |
| Ryecroft Pink.....                 | 1 50   |        |
| St. Egevin.....                    | 2 00   |        |
| White Dwarf Queen.....             | 1 00   | 7 00   |
| Baptisia Australis.....            | 85     | 6 00   |
| Bocconia Cordata.....              | 85     | 6 00   |
| Boltonia Asteroides.....           | 75     | 5 00   |
| Campanula Medium Calycanthema..... | 1 00   | 7 00   |
| " Single Mixed.....                | 1 00   | 7 00   |
| " Double Mixed.....                | 1 00   | 7 00   |
| " Single White.....                | 1 00   | 7 00   |
| Chelone Lyoni.....                 | 1 25   | 8 00   |
| Corcepsis Lanceolata.....          | 75     | 5 00   |
| Roses                              |        |        |
| Daisy Shasta, California.....      | 85     | 6 00   |
| Westralia.....                     | 85     | 6 00   |
| Delphinium Chitense.....           | 75     | 5 00   |
| " Album.....                       | 75     | 5 00   |
| " Kelway's Hybrids.....            | 85     | 6 00   |
| Dianthus Abbottsford.....          | 1 25   |        |
| " Plumarius Cyclops.....           | 85     | 6 00   |
| " Latifolius Coccineus pl.....     | 1 00   | 7 00   |
| " Plumarius double.....            | 85     | 6 00   |

|                                      | Doz.   | 100   |
|--------------------------------------|--------|-------|
| Dianthus Perfection.....             | \$1 25 |       |
| " Her Majesty.....                   | 85     | 6 00  |
| " Semperflorens.....                 | 85     | 6 00  |
| Digitalis Gloxiniaeflora, mixed..... | 1 00   | 7 00  |
| Maculata Iveryana, spotted.....      | 1 00   | 7 00  |
| Echinacea Purpurea.....              | 85     | 6 00  |
| Erianthus Ravennae.....              | 85     | 6 00  |
| Eupatorium Frazeri.....              | 85     | 6 00  |
| Festuca Glaucia.....                 | 85     | 6 00  |
| Funkia ancilfolia.....               | 75     | 5 00  |
| Gypsophila Paniculata fl. pl.....    |        |       |
| double white.....                    | 1 00   | 8 00  |
| Helenium Autumnale superbum.....     | 85     | 6 00  |
| Rubrum.....                          | 1 00   | 8 00  |
| Helianthus Multiflorus Max.....      | 85     | 6 00  |
| Sparsifolius.....                    | 85     | 6 00  |
| Heliopsis Pitcherianus.....          | 65     | 4 00  |
| Hemerocallis Dumortieri.....         | 85     | 6 00  |
| " Flava.....                         | 85     | 6 00  |
| " Kwanso fl. pl.....                 | 85     | 6 00  |
| Hibiscus Crimson Eve.....            | 60     | 4 00  |
| Moscheutos.....                      | 60     | 4 00  |
| Inula Ensifolia.....                 | 85     | 6 00  |
| Iris Pallida Dalmatica.....          | 1 50   | 10 00 |
| Mixed German.....                    | 60     | 4 00  |
| Lathyrus Latifolius Albus.....       | 1 00   | 7 00  |
| Rubra, red.....                      | 1 00   | 7 00  |
| Pink Beauty.....                     | 1 00   | 7 00  |
| Lavender.....                        | 1 00   | 7 00  |
| Linum Perenne.....                   | 85     | 6 00  |
| Lobelia Cardinalis.....              | 1 00   | 7 00  |

|                                        | Doz.  | 100    |
|----------------------------------------|-------|--------|
| Lychnis Viscaria.....                  | \$ 85 | \$6 00 |
| Lysimachia Barystachis.....            | 1 00  | 8 00   |
| Mint.....                              | 60    | 4 00   |
| Monarda Didyma.....                    | 1 00  | 7 00   |
| Myosotis Palustris Semperflorens.....  | 60    | 4 00   |
| Phalaris Arundinacea var.....          | 75    | 5 00   |
| Phlox, mixed, 3 and 4 year clumps..... | 1 00  | 6 00   |
| Physostegia Virginica.....             | 85    | 6 00   |
| Platycodon Grandiflora.....            | 85    | 6 00   |
| " Mariesi.....                         | 85    | 6 00   |
| " Alba.....                            | 1 00  | 7 00   |
| Primula Veris Grandiflora.....         | 1 00  | 7 00   |
| Pyrethrum Uliginosum.....              | 75    | 5 00   |
| Rudbeckia Golden Glow.....             | 85    | 6 00   |
| " Golden Ray.....                      | 85    | 6 00   |
| " Newmanni.....                        | 1 00  | 7 00   |
| " Nit da.....                          | 1 00  | 7 00   |
| Sidalcea Rosy Gem.....                 | 1 00  | 7 00   |
| Statice Latifolia.....                 | 1 00  | 7 00   |
| Solidago Virgaurea Nana.....           | 1 00  | 7 00   |
| Sweet William, Single mixed.....       | 85    | 6 00   |
| " Double mixed.....                    | 85    | 6 00   |
| " Red, double.....                     | 1 00  | 7 00   |
| " White.....                           | 1 00  | 7 00   |
| Tarragon True German.....              | 85    | 6 00   |
| Thalictrum Flavum.....                 | 1 00  | 7 00   |
| Tradescantia Virginica.....            | 85    | 6 00   |
| Tritoma Ritzeri.....                   | 1 00  | 7 00   |
| Tunica Saxifraga.....                  | 1 00  | 7 00   |
| Vinca Minor.....                       | 75    | 5 00   |
| Yucca Filamentosa, 3 in. pots.....     | 75    | 5 00   |

SPRING "BOOK FOR FLORISTS!" ASK FOR IT.

## VAUGHAN'S SEED STORE,

NEW YORK

All Plants f. o. b. Western Springs, Ill.

CHICAGO.

### Cleveland.

#### ROSES ARE PLENTIFUL.

Stock did not seem to be over plentiful the past week, except roses; of these there were more than could be handled through the regular channels, and many went to the street fakirs, as did a few carnations and violets. This is the street fakir's day and he plunges, buying large quantities of stock that would otherwise go to the dump. Prices are about the same as last week. Callas and Easter lilies still continue to arrive in bunches. Valley was more plentiful this week, but the market slow. Violets do not move very quickly. The demand for colored carnations exceeds the supply, red and Lawson having the call. Enchantress is losing color with some of the growers. Sweet peas are selling exceedingly well, not enough of the better grade being obtainable to meet the demand, pink and lavender being the choice of colors. Dagger ferns are about done until the new crop arrives, fine fancy fern only being obtainable. American Beauty roses are coming in strong and the quality was never better, the shorts for funeral work having a good call; long stock is moving fairly well. Good stock of Bride and

Bridesmaid is coming in. Richmond and Killarney are also good in color and size. The rain that began Saturday evening put a damper on business, as it continued cold and wet until Sunday noon.

#### NOTES.

The new Smith & Fettes Co. held its opening on Thursday, April 14, from 3 to 6 p. m. The store was very artistically decorated for the occasion, nearly every conceivable flower being shown to the best advantage. In looking at the cards attached to some of the flowers donated an idea of the extent of their business and number of friends could be imagined. From east and west, from supply houses and florists, wholesale and retail, local and out-of-town donations were seen, their cards one and all wishing the new firm "Success." Their window decoration in itself was well worth seeing, and attracted considerable attention. All in yellow, it contained some of the choicest Spanish iris, yellow snapdragon, yellow daisies and white and yellow orchids ever seen, all very artistically arranged.

Milford Parks will have the flower stand at Luna park again this year;

## Cannas

King Humbert. Alphonse Bouvier.  
Chas. Henderson. Mlle. Berat.  
Ex. Cramobell. Florence Vaughan.  
Mad. Crozy. Souv. de Antoine Crozy.  
Write for special prices, stating quantity wanted.

#### FRESH TOBACCO STEMS.

Bale of 300 lbs., \$1.75; ton \$9.00.

W. C. BECKERT, Seedsman,

103 Federal St., N.S., PITTSBURG, PA.

Mention the American Florist when writing.

at present he is having quite a lot of sickness in the family, both Mrs. Parks and daughter being quite ill.

Wm. Bramley & Son, East Seventy-first street, had a lot of funeral work the past week. C. B.

READING, PA.—George Beeers has moved to larger quarters at 206 N. Ninth street.



# Geraniums

## ROOTED CUTTINGS

Ricard, Poitevine and S. A. Nutt, ready May 15th.  
at \$10.00 per 1000.

## PLUMOSUS

Fine stock from rose pots at \$25.00 per 1000.  
Sample for 10c.

## Smilax and Sprengerii

Ready June 1st.

Smilax ..... \$12.50 per 1000  
Sprengerii ..... 15.00 per 1000

ALBERT M. HERR, Lancaster, Pa.

## Vinca Variegata...

R. C. 90c; \$8.00 per 1000. Extra fine.

Abutilons, 3 kinds, 2-inch, 2½c. Ageratum, 3 kinds, \$1.50 per 100. Swainsonia alba, 2-in, 2c; Yellow Daisies, 2-in, 2c. Feverfew, double white, small plants, 75c; \$6.00 per 1000.

Pansies, giant \$3.00 per 100. Sweet Williams, \$3.00 per 1000. Asters, white, \$3.00 per 1000.

Rooted Cuttings, prepaid per 100. Heliotrope, \$1.00; Fuchsia, 8 kinds, \$1.00; Paris Daisy, yellow, white, \$1.00; Cuphea, 75c. Vinca Variegata, 90c; Coleus, 10 kinds 60c; Alternanthera, 3 kinds, 50c; Ageratum, 3 kinds 60c; Swainsonia alba, \$1.00; Dbl. Petunias, 10 kinds, \$1.00.

Cash with order.

BYER BROS., Chambersburg, Pa.

Albany, N. Y.

At the meeting of the executive board of the state assembly of mothers, held in this city on April 14, plans were formulated to have all the mothers' clubs in the state sell white carnations on Mothers' day, the second Sunday in May. The Florists' Club some time ago voted to donate several hundred white carnations to the local mothers' club for the occasion. At the last meeting of the club some discussion was held on the subject of holding a flower show for the benefit of the members. It was decided to find a small hall and to go ahead with the arrangements. Secretary F. A. Danker is engaged in looking for a suitable place and will report at a later meeting. Geo. H. Price was admitted to membership in the club.

Sheriff Platt on April 13, at a public auction, held pursuant to foreclosure proceedings, sold the stock in the greenhouses of Fred Keller, Jr., on the Troy road. The sale was scheduled to be held on April 6, but owing to the small number of bidders it was adjourned for one week. Fred Goldring, Henkes Bros., Patrick Hyde and a number of other local florists bid in on stock they wanted. The sale brought only about \$250. The foreclosure was due to the action of the McEwan Coal Co., of this city, which had an unpaid bill of \$326.86 for coal supplied to Keller's greenhouses. The greenhouses, land and stock growing outside are owned by Fred Keller, Sr., and no levy could be made on them.

Chas. M. van Heusen, president of the Van Heusen-Charles Co., of this city, has purchased a tract of 51 acres of fine country property west of the city and proposes to develop it for a home. Mr. van Heusen has engaged a landscape gardener to go over the property, select a site for a country residence and develop the grounds. The tract has some unexcelled natural beauties, not the least of which is a fine grove situated on an eminence that can be seen a long distance.

Fred A. Danker is building a new residence a short distance west of his present home on Central avenue.

R. D.

# Florists' 'Mums

## EARLY

|                                       | From Pots. | Rooted Cuttings. |
|---------------------------------------|------------|------------------|
|                                       | 100        | 1000             |
| Cremo—Pacific Sport yellow.....       | \$3 00     | \$2 50           |
| Gloria (New)—Enchantress Pink.....    | 4 00       | \$30 00          |
| Golden Glow—Earliest yellow.....      | 3 00       | 25 00            |
| Indiana (New)—A white Appleton.....   | 6 00       | 4 00             |
| Ivory—Dwarf white.....                | 3 00       | 25 00            |
| Monrovia—Bright yellow.....           | 3 00       | 25 00            |
| October Frost—Best early white.....   | 3 00       | 25 00            |
| Pacific Supreme—Improved Pacific..... | 3 00       | 25 00            |
| Roserie—Dark pink.....                | 3 00       | 25 00            |

## MIDSEASON

|                                              |      |       |      |       |
|----------------------------------------------|------|-------|------|-------|
| Col. D. Appleton—Incurved yellow.....        | 3 00 | 25 00 | 2 00 | 15 00 |
| Crocus—Light yellow.....                     | 3 00 | 25 00 | 2 00 | 15 00 |
| Dolly Dimple (New)—Fine yellow.....          | 6 00 |       | 4 00 |       |
| Mrs. W. E. Kelley—Late midseason yellow..... | 6 00 | 50 00 | 5 00 | 40 00 |
| Major Bonnaffon—Incurved yellow.....         | 3 00 | 25 00 | 2 00 | 15 00 |
| Pres. Roosevelt—Incurved light pink.....     | 4 00 | 35 00 | 3 00 | 25 00 |
| Vivland Morel—Dark pink.....                 | 3 00 |       | 2 50 |       |

## LATE

|                                          |      |       |      |       |
|------------------------------------------|------|-------|------|-------|
| Golden Eagle—Incurved bright yellow..... | 4 00 | 30 00 | 3 00 | 25 00 |
| Mlle. Jeanne Nonin—Incurved white.....   | 3 00 | 25 00 | 2 00 | 15 00 |

Also a fine line in Exhibition, Pompons and Singles.

ELMER D. SMITH & CO., Adrian, Mich.

# American Beauty

## BENCH PLANTS

Fine plants for out-door planting or replanting in the benches, cut back to about 18-inches; per 100, \$5.00.

KAISERIN 2-inch pots, propagated last fall.  
Now ready to plant in the benches,  
\$4.00 per 100, or \$35.00 per 1000.

Bassett & Washburn, Office and Store,  
76 Wabash Ave., CHICAGO  
Greenhouses, Hinsdale, Ill.

## Bench Plants

|                      |         |
|----------------------|---------|
| American Beauty..... | 1000    |
| Richmond.....        | \$50 00 |
|                      | 30 00   |

## GEORGE REINBERG

51 Wabash Avenue, CHICAGO.

Nashville.

Trade has been rather quiet the past week and as a consequence flowers have been plentiful. Violets are entirely done and bulbous stock is abundant of every kind. Roses are only fairly profuse, sufficient for all demands, but not an overstock. Carnations are abundant and excellent in quality. Outdoor lily of the valley has been plentiful and of good quality, with many bells and a delightful fragrance. This sold at 75 cents per 100 and was much sought after. All kinds of garden flowers are now in the market for a brief season. None of them last very long. Irises, blue and white, have been used a great deal in the spring decorations for small affairs. A most effective decoration, which has been largely used, is the dogwood blossoms. Huge sprays placed in large vases against the wall, gave a fine effect and nothing prettier has been seen here. The dogwood is very fine this year and plentiful in this locality. M. C. D.

## A New Fern NEPHROLEPIS GIATRASI

Awarded a Certificate of  
Merit by the Horticultural  
Society of New York.

Prices: In 2¼-inch pots, \$3.50 per dozen; \$25.00 per 100; \$200.00 per 1000. 25 plants at 100 rates; 500 plants at 1000 rates. Orders delivered in rotation as received. Now Ready for delivery,

GEORGE GIATRASI,  
463 Summit Ave., West Hoboken, N. J.

## SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums  
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL,  
New York.

## Flower Colors

Use our COLOR CHART in describing them,  
PRICE, \$1.00 POSTPAID.

American Florist Co.,  
324 Dearborn St., CHICAGO, ILL.





PANSY GERANIUM.

# Pelargonium

## NOVELTIES.

From 2½-in. pots, each, 25c; doz., \$2.50.  
1 each of 6 vars., \$1.85; 3 each, \$3.65.  
**Emanuel Lias**—Mottled rose and white.  
**King Haakon**—Purple, dark blotch on lower petals.  
**King of Spain**—Reddish purple, light center.  
**Ladas**—Blush pink, upper petals blotched maroon.  
**Lady Churchill**—Blush salmon.  
**Prince Olaf**—Orange scarlet.

## STANDARD SORTS.

Extra strong 2½-in. pots (ready for 3-in.). \$1.50 \$10.00  
" " 3 " " " " 2.00 12.00  
**Countess**—Clear salmon, white center.  
**Dorothy**—Rosy salmon, blotched dark maroon.  
**Goldmine**—Bright orange, one of the freest.  
**Mme. Thibaut**—White, blotched maroon and rose.  
**Mme. Vibert**—Fiery red, blotched maroon, edged pink.  
**Mrs. R. Sandiford**—Pure white, double.  
**Marie Mallet**—White, blotched maroon.  
**Princess May**—Salmon rose, maroon blotches.  
**Sandiford's Best**—Beautiful pink, white margin.  
**Sandiford's Wonder**—Blotched white and red.  
**Surprise**—Fiery red, black blotches, white margin.  
**Tommy Dodd**—Lower petals blush, upper maroon and crimson.  
**Mrs. Loyal**—The "Pansy Geranium."

# VAUGHAN'S SEED STORE

NEW YORK. All plants f.o.b. Western Springs "Spring Book for Florists." Ask for it. CHICAGO.

## Chrysanthemum Cuttings

Now booking orders for early delivery.

| WHITE                 | Per 100 | 1000    |
|-----------------------|---------|---------|
| Oct. Frost .....      | \$2 00  | \$15 00 |
| Kalb .....            | 2 00    | 15 00   |
| V. Poehlmann .....    | 2 50    | 20 00   |
| Touset .....          | 2 00    | 15 00   |
| A. Byron .....        | 2 00    | 15 00   |
| Wanamaker .....       | 2 00    | 15 00   |
| White Cloud .....     | 2 00    | 15 00   |
| T. Eaton .....        | 2 50    | 20 00   |
| Chadwick .....        | 2 50    | 20 00   |
| Nonin .....           | 2 00    | 15 00   |
| PINK                  |         |         |
| Balfour .....         | 2 00    | 15 00   |
| Enguehard .....       | 2 00    | 15 00   |
| YELLOW                |         |         |
| Golden Glow .....     | 2 00    | 15 00   |
| Monrovia .....        | 2 00    | 15 00   |
| Oct. Sunshine .....   | 2 00    | 15 00   |
| Appleton .....        | 2 00    | 15 00   |
| Y. Eaton .....        | 2 50    | 20 00   |
| Golden Chadwick ..... | 3 00    | 25 00   |
| Halliday .....        | 2 00    | 15 00   |
| Bonnafon .....        | 2 00    | 15 00   |

## Rooted Carnation Cuttings For immediate delivery.

|                             | Per 100 | 1000    |
|-----------------------------|---------|---------|
| White Enchantress .....     | \$3 00  | \$25 00 |
| Rose Pink Enchantress ..... | 2 50    | 20 00   |

J. D. THOMPSON CARNATION CO.,  
JOLIET, ILL.

# A. N. PIERSON, Inc. CROMWELL, CONN.

## Grafted and Own Root Roses

|                                                   | Per doz. | Per 100 | Per 1000 |
|---------------------------------------------------|----------|---------|----------|
| White Killarney (Waban strain), grafted .....     | \$2.00   | \$15.00 | \$120.00 |
| Own root .....                                    | 1.50     | 8.00    | 75 00    |
| Killarney, grafted .....                          | 2.00     | 15.00   | 120.00   |
| My Maryland, grafted .....                        | 2.00     | 15.00   | 120.00   |
| Own root .....                                    | 1.00     | 6.00    | 50.00    |
| Richmond, Kaiserin, Bride and Maid, grafted ..... | 2.00     | 15.00   | 120.00   |
| Own root .....                                    | 1.00     | 5.00    | 45.00    |

**Chrysanthemums** The best of the new ones and the best of the standards. Commercial varieties exclusively. We are booking orders for both rooted cuttings and plants from pots for present delivery.

**Our Catalogue** Contains the Carnation and Chrysanthemum lists. It includes our Rose list and the bedding stock. You need our catalogue. If you haven't received one, send for it. We can handle your order, whether it is large or small.

**For Fuller List of Plants** which we have to offer, see our full page advertisement in THE AMERICAN FLORIST of March 26th.

## White Killarney, My Maryland, Pink Killarney.

2½-in. plants. Booking orders now for future deliveries. The Right Place—The Right Goods—The Right Price—Come and See Them Grow.

|                         | 2½-in. 100 | 1000    |
|-------------------------|------------|---------|
| White Killarney .....   | \$8 50     | \$75 00 |
| Pink Killarney .....    | 6 00       | 55 00   |
| My Maryland .....       | 6 00       | 55 00   |
| Richmond .....          | 5 50       | 50 00   |
| Brides .....            | 5 00       | 45 00   |
| American Beauties ..... | 7 00       | 65 00   |

3½-in. sizes will be offered, when ready, at 40% increase over 2½-in.  
You cannot afford to buy poor stock at 50% less.

**CHRYSANTHEMUMS**, Rooted Cuttings and 2½-in. Good commercial varieties. Price lists will be mailed on request.

Poehlmann Bros. Co., Morton Grove, Ill.  
Mention the American Florist when writing

## ASTERS and DANLIAS.

**ASTERS**, Vick's Early and Late Branching, select colors, strong transplanted plants, 2-in., \$2.00 per 100; \$18.50 per 1000.

**Dahlia Roots**, 5,000 mixed to color, \$4.00 per 100; \$35.00 per 1000.

**Dahlia Roots**, Jack Rose, Sensation, Fringed 20th Century, Fringed Beauty, Gladys, Rose Pink Century, Big Chief, at \$3.50 per doz.; \$25.00 per 100.

R. VINCENT Jr. & SONS CO., White Marsh, Md.  
Mention the American Florist when writing

## Snow-White Sport of Helen Frick Chrysanthemum

From 2½-inch pots \$10.00 per 100.  
Rooted cuttings, \$8.00 per 100.  
Unrooted cuttings, \$5.00 per 100.

HENRY EICHHOLZ, Waynesboro, Pa.

## ASPARAGUS PLUMOSUS

2-year clumps, 15c; 2-inch pots, strong, \$2 25 per 100; \$20.00 per 1000.

**IMPATIENS** in variety, strong, 2-inch, 3c.

**BRIDESMAID ROSES**, 2-inch pots, 2½c.

W. W. Coles, Kokomo, Ind.

## JOSEPH HEACOCK CO.

WYNCOTE, PA.

## Growers of Fine Kentias

Send for Price List.



## Look! Bargains in BEDDING PLANTS

For Immediate Shipment. Now Ready.

|                                                                                       |                              |        |
|---------------------------------------------------------------------------------------|------------------------------|--------|
| <b>Cannas</b> , Eisele (best improved dark foliage) 4-in. ....                        | Per 100                      | \$8.00 |
| <b>English Ivy</b> , 4-in. ....                                                       | 10 00                        |        |
| <b>Begonia Erfordi</b> , our well known improved strain, 4-in. (5-in. now ready) .... | 8.00                         |        |
| <b>Begonia Vernon</b> , dark red latest improved strain from Switzerland, 4-in. ....  | 7 00                         |        |
| <b>Lemon Verbenas</b> , 4-in. ....                                                    | 7.00                         |        |
| <b>Scarlet Sage</b> , Clara Bedman or Bonfire, 4-in. ....                             | 7.00                         |        |
| <b>Ageratum</b> , dwarf best blue, 4-in. ....                                         | 7.00                         |        |
| <b>Fuchsias</b> , assorted colors, 4-in. ....                                         | 7.00                         |        |
| <b>Double Petunias</b> , assorted, 4-in. ....                                         | 7.00                         |        |
| <b>Lantanas</b> , assort. d. 4-in. ....                                               | 7.00                         |        |
| <b>Primula Oconica</b> , 5-in., blue, in bloom. ....                                  | \$2.00 per doz.              |        |
| <b>Dracena indivisa</b> , 5 to 5½-in. pots ....                                       | 25c each                     |        |
| <b>Kentia Forsteriana</b> , 6 to 7 in., 40 to 50 in. high and over ....               | \$2.00 \$2.50 to \$3.00 each |        |
| <b>Kentia Belmoreana</b> , 4-in., 20c; 3 in. ....                                     | 10c each                     |        |
| <b>Hydrangea Otaksa</b> , 6 to 7 in. pots, in bud ....                                | 25c, 35c 50c each            |        |
| <b>Begonia Flambeau</b> , 6-in. ....                                                  | 25c each                     |        |

In small plants we have the following in 2½ to 3-in. pots, at \$3.00 per 100:

**Verbenas**, assorted colors: **Phlox Drummondii**, dwarf and grand-flora. French dwarf **Togetes** (the queen of the Marigolds): **Cosmos**, red, white and pink (assorted or mixed): **Coleus**, Verschaffelti, Golden Badder, Queen Victoria (fancy colors, 4c); **Petunias**, California Giant Inimitable, Dwarf and Rosy Morn; **Sweet Alyssum**, Carpet of Snow or Little Gem; **Tradescantia**, two colors; **Thunbergia**, or Black Eyed Susan; **Salpiglossis**; **Lobelia**, Crystal Palace, blue, dwarf and trailing; **Cornflower** rs (assorted); **Dusty Miller**; **Centaurea Gymnocarpa**; **Parlor Ivy**.

Don't forget that we are the growers and shippers of **Ionomoea Noctiflorum**, the pure white Moonvine with flowers as big as a saucer, very fragrant and the earliest Moonvine in existence, for which we have a world-wide reputation for the past twenty-five years; grows 50 feet and over in one season; over 25,000 are shipped every spring all over America south, north, west and east. Mexico and Cuba: 2½-in. pots. \$5.00 per 100; 3-in. \$8.00 per 100; 4 in., \$12.00 per 100.

Cash with order, please. All plants, 25 at 100 rate. All plants must travel at purchaser's risk only.

Watch for our adv. of **Araucarias** about May 10.

## GODFREY ASCHMANN

Wholesale Grower and Importer of Potted Plants.

1012 West Ontario St., PHILADELPHIA, PA.

Toronto.

### BUSINESS ERRATIC.

Trade the past two weeks has been very erratic, but generally good. The visit of the governor general and suite created quite a demand for flowers, as there were supper parties and social events galore; this, coupled with the death of several prominent citizens and a few weddings, have helped use up the better grades of flowers. Roses are now coming in plentifully. American Beauties, which have been scarce all season, are again fairly plentiful, but hardly up to the standard in quality. Richmond is fine with good strong stems, and the other varieties are all that could be desired. Carnations have shortened somewhat, which is a good thing, for they were being slaughtered at unreasonable prices. Sweet peas, lily of the valley and orchids are all plentiful and good.

### NOTES.

Spring trade has rushed in so quickly that Thos. Manton is more than busy and is looking for more help. There seems to be a small percentage of gardeners among the immigrants.

Richmond roses, which are the mainstay of the Bedford Park Floral Co., have proved so profitable that the firm is putting up another house to be devoted to these.

Fred Brown has opened a store at Yonge and Richmond streets, where

## ROSES

We have the following young roses to offer:

|                        |                  |
|------------------------|------------------|
| 1500 American Beauties | 800 Cardinal     |
| 250 Richmonds          | 600 Chateau      |
| 9500 Brides            | 200 Wootton      |
| 6500 Maids             | 1250 Golden Gate |
| 1250 Uncle John        | 1000 Killarney   |
| 100 Kaiserin           | 350 Maryland     |
| 500 La France          | 500 Perle        |
| 900 Ivory              | 200 Palmer       |

|                                                  |                                           |                  |
|--------------------------------------------------|-------------------------------------------|------------------|
| 10,000 Asters, Hats...                           | \$1.50 per 100                            | \$12.50 per 1000 |
| 2 in....                                         | 2.50 per 100                              | 20.00 per 1000   |
| 20,000 Coleus, R.C....                           | .60 per 100                               | 5.00 per 1000    |
| 2 in....                                         | 2.50 per 100                              | 20.00 per 1000   |
| 5 000 Cannas                                     | 3 in. \$5.00; 4 in. \$8.00                |                  |
| 1.5 10 King Humberts                             | 3 in., 8.00; 4 in., 12.50                 |                  |
| 15,000 Geraniums, red, white, pink and salmon... | 2½ in. \$3.50; 3 in. \$5.00; 4 in. \$8.00 |                  |
| 10,000 Chrysanthemums, 2½ in. ready, also R.C.   |                                           |                  |

Ask for our Soft Wooded List.

**Bulb Stock**—Cannas Caladiums, Tuberous rooted Begonias Dahlias, etc., etc.

**GEO. A. KUHLE**, Wholesale Grower. Pekin, Ill.

## Pansy Plants

Large stocky plants in bud and bloom, the very best strain at \$1.25 per 100, \$10.00 per 1000; smaller plants \$2.00 per 1000.

**Stocks**, **Dusty Miller**, **Verbenas**, **Phlox**, **Alyssum**, **Heliotrope**, **Ageratum**, **Mme. Salleron Geraniums**, **Asp. Sprengeri** and **Scarlet Sage**, fine plants out of 2½-in. pots, \$2.00 per 100; 300 for \$5.00; \$15.00 per 1000.

**Cabbage Plants** for field, \$1.25 per 1000.

**J. C. SCHMIDT**, Bristol, Pa.

## Robert Craig Co...

### HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

## Rooted Cuttings

|                             |             |                       |                |
|-----------------------------|-------------|-----------------------|----------------|
| <b>Heliotropes</b> , \$1.00 | 1000 \$8.00 | <b>Petunias</b> ....  | \$1.25 \$10.00 |
| <b>Daisies</b> , white      | 1.00        | <b>Salvias</b> ....   | 1.00 8.00      |
| and yellow, 1.00            |             | <b>Alyssum</b> , dbl. | .60            |
| <b>Coleus</b> ....          | .70 6.00    | <b>Ageratum</b> ....  | .60 5.00       |

Express paid on rooted cuttings.

**S. D. BRANT**, Clay Center, Kans.

## Ferns for Dishes...

Assorted varieties, 2½-in. pots, \$3.50 per 100; \$30.00 per 1000. Cash with order.

### FRANK OECHESLIN

4911 Quincy St. CHICAGO.

bargain flowers are being handled in quantity.

Wm. Jay & Son report a good spring business. Stock in all lines has been plentiful and they are rushed with planting.

John Chambers is busily engaged in landscape work. H. G. D.

### The Stork at New Castle.

The New Castle (Ind.) Times points out that the florists are doing more to make good the slogan "New Castle 20,000 in 1910," than any other class of people. As evidence it calls attention to the stork's recent visits to the homes of the following: Otto Bentley, S. Atkins, L. Dawson and Wm. Brenneke, of J. Bentley & Co., and Carl Ragden and Frank Shelsky, of Heller Bros. This makes a total of six births in two months, which the delighted papas declare is "go in some." All are doing nicely, thank you.

## ROSES IN PLENTY

ON OWN ROOTS.

Summer grown, winter rested.

| TEAS.                           | Doz.   | 100  | 1000  | 4-in. |
|---------------------------------|--------|------|-------|-------|
| Bon Silene .....                | \$ .50 | \$3. | \$25. |       |
| Bougere .....                   |        |      |       | \$ 8. |
| Bridesmaid .....                | .50    | 3.   | 25.   | 8.    |
| Catherine Mermet .....          | .50    | 3.   | 25.   | 8.    |
| Christine de Neve .....         | .50    | 3.   | 27½   |       |
| Coquette de Lyon .....          | .50    | 3.   | 25.   |       |
| Devoniensis .....               | .50    | 3.   | 25.   |       |
| Isabella Sprunt .....           | .50    | 3.   | 25.   | 8.    |
| Mme. Joseph Schwartz .....      | .50    | 3.   | 25.   |       |
| Madame Lombard .....            | .50    | 3.   | 27½   |       |
| Mlle. Franzisca Kruger .....    | .50    | 3.   | 25.   | 8.    |
| Maman Cochet, Pink .....        | .50    | 3.   | 27½   | 8.    |
| Marie Guillot .....             | .50    | 3.   | 25.   |       |
| Marie Lambert (Snowflake) ..... | .50    | 3.   | 25.   |       |
| Marie Louise .....              | .50    | 3.   | 25.   | 8.    |
| Marie van Houtte .....          | .50    | 3.   | 25.   |       |
| Papa Gontier .....              | .50    | 3.   | 27½   | 8.    |
| Perle des Jardins .....         | .60    | 4.   | 35.   |       |
| Souv. de Pierre Notting .....   | .50    | 3.   | 25.   |       |
| The Bride .....                 | .50    | 3.   | 25.   | 8.    |
| White Bougere .....             | .50    | 3.   | 25.   |       |
| White Maman Cochet .....        | .50    | 3.   | 27½   | 8.    |

### HYBRID TEAS.

|                                         |     |    |     |    |
|-----------------------------------------|-----|----|-----|----|
| Cherry Ripe .....                       |     |    |     | 8. |
| Duchess of Albany (Red La France) ..... | .50 | 3. | 27½ |    |
| Helen Gould (Baldwin) .....             | .50 | 3. | 27½ |    |
| Kaiserin Augusta Victoria .....         | .50 | 3½ | 30. |    |
| La Detroit .....                        | .50 | 3. | 27½ |    |
| Mlle. Helene Gambier .....              | .50 | 3½ | 30. |    |
| Meteor .....                            | .50 | 3. | 27½ |    |
| Striped La France .....                 | .50 | 3. | 27½ | 8. |

### HYBRID PERPETUALS.

|                                     |      |    |     |     |
|-------------------------------------|------|----|-----|-----|
| American Beauty .....               | .85  | 6. | 50. | 15. |
| Anna de Diesbach .....              | .50  | 3½ | 30. |     |
| Ball of Snow (Boule de Neige) ..... | .50  | 3½ | 30. |     |
| Clio .....                          | .50  | 3½ | 30. |     |
| Coquette des Alpes .....            | .50  | 3½ | 30. |     |
| Dinsmore .....                      | .60  | 4. | 35. | 7.  |
| Frau Karl Druschki .....            | 1.00 | 7. | 60. |     |
| Giant of Battles .....              | .50  | 3½ | 30. | 7.  |
| Gloire Lyonnaise .....              | .50  | 3½ | 30. | 7.  |
| La Reine .....                      | .60  | 4. | 35. |     |
| Madame Charles Wood .....           | .60  | 4. | 35. | 7.  |
| Madame Masson .....                 | .50  | 3½ | 30. |     |
| Madame Planter .....                | .50  | 3½ | 30. | 7.  |
| Magna Charta .....                  | .50  | 3½ | 30. | 7.  |
| Paul Neyron .....                   | .50  | 3½ | 30. | 7.  |
| Ulrich Brunner .....                | .75  | 6. | 50. |     |
| Vick's Caprice .....                | .60  | 4. | 35. | 8.  |

### CLIMBERS.

|                                   |     |    |     |     |
|-----------------------------------|-----|----|-----|-----|
| Climbing Clothilde Souper .....   | .50 | 3. | 25. |     |
| Climbing Meteor .....             | .50 | 3. | 27½ |     |
| Cloth of Gold (Chromatella) ..... | .50 | 3. | 25. |     |
| Empress of China .....            | .50 | 3. | 25. |     |
| James Sprunt .....                | .50 | 3. | 25. |     |
| Lamarque .....                    | .50 | 3. | 25. | 8.  |
| Marchal Niel .....                | .50 | 3½ | 30. | 12. |
| Mary Washington .....             | .50 | 3. | 25. | 8.  |
| Reine Marie Henriette .....       | .50 | 3. | 25. | 8.  |
| Solfatare .....                   | .50 | 3. | 25. | 8.  |

### HARDY CLIMBERS.

|                                    |     |    |     |    |
|------------------------------------|-----|----|-----|----|
| Baltimore Belle .....              | .50 | 3. | 25. |    |
| Crimson Rambler .....              | .50 | 3. | 25. |    |
| Debutante .....                    | .50 | 3. | 25. |    |
| Dorothy Perkins .....              | .50 | 3. | 25. |    |
| Keystone .....                     | .50 | 3. | 25. |    |
| Lady Gay .....                     | .50 | 3. | 25. |    |
| Manda's Triumph .....              | .50 | 3. | 25. |    |
| Philadelphia Rambler .....         | .50 | 3. | 25. |    |
| Pink Rambler (Euphrosyne) .....    | .50 | 3. | 25. | 7. |
| Prairie Queen .....                | .50 | 3. | 25. | 7. |
| Seven Sisters .....                | .50 | 3. | 25. | 7. |
| South Orange Perfection .....      | .50 | 3. | 25. |    |
| Sweetheart .....                   | .50 | 3. | 25. |    |
| Tennessee Belle .....              | .50 | 3. | 25. | 7. |
| Universal Favorite .....           | .50 | 3. | 25. |    |
| White Rambler (Thalia) .....       | .50 | 3. | 25. |    |
| Wichuraiana (White Memorial) ..... | .50 | 3. | 25. |    |

### MISCELLANEOUS.

|                                      |     |    |     |     |
|--------------------------------------|-----|----|-----|-----|
| Aennchen Mueller (Anny Muller) ..... | .50 | 3. | 25. |     |
| Catherine Zeimet (White Baby) .....  | .50 | 3½ | 30. | 8.  |
| Grass an Teplitz (V. R. Cox) .....   | .50 | 3. | 27½ |     |
| Henri Martin (Red Moss) .....        | .75 | 4½ | 40. |     |
| Mousseline (White Moss) .....        | .75 | 4½ | 40. | 10. |
| Mrs. Degraw (Bourbon) .....          | .50 | 3. | 27½ | 8.  |

THE LEEDLE FLORAL COMPANY  
SPRINGFIELD OHIO



TRADE LIST

Ferns, Boston and Scotti. From 3-in pots. \$5.00 per 100

Funkia, variegata, strong plants. 4½-in. pots, \$1.00 per dozen.

Clematis, large flowering varieties, 2-year-old plants: Jackman, Henry, Mme. Veillard, \$3.00 per dozen.

Clematis, paniculata, strong plants. \$10.00 per 100; 3-in. pots \$5.00 per 100.

Dracena Indivisa 4-inch pots. \$10.00 per 100.

Geranium, Mrs. Parker, 3-in. pots \$5.00 per 100

Passiflora coerulea. 3-in pots \$5.00 per 100.

Plfordii, 4-in. pots. \$1.00 per dozen.

Plants from 2½-in. pots. \$3.00 per 100:

Achyranthes, Lobelias, double and single blue: Parlor Ivy, Vinca variegata: Moonvine, the true large flowering white variety: Ageratum, blue: Salvia, Bonfire, Zurich: Coleus, Verschaffeltii, Golden Bedder, Queen Victoria Quadricolor.

Stock from 3-in. pots. \$4.00 per 100. Geraniums, asst varieties, single and double: Geraniums, Rose and Nutmeg: Lantana, Le Vaine: Feverfew, The Gem: Ivy, Hardy English: Euonymus, radicans and Golden Variegated. Honeysuckle, Woodbine and Hallsena 4 in pots \$1.50 per doz.

Rooted Cuttings \$1.00 per 100. Salvias, Bonfire and Zurich: Coleus, Verschaffeltii Golden Bedder, Queen Victoria, Quadricolor: Achyranthes, Lideni:

Carnation Narcoleon III. Best hardy ever-blooming, crimson flowers, 2½-in. pots, \$3.00 per 100.

C. EISELE.

11th and Westmoreland Sts. Philadelphia, Pa.

GOOD, CLEAN, HEALTHY

2-inch Stock

We have the following in surplus stock, a few thousand to dispose of:

| ROSES               | Per 100 | Per 1000 |
|---------------------|---------|----------|
| Maid and Bride..... | \$3.00  | \$20.00  |
| Mrs. Jardine.....   | 4.00    | 35.00    |
| Bench Richmond..... | 4.00    | 30.00    |

J. A. Budlong,

37-39 Randolph Street, CHICAGO.

Neph. Whitmani

|                           |               |
|---------------------------|---------------|
| 2½-in .....               | 5.00 per 100  |
| MAGNIFICA (new), 2½-in .. | 25.00 per 100 |

Boston Ferns 2½-inch, \$3.00 per 100.

Henry H. Barrows & Son, Whitman, Mass.

Newport, R. I.

The Horticultural Society had an unusually well attended meeting on the evening of April 12 to hear a talk on orchids by E. O. Orpet of Lancaster, Mass. He had with him about a dozen varieties of cut flowers from his most choice hybrid orchids which were very much admired, and his address, which was full of information, was very favorably commented on. A standing vote of thanks was given him at the close. At the same meeting a specimen amaryllis was exhibited by Paul Valquardson, gardener to Mrs. W. G. Wild; there were 21 large flowers in good condition on three spikes that came from the same bulb. This was awarded a silver medal for superior culture. John T. Allan, gardener for J. R. Drexel, had also on exhibition a seedling amaryllis of his own raising which he has named Miss Alice

Grafted Rose Stock

Killarney, White Killarney, Bride, Bridesmaid and My Maryland,

2¼-in. stock, \$15.00 per 100; \$125.00 per 1000.

CHARLES H. TOTTY, Madison, N. J.

Geraniums Coleus

|                                         |        |         |     |      |
|-----------------------------------------|--------|---------|-----|------|
| 8 varieties, my selection, 2½-in. pots. | \$3.00 | \$25.00 | 100 | 1000 |
| 8 varieties, 3-in. pots.....            | 4.00   |         |     |      |
| Asp. Sprengeri seedlings .....          | 1.00   | 7.00    |     |      |
| Asp. Sprengeri, 2½-in. pots.....        | 2.00   |         |     |      |

10 varieties 2½-in. pots..... 2.00

Double Petunias, Seedlings..... 2.50

10 varieties of Cannas, 3½ in. pots ..... 4.00

400 Asp. Plumosus, 2½ in pots ..... 2.00

Alternantheras, red and yellow..... 2.00

—Cash, No C. O. D.—

JOS. H. CUNNINGHAM, Delaware, O.

Just Arrived. **ORCHIDS** Fresh Stock.

Cattleya Trianae, said by customers to be the finest importation ever received. \$40.00 per case

Cattleya Labiata ..\$125.00 per 100; \$ 8.00 per doz.

Gaskelliana ..... \$40.00 per case

Oncidium Varicosum Rogersii ..... \$125.00 per 100; \$18.00 per doz.

All ready to ship now.

Successors to G. L. Freeman, Fall River, Mass.

ORCHID PEAT, (Osmunda Fibre)

Finest quality, hand cleaned, free from sticks and dirt. In chunks or handpicked ready for use.

Also Rotted and Azalea Peats, Leaf Mold, Live or Baled Sphagnum Moss.

Prices and samples on application.

THE C. W. BROWNELL CO., WALDEN, N. Y.

ORCHIDS...

Largest Importers, Exporters, Growers, and Hybridists in the World.

SANDER, St. Albans, Eng.

NEW YORK OFFICE: T. MELLSTROM, Room 1, 235 Broadway. Agent.

Orchids

Arrived in fine condition: Cattleya Warnerii, C. Harrisonia, C. Gaskelliana and C. Gigas (Hardyana type); also Dendrobium Phalaenopsis Schroederianum and Odootoglossum luteo-purpureum.

Lager & Hurrell, Summit, N. J.

ASPARAGUS, Robustus

3-inch strong \$5.00 per 100. Per 100

Asparagus, Sprengeri, 3 inch strong.....\$5.00

Smilax, 2½ in. strong ..... 3.00

Vinca Var., 2½- 3-, 4 in..... \$3.00 \$5.00. 9.00

Geraniums, Heteranthe and J. Doyle, 4 in... 7.00

Dormant Canna Roots, Allemania, Pennsylvania, Kate Gray..... 2.50

King Humbert New York..... 5.00

WEST END GREENHOUSES, Hans Schmalz, Prop. Lincoln, Ill.

Drexel. The color of it is a very striking shade of scarlet, extra good under artificial light. It was also awarded the society's silver medal.

William Miller succeeds Andrew J. Pow as gardener to Mrs. Cornelius Vanderbilt at The Breakers. The

A FEW GOOD THINGS YOU WANT.

Rex Begonia, 2-in. \$5.00 per 100.

Asparagus Sprengeri, 3-in. \$5.00 per 100

Geraniums, Nutt Doyle, Perkins, Grant, La Favorite, R. C. \$1.25: 2-in. pots. \$2.00; 3-in., \$4.00 per 100; Viaud, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in. pots, \$2.50; 3-in. \$5.00 per 100; Mme. Sallerol, 2-in. \$3.00 per 100

Asparagus Plumosus, 2-in. \$3.00 per 100; 3-in., \$5.00 per 100. Cut fronds 25c per bunch.

Boston Ferns, 5-in 25c each, Whitman Ferns, 4 in. 25c each

Vinca Var., 2-in. \$2.00 per 100.

Dracena Ind., 3-in., \$5.00; 4-in., \$10.00 per 100.

Coleus and Alternanthera, red and yellow: Verbenas, Heliotrope, Cigar Plant, Scarlet Sage, Zurich, always in bloom, 2-in., \$2.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers after being delivered to the express companies properly packed in good order

GEO. M. EMMANS, Newton, N. J.

Mention the American Florist when writing

Orchids..

We have changed our domicile from Secaucus, N. J., to Mamaroneck, N. Y. We are largest collectors and importers of Orchids and are now booking orders for all the commercial Cattleyas for delivery next spring

CARRILLO & BALDWIN, Mamaroneck, N. Y.

change took place April 15. Mr. Miller has been a greenhouse man there for many years.



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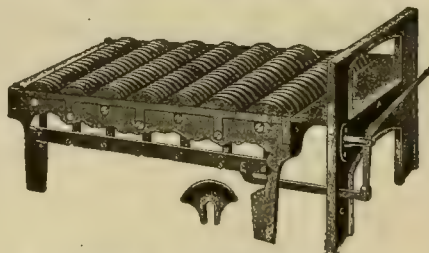
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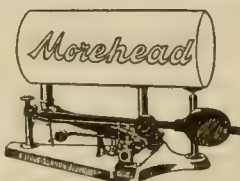
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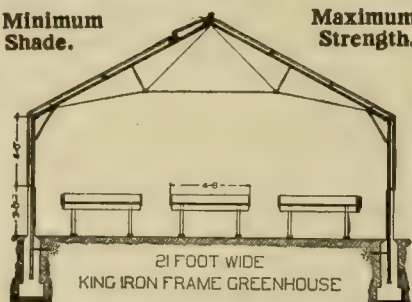
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Coleus, G. Bedder and Verschaffeltii, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Coleus, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Coleus, 10 best kinds from 2-in., 2c. J. L. Schiller, Toledo, O.

Coleus, 10 var., 2 1/2-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus, 16 kinds, 2 1/2-in., \$2 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Coleus. J. L. Dillon, Bloomsburg, Pa.

## CROTONS.

Crotons, 3-in., 20c each; \$2 per doz.; 4-in., 35c each; \$3.50 per doz.; 5-in., 50c each; \$6 per doz.; 6-in., \$1 each; \$10 per doz. Vaughan's Seed Store, Chicago and New York.

## CYCLAMENS.

Cyclamens, finest stock, in separate colors, 3 1/2-in. pots, \$10 per 100. Julius Roehrs Co., Rutherford, N. J.

## DAHLIAS.

Dahlias, six novelties of special merit, Corona, Charles Clayton, W. K. Jewett, Manitou, Princess Yotive, The Baron, other novelties and the best standard varieties. The best is the cheapest. Prices reasonable and fair dealing guaranteed. Hollyhocks and other hardy plants. Catalogue. W. W. Wilmore, Box 382, Denver, Colo.

Dahlias, Black Beauty, Elegante, \$3 per 100; Arabella, Earl of Pembroke, \$4 per 100; field-grown, undivided roots. Order today. Wagner Park Conservatories, Sidney, Ohio.

Ohio dahlia, field roots, 75c each; \$8.50 per doz. J. M. McCullough's Sons Co., 316 Walnut St., Cincinnati, O.

Dahlias. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Dahlias, Pape & Bergmann, Quedlinburg, Germany.

## DAISIES.

Daisies, \$2 per 1,000. J. C. Schmidt, Bristol, Pa.

## DEUTZIAS.

Deutzia Lemoinei, 7-in., 25c each; \$2.50 per doz.; \$20 per 100. Vaughan's Seed Store, Chicago and New York.

## DRACENAS.

Dracena indivisa, from 2 1/2-in. pots; pot bound, \$3.50 per 100. Calla lilies, in 6-in. pots, \$12 per 100. Frank J. Reppa, 19 N. Vermont St., New York.

Dracena indivisa, 4-in., \$10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Dracena indivisa, 1-year, strong, bench grown, transplanted in Sept., \$1.50 per 100; \$12 per 1,000. Cash. E. Fryer, Johnstown, Pa.

Dracena indivisa, perfect specimens, 30 to 36 ins. high, 6-in. pots, 25c each. John Irvine & Sons, Bay City, Mich.

Dracena indivisa, 4-in., 12c each. Mosbaek Greenhouse Co., Onarga, Ill.

Dracena indivisa, 5 and 6-in., 30c and 50c each. John E. Sten, Red Wing, Minn.

Dracenas. Bobbink & Atkins, Rutherford, N. J.

Dracena indivisa, 3-in., \$5; 4-in., \$10 per 100. Geo. M. Emmans, Newton, N. J.

## FERNS.

### FERNS FOR FERN DISHES.

Extra strong, healthy, bushy, full-grown 2 1/2-in. stock, guaranteed to please; assortment of 12 best varieties, \$3 per 100; \$25 per 1,000; 250 at 1,000 rate. CIBOTIUM SCHIEDEI, king of ferns, the pride of every flower store. Orders booked now for young stock for growing on. Ready March, April and May. J. F. Anderson, Fern Specialist, Short Hills, N. J.

Ferns, assorted for dishes, 10 of the best varieties, strong, healthy, full grown plants, from 2 1/2-in. pots, \$3 per 100; \$25 per 1,000; 3-in., \$6 per 100. Asparagus plumosus, 3-in. pots, \$6 per 100; \$50 per 1,000. Coos Weddelliana, 2 1/2-in. pots, 8 to 10 ins. high, \$10 per 100; \$85 per 1,000. Frank N. Eskesen, Madison, N. J.

Fern Whitman, 2 1/2-in., 3c; \$25 per 1,000. John A. Doyle, Springfield, O.

Ferns, Amerpohli, Whitman, Pierson and Boston, 2 1/2-in., \$2.50 to \$3 per 100; 4-in., \$6 per 100. Asparagus Sprengeri, field-grown, ready for 6-in. pots, \$20 per 100. Metairie Ridge Nursery Co., Ltd., 141 Carondelet St., New Orleans, La.

Ferns, Improved Elegantisima, 4-in., \$3 per doz.; 6-in., \$9 per doz.; 8-in., \$12 to \$18 per doz. Superbissima, 4-in., \$3 per doz.; 6-in., \$6 to \$9 per doz.; 8-in., \$12 to \$18 per doz. Boston, Pierson, Whitman, Scott, 6-in., \$6 per doz.; 8-in., \$12 per doz. F. R. Pierson Co., Tarrytown, N. Y.

Ferns, Boston, 6-in., 75c each; \$8 per doz.; \$60 per 100; 7-in., \$1 each; \$10 per doz.; \$75 per 100; 8-in., \$1.25 each; \$14 per doz.; \$100 per 100. Vaughan's Seed Store, Chicago and New York.

Nephrolepis, Whitman, 4-in. pots, 8c each; 3-in. pots, 5c each; 2 1/2-in. pots, 3c each; 2 1/2-in., 2 1/2c each; runners, 1c. Ley & Bro., Highland, N. Y.

Ferns for dishes, asst., 2 1/2-in., \$3.50 per 100; \$30 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

Fern Nephrolepis Giatrasii, 2 1/2-in., \$3.50 per doz.; \$25 per 100; \$200 per 1,000. George Giatras, 463 Summit Ave., W. Hoboken, N. J.

Ferns, Boston and Scott, 3-in., \$5 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Ferns, Boston, 3-in., 8c each. Mosbaek Greenhouse Co., Onarga, Ill.

Ferns, Boston, 3-in., 25c each. Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. Whitman, 2 1/2-in., \$5 per 100. Henry H. Barrows & Sons, Whitman, Mass.

## FEVERFEW.

Feverfew, R. C., 75c per 100 prepaid. Chas. Frost, Kenilworth, N. J.

Feverfew, from seed bed, 1 1/2c; 2 1/2-in., 3c. Mosbaek Greenhouse Co., Onarga, Ill.

## FICUS.

Ficus elastica, 22-24 ins., \$6 per doz.; \$50 per 100. Frank Oechslein, 4911 Quincy St., Chicago.

## FUCHSIAS.

Fuchsias, 6 vars., 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

## GERANIUMS.

Geraniums, strong 2-in. stock, Heteranthe, Nutt, Jean Vland, La Favorite, L'Aube, Hill, \$2 per 100; \$18 per 1,000. Our selection, \$17 per 1,000. Pamela, \$4 per 100. Anastasie Lecadre, \$3 per 100. Red Wing, the best novelty of the season, 25c each; \$2.50 per doz. Write for geranium catalogue. F. H. DeWitt & Co., Wooster, Ohio.

Geraniums, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Vland, Castellane, Poltevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$5 per 100. Mme. Salleron, 2-in., \$3 per 100. G. M. Emmans, Newton, N. J.

Geranium, Ricard, Nutt, Buchner, from 2 and 2 1/2-in. pots, extra fine lot of strong, cool grown plants, \$2.25 per 100; \$20 per 1,000; mixed, \$2 per 100; \$18 per 1,000. Well packed. J. R. Brooks, Oxford Depot, N. Y.

Geraniums, Standard vars., 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. Ivy leaved, 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, 8 vars., 2 1/2-in., \$3 per 100; \$25 per 1,000. Jos. H. Cunningham, Delaware, O.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It



**ROOTED GERANIUM CUTTINGS**—Selected stock, Nutt (dark red), Grant (bright red), Poitevine (salmon), Viaud (pink), Buchner (white), Extra nice stock for delivery May 1st, \$12.50 per 1,000; \$1.50 per \$100. Cash. The W. T. Buckley Co., Springfield, Ill.

Geraniums, standard varieties, 2½-in., 3c each, \$25 per 1,000; 3-in., 6c each, \$50 per 1,000; 4-in., 10c each, \$90 per 1,000. Mme. Sallerol, 3-in., 4c. Mosbaek Greenhouse Co., Onarga, Ill.

Geraniums, Mrs. Parker, 3-in., \$5 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Geraniums, Heteranthe, Doyle, 4-in., \$7 per 100. West End Greenhouses, Lincoln, Ill.

Geraniums, apple, 2-in., \$2; 3-in., \$4 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, R. C. Ricard, S. A. Nutt, \$10 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, \$1.25 per 100. Golden West Nurseries, Los Gatos, Calif.

## GREENS.

Greens, fancy and dagger ferns, \$2.00 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large bales, \$1.25; Leucothoe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch, 50 lbs., \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, dagger and fancy ferns, \$1.50 per 1,000. Bronze and green galax, \$1 per 1,000; \$8.50 per 10,000. Leucothoe Sprays, \$1 per 1,000; \$7.50 per 10,000. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, southern wild smilax, Log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, hardy ferns, \$1.40 per 1,000. Baled spruce for cemeteries. L. B. Brague & Son, Hinsdale, Mass.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 33 W. 28th St., New York.

Greens, cut palmetto and cycas leaves, galax, leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

## HARDY PLANTS.

Hardy perennials, 2-in. pots, Delphinium Belladonna, everblooming hardy larkspur, \$3.50 per 100; \$30 per 1,000. Dianthus Lat. atroc. fl. pl., everblooming, \$2 per 100. Myosotis palustris semperflorens, \$2 per 100. Shasta daisy, \$2 per 100. A. Hirschleber, Riverside, N. J.

Dreer's hardy delphiniums. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Perennial phlox, named varieties, field-grown, \$5 to \$10 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Hardy perennial plants. For varieties and prices, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Perennials. All of the most desirable varieties. Let us know your wants. Wagner Park Conservatories, Sidney, O.

Moonvines, 2½ in., \$5 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Perennials and other hardy plants. Pallsades Nurseries, Inc., Sparkhill, N. Y.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

## HELIOTROPES.

Heliotrope, Miss Bernice, 2½-in., \$8 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Heliotrope, R. C., prepaid, 75c per 100. Chas. Frost, Kenilworth, N. J.

Heliotrope, 2-in., \$2 per 100. Geo. M. Emmons, Newton, N. J.

## HOLLYHOCKS.

Hollyhocks, double field-grown, true to color, strong stalk, red, white, pink, yellow, maroon and black; colors separate. Also Al-legheny or Everblooming in mixture, \$3 per 100; \$25 per 1,000. Going fast. Order today. Cash. W. W. Wilmore, Box 382, Denver, Colo.

Hollyhocks, double, in separate colors, out of 4-in. pots, extra heavy and healthy. Price \$8 per 100. A. L. MILLER, Florist and Nurseryman, Jamaica Ave., Opp. Schenck Ave., Brooklyn, N. Y.

Hollyhocks, assorted, 2½-in., 3c. Mosbaek Greenhouse Co., Onarga, Ill.

## HYDRANGEAS.

Hydrangea Arborescens Grandiflora Alba. The true large flowering forcing variety, warranted true, 2½-in. pots, \$3 per 100; 1-year field-grown, strong, 12 to 18 inches, \$6 per 100; \$55 per 1,000. New trade list ready. Write for it today. The Good & Reese Co., The Largest Rose Growers in the World, Springfield, O.

Hydrangea Arborescens Grandiflora. We have the largest stock of strong 2-year plants in America. Plants 2 to 3 feet, \$2.50 per doz; \$15 per 100; \$140 per 1,000. Good plants, 15 to 20 inches, \$10 per 100. List free. E. Y. Teas, Centerville, Ind.

Hydrangea Arborescens Grandiflora Alba (grown from stock obtained from The E. G. Hill Co.). Field grown 15 to 20 ins., \$7 per 100; \$65 per 1,000; a smaller size, \$5 per 100; 2½-in., \$3 per 100; \$25 per 1,000. John A. Doyle, Springfield, O.

Hydrangea Otaksa, rooted cuttings at \$1.50 per 100. J. H. Flessner, Hamilton Ave., North Bergen, N. J.

Hydrangea paniculata, grandiflora, 18 to 24 ins., 6c; 2 to 3 ft., 9c. Dingee & Conard Co., West Grove, Pa.

## IVY.

Ivy, hardy English, 4-in. pots, very bushy, 3 to 4 ft. tall, \$15 per 100. John Reck & Son, Bridgeport, Conn.

Ivy, German and parlor, 2-in., \$2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

English ivy, staked up, 4-in. pots, \$10 per 100. Cash. John Irvine & Sons, Bay City, Mich.

## JERUSALEM CHERRIES.

Solanum, Jerusalem, cherries, seedlings, 1c each. Mosbaek Greenhouse Co., Onarga, Ill.

## LANTANAS.

Lantanas, 5 vars., 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

## LILACS.

Lilacs. Jacs Smits, Naarden, Holland.

## LILY OF THE VALLEY.

### To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

### From Storage.

Lily of the valley, cold storage, 250, \$3.50; per 1,000, \$13. W. C. Beckert, Northside, Pittsburg, Pa.

Lily of the valley, H. N. Bruns, 3040 W. Madison St., Chicago.

Lily of the valley, cold storage, \$12.50 per 1,000. Buds, 76 Barclay St., New York.

## LOBELIA.

Lobelia Kathleen, Mallard, and Newport Model, 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lobelia Kathleen Mallard, 2-in., 2c. J. L. Schiller, Toledo, O.

## MYOSOTIS.

Myosotis, early flowering, 3-in., \$4 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

## MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

Mushroom Spawn. Sure crop, \$8 per 100 lbs. Weeber & Don, 114 Chambers St., N. Y.

## NURSERY STOCK.

Nursery stock, evergreens, shade and ornamental trees, shrubs, vines, trained dwarf and standard fruit trees, grape vines, small fruits. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, conifers, boxwoods, azaleas, rhododendrons, forest and fruit trees, hedge plants, etc. S. A. Vosters & Sons, Riel, Holland.

Nursery stock, Clematis, ampelopsis, tree hydrangeas, lilacs, shrubs, vines and perennials. Jackson & Perkins, Newark, N. Y.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock arbor vitae (Thuya occidentalis), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Viburnum plicatum, 2 to 3 ft., 12c. Dingee & Conard Co., West Grove, Pa.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

## ORCHIDS.

Orchids importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchid peat, rotted azelea peat, leaf mold, live or baked sphagnum mosa. C. W. Brownell Co., Walden, N. Y.

Orchids, Cattleya Trianae, labiata, Warneri, Dendrobiums, Oncidium V. Rogersii. G. L. Freeman Co., Fall River, Mass.

Orchids, all commercial, cattleyas and novelties. Carillo & Baldwin, Seacausus, N. J.

Orchids. Largest stock in the country. Julius Roehrs Co., Rutherford, N. J.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

## PALMS.

Palms, Kentias, in 2½-in. pots, \$8 per 100; \$75 per 1,000. Jackson & Perkins Co., Newark, N. Y.

Palms, Kentias. Joseph Heacock Co., Wyncote, Pa.

Palms, Bobbink & Atkins, Rutherford, N.J.

## PANSIES.

Ready now, 250,000 fine large, fall transplanted pansies in bud and bloom. Superb strain; the finest market strain grown. A trial order will convince you that they are the best you ever had. You need them for your particular trade. Price, \$1.25 per 100; \$10 per 1,000. Cash with order. Leonard Cousins, Jr., Concord Junction, Mass. Telephone 82 Concord.

50,000 field-grown pansy plants. They never saw either a cold or hot bed, strong, husky plants; beautiful blooms. They are the kind that sell and please, \$20 per 1,000. Albert A. Sawyer, Pansy Specialist, Pansy Garden, Oak Park, Ill.

Pansy plants, Kenilworth strain from fall sown seed, prepaid, 50c per 100; large, \$1; 1,000 by express, \$3; large, \$8. Chas. Frost, Kenilworth, N. J.

Pansy plants, 50c per 100; \$2.50 per 1,000; large plants, \$2.50 per 100. Jos. H. Cunningham, Delaware, O.

Pansy and verbenas baskets 10x5x3, \$5 per crate of 500. L. D. Robinson, Jr., 182 Main St., Springfield, Mass.

Pansies, fine strong plants, \$5 per 1,000. Mosbaek Greenhouse Co., Onarga, Ill.

Pansies, 75c per 100. Golden West Nurseries, Los Gatos, Calif.

Pansies, \$2 per 1,000. J. C. Schmidt, Bristol, Pa.

## PENNISETUMS.

Pennisetum Ruppelianum (fountain grass), 2½-in., \$2.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

## PELARGONIUMS.

Pelargoniums, novelties, 2½-in., 25c each; \$2.50 per doz. Emanuel Lias, King Haakon, King of Spain, Ladas, Lady Churchill, Prince Olaf. Standard sorts, 2½-in., \$1.50 per doz.; \$10 per 100; 3-in., \$2 per doz.; \$12 per 100; Countess, Dorothy, Goldmine, Mme. Thibaut, Mme. Vibert, Mrs. R. Sandford, Marie Mallet, Princess May, Sandford's Best, Sandford's Wonder, Surprise, Tommy Dodd, Mrs. Loyal, Vaughan's Seed Store, Chicago and New York.

## PEONIES.

Peonies, all vars., Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars., W. & T. Smith Co., Geneva, N. Y.

Peonies only by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

Peonies, a superb collection. Jackson & Perkins Co., Newark, N. Y.

## PEPPERS.

Celestial peppers, from seed bed, \$1 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

## PETUNIAS.

Petunias, dbl. mixed, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. Dreer's single, same price. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Petunias, dbl. fringed, 5 good vars., rooted cuttings, 1c. J. L. Schiller, Toledo, O.

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Petunias, dbl., \$3 per 100. Joseph H. Cunningham, Delaware, O.

### PRIMULAS.

Primula obconica, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

### PRIVET.

50,000 California privet and Ampelopsis Velchii, field-grown. Benj. Connell, Merchantville, N. J.

### RHODODENDRONS.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

### RESURRECTION PLANTS.

Resurrection Plants.—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$3.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis E. Lester Company, Dept. L. S., Mesilla Park, N. M.

### ROSES.

#### ROSE PLANTS, 2½-INCH POTS.

|                    |     |      |
|--------------------|-----|------|
|                    | 100 | 1000 |
| Kaiserin .....     | 4   | 35   |
| Mrs. Jardine ..... | 4   | 35   |
| Richmond .....     | 3   | 25   |

WIETOR BROS.

51 Wabash Avenue. Chicago.

Roses, 2-in., Maid and Bride, \$3 per 100; \$20 per 1,000. My Maryland, \$5 per 100; \$40 per 1,000. Mrs. Jardine, \$4 per 100; \$35 per 1,000. Bench Richmond, \$4 per 100; \$30 per 1,000. J. A. Budlong, 37-39 Randolph St., Chicago.

Roses, grafted and own root, Killarney, Richmond, My Maryland, White Killarney, Kaiserin, Bride and Bridesmaid. W. H. Elliott, Brighton, Mass.

Roses, hardy field-grown. For varieties and prices, see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Roses, for varieties and prices, see page advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Roses, grafted stock, Killarney, White Killarney, Bride, Maid, My Maryland, 2½-in., \$15 per 100; \$125 per 1,000. C. H. Totty, Madison, N. J.

Taft rose, 2½-in., \$15 per 100. J. M. McCullough's Sons Co., 316 Walnut St., Cincinnati, O.

Roses, Bride, Maid, Golden Gate, 3-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

Roses, Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

Roses, Bridesmaid, 2-in., 2½c. W. W. Coles, Kokomo, Ind.

Roses, leading varieties. E. G. Hill Co., Richmond, Ind.

New Rambler (violet blue). Ellwanger & Barry, Rochester, N. Y.

Roses, leading varieties. Leedle Floral Co., Springfield, O.

Roses, 3-in., Wood Bros., Fishkill, N. Y.

### SALVIAS.

Salvia Zurich, R. C., 1c, from 2-in., 2c; from 3-in., 3½c. Bavaria, the white Zurich, 1910 introduction from 2-in. pots, \$1 per doz. J. L. Schiller, Toledo, O.

Salvia Bonfire, strong, 2-in. plants from seed, ready to shift, \$1.75 per 100; \$17 per 1,000 cash. This is fine stock, must move it to get room. N. E. Beck, Massillon, O.

Salvia Splendens and Bonfire, transplanted seedlings, prepaid, 75c per 100. Chas. Frost, Kenilworth, N. J.

Salvias, 2½-in. pots, 3c each; \$2.50 per 100. Fine aster plants, \$2.50 per 100. B. F. Castner, Washington, D. C.

Salvia Bavaria (the white Zurich), 1910 introduction, nice plants, 2-in., \$1 per doz. J. L. Schiller, Toledo, O.

Salvias, Zurich, Bonfire and Splendens, 2½-in., \$2.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Salvia Zurich, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

### SEEDS.

Seeds, onion, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, pansnip, radish salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

HYBRID GERBERAS (Adnet's strain), Crop 1910, \$9 per 1,000 seeds; \$60 per 10,000 seeds, from the originator. Cash. Adnet, Antibes, France.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, sweet peas, for varieties and prices, see advertisement elsewhere in this issue. Weeber & Don, 114 Chambers St., New York.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, Phoenix Roebeleni. Sander, T. Mellstrom, Representative, 235 Broadway, New York.

Seeds, turnips: Seven-Top, Dixie, Frost King, Prize Taker. D. Landreth Seed Co., Bristol, Pa.

Seeds, specialties, Stocks, pansies, cyclamens, etc. Pape & Bergmann, Quedlinburg, Germany.

Seeds, Stokes' standard. 219 Market St., Philadelphia.

Seed, pansy, 1,000 seeds, 25c; 1 oz., \$2.25. H. Wrede, Luneburg, Germany.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds. Landreth Seed Establishment. Bloomsdale Farms, Bristol, Pa.

Seeds, Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Vegetable seeds, plants, sold direct. Catalogue free. Glick Seed Farms, Lancaster, Pa.

Seeds. Bermuda onion. Federico C. Varela, Tenerife, Canary Islands.

Seed, asters. Vick & Hill, Box 4613, Rochester, N. Y.

#### Contract Growers.

Seeds, peas, beans, Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, field, garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, sweet peas. Anton Zvolanek, Boundbrook, N. J.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbena. Waldo Rohmert, Gilroy, Calif.

Seeds, Cauliflower and cabbage. Hjalmar Hartman & Co., 31 Barclay St., New York, and 12 Stormgade, Copenhagen.

Seeds, growers for the wholesale trade only. Braslan Seed Growers' Co., San Jose, Calif.

California seed contracts. Kimberlin Seed Co., Santa Clara, Calif.

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Smilax, 2½-in., \$3 per 100. West End Greenhouses, Lincoln, Ill.

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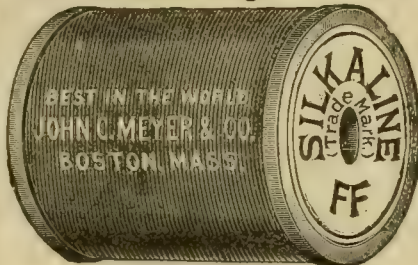
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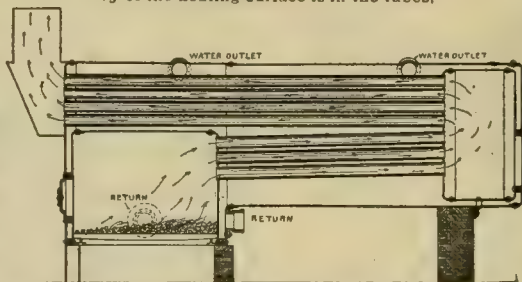
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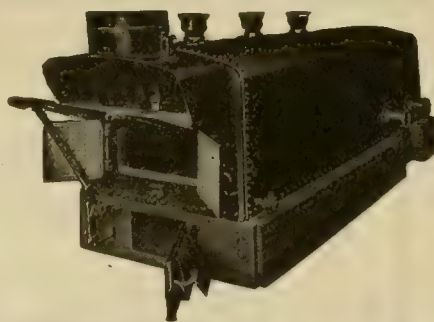


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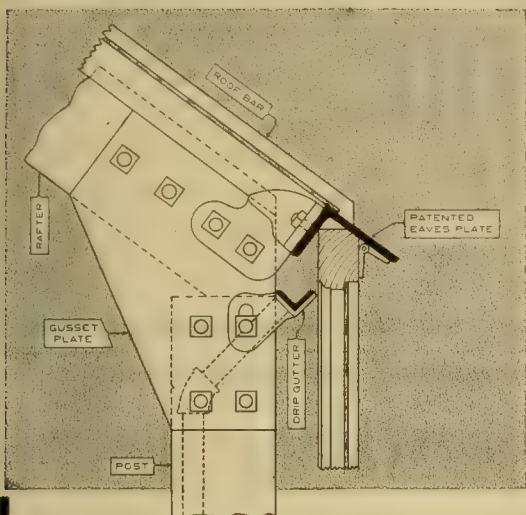
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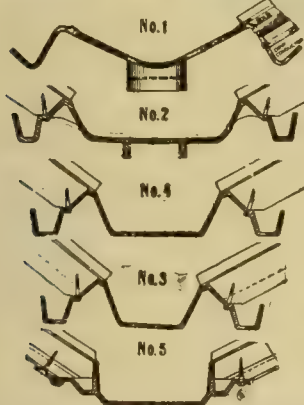
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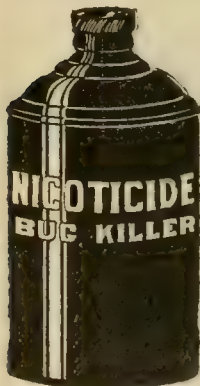
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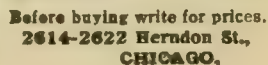
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Vol. XXXIV. CHICAGO AND NEW YORK, APRIL 30, 1910. No. 1143

## THE AMERICAN FLORIST

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Copyright, 1910, by American Florist Company.  
Entered as Second-Class Matter Nov. 11, 1891,  
at the Post Office at Chicago, Illinois,  
under act of March 3, 1879.  
PUBLISHED EVERY SATURDAY BY  
**AMERICAN FLORIST COMPANY,**  
324 Dearborn St., Chicago,  
Long Distance Phone: Harrison 7465.  
Eastern Office: 1133 Broadway, New York.  
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Subscription, United States and Mexico, \$1.00 a  
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umes half yearly from August, 1901.  
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Second National Flower Show, Boston, Mass.,  
March, 1911.

**THE AMERICAN CARNATION SOCIETY.**  
Next annual convention and exhibition at  
Boston, Mass., March, 1911. FRED. BURKI,  
Pittsburg, Pa., President; A. F. J. BAUR, Thirty-  
eighth St. and Senate Ave., Indianapolis, Ind.,  
Secretary.

**AMERICAN ROSE SOCIETY.**  
Next annual meeting and exhibition at Bos-  
ton, March 1911. WM. H. ELLIOTT, Brighton,  
Mass., President; A. FARENWALD, Roslyn, Pa.,  
Vice President; BENJAMIN HAMMOND, Fishkill-  
on-Hudson, N. Y., Secretary.

**AMERICAN PEONY SOCIETY.**  
Seventh annual meeting at Horticultural Hall,  
Boston, Mass., June 1910. B. H. FARR, Reading,  
Pa., Pres.; A. H. FEWKES, Newton Highlands,  
Mass., Sec'y.

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See Page 699.**

### WINDOW BOXES AND LAWN VASES.

**Filling Window Boxes.**  
Every indication at present points to an extremely early season and there is no doubt that customers will want their window boxes fixed and put in order much earlier than usual. For some reason, evergreens that were planted last fall in porch boxes and pedestal vases have stood very badly and are dying or dead and these look very unsightly these fine spring days. There is a good deal of work where there is a large number of window boxes to fill and anyone who has it in charge must have ample help, and help of the right character. The soil will, of course, have been previously prepared and must be richer than is used for plants generally, for the vines and flowering plants take a lot of sustenance, especially during a hot, dry summer, and the space is limited. Raw, fresh manure is not needed nor is old, dried out material that has all the nature burnt out of it, for this is simply the shell that held the nutri-  
ment. Good cow manure that has been laid up thinly for a few weeks to dry is one of the finest stimulants such plants can have. It is mild in action, cool to the roots and lasting while the lumps into which it has to be broken keep the soil free and open in a mechanical way. A fairly good substitute can be found in any of the excellent fertilizers now on the market, though these are usually quicker and less lasting in their action than the cow manure. Good rough bone meal is a good addition to the soil for this purpose, forming a larder for the roots for quite a long time and giving off its food in small and suitable quantities as desired.

Window boxes to carry a good display of flowering plants and vines through the season should be at least eight inches deep and nine inches is a better depth except in some instances, where they have to be kept as low as possible to prevent darkening the rooms. Each drainage hole in the bottom of the boxes should be covered with a piece of broken flower pot with the concave side down to allow the

water to escape. Over this an inch or a little more of strawy manure must be firmly placed, this again being covered with some of the rougher parts of the soil. This kind of makeup will insure the soil keeping in place and not silting down, leaving dirty streaks on the walls or clogging up the drainage holes. As a rule, the soil can be filled in to within about four inches of the top of the box, but a little more can be left if the stock to be planted is in larger pots than usual. The front of the boxes is the most important part and this should be filled in first. Vines of some kind are usually chosen for this and sufficient should be used to furnish the boxes well. The advantage of plants with plenty of top will be seen here, as one large plant takes up less room at the root than two small ones and makes an equally good showing in the box front. One person should stand in front of the box when possible and direct the planter how to place the stock to the best advantage. After the front row is planted take the back, filling in with the taller plants. Then see that the soil is thoroughly worked in between the plants back and front, leaving no holes to settle afterwards, and then fill up the middle with whatever plants are used. A thorough soaking, not a mere dribble of water, but enough to moisten every inch of soil, should be given before placing the boxes in position and the superfluous water allowed to drain away. Of course in the case of large, heavy boxes these have to be filled in place and the work is more difficult, especially when the position is not very accessible. When they are over streets on which the public is passing only the most careful men must be trusted with the work or there is likely to be trouble ahead for the florist, owing to material being allowed to fall. When finishing the surface of the soil a light mulch of well decayed manure helps to keep the soil cool and moist and less frequent waterings will be needed.



**Plants for Window Boxes and Vases.**

There is no lack of variety in the stock suitable for planting in window boxes, vases and similar receptacles. A plant that does not get the recognition it deserves in this country is the ivy leaved geranium or pelargonium. The plants are extremely free flowering, of elegant habit and very beautiful when at their best. They are easily propagated in quantity, flower over an extremely long season and have fewer faults and more virtues than almost any other subjects that could be used for the purpose. The better

**Lawn and Porch Vases and Baskets.**

In filling lawn, pedestal and porch vases, baskets and similar receptacles, a little different treatment is necessary to that of ordinary window boxes. The view of the front is open all around and when planting these the vines should all be planted before filling in the center. The same thing is necessary in porch boxes where both sides show and where vines are used all around. In some positions these have to be kept low so as not to obstruct the view from windows opening on to the porch or veranda; in others

causing the loss first of all the color and afterwards the leaves themselves. The common tradescantia or creeping sailor is another excellent vine, though it does not flower and there are many others that are suitable, such as *Tradescantia zebrina*, *panicums*, green and variegated and *vincas*. The soil and treatment necessary are the same as advised for the boxes, but the baskets in many cases have to be lined with moss to prevent the soil silting out before the roots of the plants are sufficiently advanced to hold it in position. In the concrete and iron vases now so much used in outdoor gardening the soil around the edges is very apt to dry out rapidly. This can be prevented to some extent by leaving it low around the edges and high in the center, thus giving the water a tendency to run to the edges instead of away from them. This may seem a small matter, but it makes a great difference to the health of the vines.

**Memorial Day Preparations.**

This is the busy time for the greenhouse departments connected with the large cemeteries. The final rush is now on, pushing along the various stocks for planting out next month and for Memorial day sales. Any plants that are showing signs of becoming exhausted in the pots they are now in should be shifted into a little larger pot, while there is still time. May 1 should find all stock in such shape that the only work necessary with it will be to care for it as regards watering and ventilating and spacing out to prevent an overdrawn growth. But it is just as much a poor policy to have the plants overdone and exhausted as it is to have them a little behind, for if a plant is small and in active growth it will recover from the transplanting outside quicker than an exhausted root-bound plant and give better satisfaction. Be prepared for this contingency. *Heliotrope*, *marguerites*, *fuchsias*, *ageratums*, *coleus* and all kindred quick growing plants that show signs of getting hard should be shifted to put them into active growth



WINDOW BOXES AT BUFFALO, N. Y.

known varieties of the *Mme. Crousse* order are of scandent habit, but there are some varieties, probably hybrids between the zonal and the ivy-leaved types, that are more erect. They make fine baskets planted in mixture provided due care is used in selecting colors that do not clash. Simple but effective and showy baskets or vases may be made by planting the dwarf blue *lobelia*, *coleuses*, white *marguerites* and *geraniums* with a few trailing vines of the *vinca* or *tradescantia* order. Larger vases require bolder treatment and here the finer varieties of *cannas*, *Caladium esculentum*, *dracænas*, *ficus*, *crotons* and *pandanus* are very suitable. *Aralia gracillima* is a fine subject for planting in this class of receptacle, thriving either in sun or shade and standing well until late in the season. We saw plants of this last year taken out of window boxes in September in splendid condition, though they had been growing in almost total shade. It is one of the most attractive of foliage plants in existence for the purpose. When the baskets or vases are of a size that can be brought inside for filling this is a great advantage, for the plants are, by this means, well established before they go outside. Even in dwelling houses when there is no greenhouse it is possible to gain a good deal of time by planting early and placing on the porch or veranda by day and lifting inside at night. The bright days of May help the plants to get established and well in flower—settled down, as it were—before Memorial day, if only they can be protected from frost at night.

taller, graceful plants have to be used in the center, this being more particularly the case in pedestal vases, on lawns or walks. Suspended baskets depend for their success more upon the vines used than the center plants, as these are most in sight. In the partial shade of a porch an elegant vine for basket use is *Thunbergia alata*. It is not that this plant does not enjoy a fair amount of sun, but exposed fully to the hot sun of summer the leaves are apt to be attacked by red spider which soon ruins the plants entirely.



A PRETTILY ARRANGED WINDOW GARDEN.





VERANDA BOX BY THORLEY, NEW YORK.

Kentias, Phoenix, Ficus Pandurata and Ivy in Terra Cotta Box.

again. At this season plant growth is so rapid that a week or 10 days after potting will find them going ahead again in good shape. It is now too late to do any shifting of geraniums and have them in first class shape for Memorial day sales, but a batch of these plants should be coming along for later sales. Young plants now in  $2\frac{1}{2}$  or 3-inch pots can be potted into  $3\frac{1}{2}$  and 4-inch at this time. These will make ideal stock for summer sales, much to be preferred to the larger left over stock from Memorial day.

The alternantheras should now be in the hotbeds and pushed along with a steady heat of  $75^{\circ}$ , being careful to guard against any drying out. Give air on every favorable occasion but do not allow any strong draughts. A small crack of air will suffice until the plants have become established again after potting. Echeverias, if overcrowded in the boxes, should be re-boxed and given more room; those that have attained the required size can be treated to a cool temperature and by May 1 can be transferred to cold frames, but those that are still undersized should be given a gentle bottom heat in a hotbed for a short while. Lobelia and stocks that have

been transplanted in flats can now be potted into  $2\frac{1}{2}$ -inch pots and plunged outside in cold frames, keeping the glass on with plenty of ventilation until the flowers appear when it can be removed every day that the weather is favorable. Verbenas, ageratum and Vernon begonias should be given their final shift into  $2\frac{1}{2}$ -inch pots which is plenty large enough for these plants, using a light soil for quick growth. The hydrangeas of the hortensis type should now be showing their heads of bloom just above the foliage. Stock in this condition will come in just right for May 15 to 30. These plants must have close attention as regards watering; they will need going over twice a day to prevent wilting, and if any show signs of starvation treat them to liquid manure once a week or an occasional dressing of pulverized sheep manure. Give them plenty of room to develop. Also allow plenty of air and a cool temperature to insure a well hardened plant.

Hydrangea arborescens grandiflora alba promises well for Memorial day. Fine large bunches of buds are beginning to show, indicating fine trusses of bloom later on. This type of hydrangea does not require the amount of

water the hortensis type does, neither are the plants such gross feeders, the roots being very fine as compared with those of hortensis. Pansies should now all be out in the frames and the glass kept off, except during very heavy rains. They should not be allowed to dry out too much and the beds should be kept free of weeds. It will be a difficult matter to hold the forget-me-nots to Memorial day in good shape if this warm weather keeps up. Pinch out all the old flowers as soon as they are finished and when watering avoid as much as possible wetting the crowns of the plants.

Roses in pots should now be budding up and in shape to take plenty of water and an occasional watering with liquid manure. Give plenty of ventilation at all times to promote a sturdy hardened growth; do not cramp the plants for room but allow for their proper development.

The English ivy can now be removed to cold frames to be given a thorough hardening off before planting out, also the Mme. Salleroi geranium. It is best to plunge the pots a little to prevent their being knocked over when watering—and to allow for them to have a little space between each plant.

C. W. JOHNSON.



## Notes on the Chicago Parks.

## LINCOLN PARK.

The earliness of the season is nowhere better shown than in the flower garden at Lincoln park. The tulips were all out and at their best at the time of our visit, April 21, almost a month earlier than last year. The varieties have been well chosen to flower simultaneously and although *Coleur Cardinal* was not quite as forward as the others it was practically at its best. This is a fine tulip and cannot be left out of any collection of bedders. The best white here is *La Reine* and the beds planted to this are excellent. The large mixed beds, too, are good, as are the beds around the fountain of King of the Yellows. *Cottage Maid* is good, but something has happened to kill off quite a number of the bulbs and this, as well as one mixed bed, is patchy. There must be something in the soil in these beds, for the other portions of the same beds are as good as any others in the place. *Vermilion Brilliant* is another grand thing, certainly the most showy tulip now flowering.

Outside of the flower garden everything looks fresh and green and more like June than April. The double plums are in full flower and all the shrubs and trees are very forward. In the herbaceous garden the grape hyacinths, white and blue, are finely flowered and with the dwarf *Phlox subulata*, one or two of the crowfoot family and early narcissi make a bright and welcome bit of color. *Tulipa sylvestris* is already in flower and many other things are rapidly advancing. The white *trillium* is also in flower, being well established here. Head Gardener Scheile is also establishing some of the hardy orchids and they are starting up and looking well. This is an interesting part of the park and all interested in hardy plants should visit it frequently during the coming season.

In the greenhouses, propagation and preparations for the bedding season are going on and there are large stocks of all kinds of plants for the purpose. Cannas and foliage plants generally are largely used and all are in fine condition. The orchids are attractive, *Cattleya Mossiæ* being naturally a feature. *C. Prince of Wales*, a hybrid between *C. fimbriata* and *C. Mossiæ Wagneri*, is in fine condition. The sepals and petals are pure white, the lip prettily marked with purple. *Lælio-Cattleya Corbielense*, a cross between *Lælia Dayana* and *Cattleya Loddigesii*, has the habit of the latter and flowers more nearly resembling those of the *lælia*. *Cattleya Aclandiae*, *C. citrina* and several others are flowering finely and there is a good show of *Vanda suavis* and *V. tricolor* and various *phalænopsis*. The conservatories are gay with flowering plants including some elegant rambler roses, cinerarias, azaleas and others and the whole place is very neat and clean.

## GARFIELD PARK.

The palms and other stock in the big conservatory on the west side are looking fine and the details of the planting scheme are beginning to be more apparent. There are many interesting plants that are not usually seen and, as they have at present

plenty of room to develop, their habit can be seen more distinctly than is usual at such places where only the stems are visible, the growth being close up to the glass. The fernery, too, is very beautiful now, the plants making a magnificent growth. The water basin is being cleaned out and the place put in order. In the show house there is a fine display of greenhouse grown rhododendrons and *Azalea mollis* in big, showy groups as they should be shown, the center bed being devoted to *calceolarias*. The house devoted to foliage plants is in fine condition and at one end is a good display of orchids, consisting of *Cattleya Mossiæ*, *Phaius grandifolius*, a good showing of *cypripediums* and a number of fine forms of *Dendrobium nobile*. Gardener John Sells is to have his troubles again with the glaziers, it having been decided to spend another \$50,000 on the roof this year. They are only waiting for warmer weather to begin the work.

In the propagating houses are some 25,000 geraniums with all other bedding stock in similar large quantities. At Douglas park more flowers have to be used this year, as some of the inhabitants are feeling they have not been well treated in this respect. Consequently Jens Jensen is revising his original plans for this park, allowing for more flower beds and less shrubs, and this makes an additional drain on the resources at the Garfield park greenhouses. South of the greenhouses on Madison street the tulips are now at their best and making a good show, though some of the varieties—notably *Murillo*—are a trifle uneven. *Proserpine* and others are fine and the immense beds make a very fine display.

## HUMBOLDT PARK.

Humboldt park is rapidly becoming one of the finest in the city. The new plantings carried out a few years

ago are gradually growing into shape and merging into the old just as Mr. Jensen wished them to and the park is losing that raw, new appearance that it has borne for the last few years. There are several very pretty bits of wild planting, notably just north of the rose garden, where phloxes, crowfoot and vincas are prettily blended and flowering freely. This is a charming little bit of work that should be repeated on a much larger scale. Around the edges of the lagoons narcissi in variety are flowering freely and the herbaceous and rock plants are coming into line. Peonies are forwarder here than we have seen them anywhere else in the locality, the flower buds being fully formed and ready to open. The rose garden has been cleaned up and put in order for the summer and the yellow tulips around the fountain basin are very showy and good. This is more than we can say of the "fountains," for we can see very little beauty in these ridiculous looking squirts of water from the mouths of impossible animals.

## JACKSON PARK.

There is a freshness and beauty about Jackson park that we look for in vain in most of the other parks around the city and just now in the first flush of the young spring foliage the shrubs and trees are most beautiful. Among the flowering shrubs now at their best must be mentioned the yellow flowering currant. It is a mass of flowers and the fragrance fills the air for quite a distance around the shrubs. The pretty red bud (*cercis*) is showy and good and many of the *berberises* are also at their best from a flowering point of view, though their true beauty will be more apparent in fall when covered with the bright red fruits. Lilacs, pink and white, plums and pyruses in variety are flowering while the young foliage on the maples,



WINDOW BOXES AT A CHICAGO RESIDENCE.





JOHN BERTERMANN'S DECORATED AUTOMOBILE AT THE INDIANAPOLIS AUTO PARADE.

birches and other trees is superb. The rose garden is being sided up for the summer and the plants are starting up well. In the herbaceous beds around the garden we noticed the English cowslip flowering freely, also a number of other polyanthus forms of primula. The tree peonies are just ready to burst into flower and all the herbaceous plants are starting up strongly after their winter's rest. The whole of the wooded island, in fact, with its birds, squirrels and other animal life, supplementing the beauty of the trees and shrubs, is a pleasant place these bright spring days.

[Since the above was written a change has come over the scene and the wintry weather has sadly crippled the beauty of the foliage in many cases. The lilacs have in most places been ruined and the display generally of flowering plants and shrubs seriously curtailed.—ED.]

HUNTSVILLE, ALA.—A severe hail-storm, April 15, damaged the green-houses of John T. Fischer to the extent of \$3,000.

STAATSBURG, N. Y.—Three large greenhouses, one each for grapes, roses and palms, are being erected on the Dinsmore estate.

NEW YORK.—Hanges & Papagelis, 252 West One Hundred and Sixteenth street, have filed a petition in bankruptcy with liabilities \$4,825 and assets \$30 in accounts.

## THE ROSE.

### Care of the Young Stock.

The young rose stock will need careful handling from now on in several different ways. The plants must be shifted along into larger pots at the right time; never let them become pot-bound and be sure to drain them carefully. Again they must be kept free of weeds; nothing softens up the young stock like a growth of weeds, besides which they take much of the strength from the soil. They should be removed as soon as they are late enough to pull easily. Of course there is considerable skill required to water pot roses properly, and also some patience, for one must make haste slowly. The driest plants should be gone over first and carefully spotted out with the watering pot before giving them a general watering with the hose. Grafted stock requires much more water, as a rule, than own-root stock, owing to a quicker root action and many more roots to the plant being a year ahead of the own-root stock in this respect. The grafts must be tied firmly and it is best to remove all of the raffia and stake the plants as soon as possible after they have been shifted from the small pots. A great many fine plants are often spoiled by neglecting to remove the raffia at the right time. See to it also that the plants are given plenty of room. A very good idea is to

place a row of plants across the bench with the pots touching, and let the room they require be between the rows. When this is done one can syringe with great force without upsetting the plants and force must be used when syringing to keep down the spider.

### SUMMER ROSES.

The summer roses should be carefully looked after at this time, that is, Kaiserin and other varieties that have been kept dormant during the dead of winter and started up of late. Give them plenty of air and stir the mulch frequently; it will not be advisable to let them bloom all at one time and by a little judicious pinching the crop can be split up, which is a great help to the plants, as there would naturally be a great many flowers come with only a few inches length of stem, which had better remain to shape or strengthen up the plants; they should also be kept tied up nicely and kept free of weeds.

The regular stock should be in excellent condition now, as it has had time to take on an extra growth during the bright warm spring days, such as we have experienced here in the eastern states. The plants must be kept mulched, but not too heavily, using thoroughly rotted manure for this work, the mulch being put on chiefly to protect and to keep the roots cool, while the feeding should be accomplished by using liquid ma-



nure once per week at full strength. A little air should be left on the houses now at night and do not be in any great hurry to dispense with the services of the night fireman. The greatest danger lies in the weakening effect the early morning chill has on the plants, caused by condensation, and as long as the weather is cool enough between midnight and daylight to cause the condensation to cover the foliage, so long should the

#### Retail Store of A. I. Simmons, Chicago.

The illustrations herewith give a very good idea of the new store of A. I. Simmons, 242 W. Sixty-third street, Chicago. Mr. Simmons has rebuilt the whole place from the foundations up and the new store is 30x40 feet with a greenhouse at the rear 25x30 feet. The woodwork in the store is in colonial style and is carried out in green, white and mahogany. The ceiling is very decorative and is of steel. The

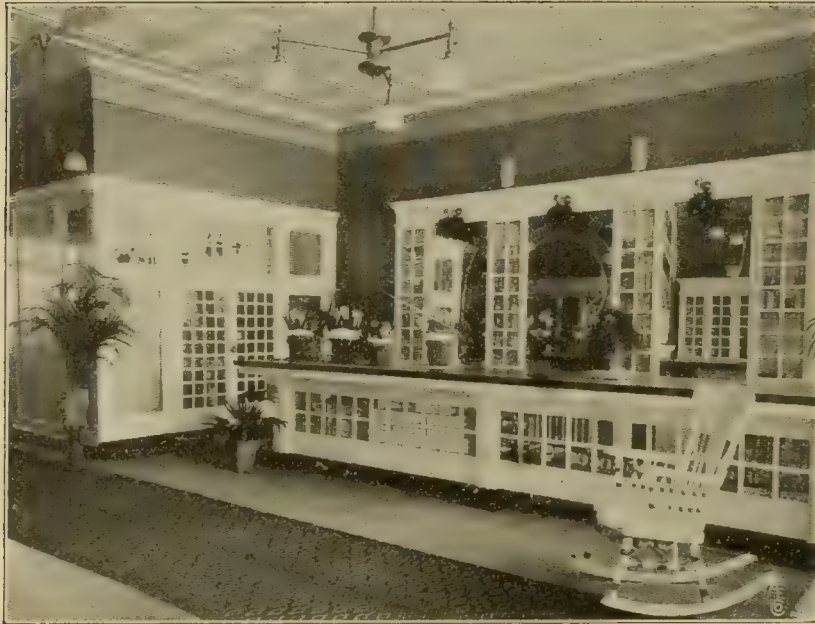
solid piece of cypress 4x20 feet and four inches thick. We congratulate Mr. Simmons on his spirited policy and trust he will continue to receive its due reward in increased custom.

## CHRYSANTHEMUMS

### Current Work.

Propagating the stock for commercial cut flower purposes should be pushed steadily along now, every available cutting in good condition should be taken until the required quantity is in the sand and an allowance made for a small surplus to replace any sickly plants that may crop up or to take care of any increased plantings that may be later decided on. To be able to obtain full double blooms of good size and in good season with the early varieties there must not be any more delay in propagating. They will require all the time possible from this date on to get them in the best condition. The same can be said for most of the second early and mid-season sorts. Successful propagation of chrysanthemums at this season requires a fresh, clean, sharp sand and ample watering of the cuttings to prevent any wilting. Draughts must be guarded against and enough shading provided to keep the cuttings in a fresh, plump condition. As soon as root action has begun pot the cuttings before any weakening occurs by rapid root growth which quickly happens at this season of the year if left over long in the sand.

The early propagated plants being grown on for show blooms or fancy commercial flowers now in 2½ or 3-inch pots should be given larger pots as often as they require them. Firm potting, plenty of ventilation, a cool temperature and space enough between the plants to guard against a spindly growth are the ideal conditions right along for these plants. Do not neglect the fumigation; this is something that if closely followed up now will save lots of trouble after the weather gets warmer. One of the



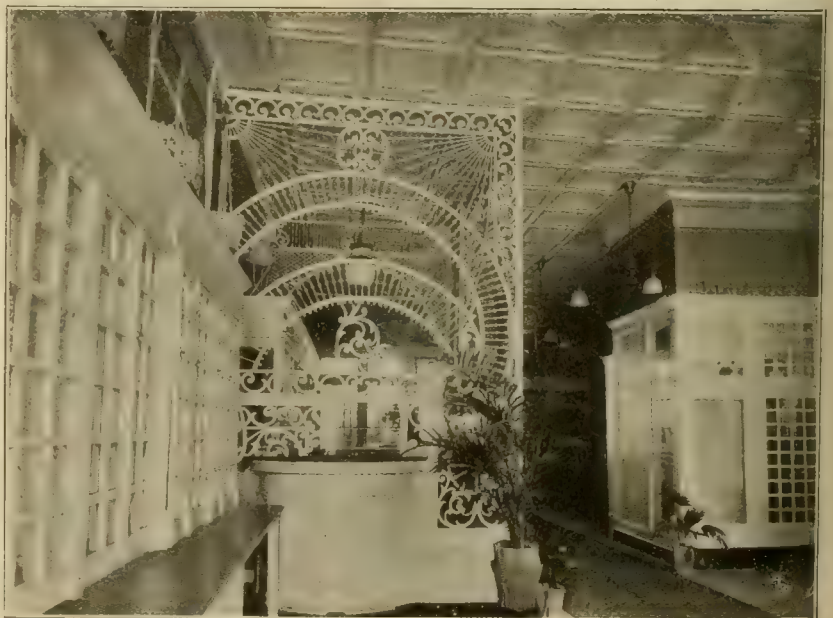
INTERIOR OF THE NEW STORE OF A. I. SIMMONS, SIXTY-THIRD STREET, CHICAGO.

firing continue. Keep the pipes painted regularly with sulphur and do not let the houses heat up quickly in the morning. Raise and lower the ventilators gradually. The buds will from now on lose something in size and substance; especially is this true of the plants that have been forced through the season. By prompt disbudding this can be remedied to a certain extent by pinching out the laterals as soon as they can be handled. Keep everything moving, including the compost and if it comes to taking the men out of the rose houses or hiring extra help, do the latter—it pays. E.

DAYTON, O.—The Florists' Club held its annual banquet April 14 at the Phillips. The floral decorations were beautiful and a number of short talks on things floricultural were interesting.

LA CROSSE, WIS.—The Florists' Association met April 19. P. Zoelner, of the Oak Grove Cemetery Association, gave a talk on the culture of roses and C. E. Schaffer, of the La Crosse Floral Co., talked about carnations and their culture. After this there was a general discussion by those present of these two subjects. At the next meeting Mr. Sallenthin will talk on the watering of plants and Mr. Schaffer on the soil conditions for carnations, after which there will be a general interchange of ideas on these two topics.

fixtures were designed by Mr. Simmons and are certainly a great credit to him as is the store in its entirety. He finds that the new store has increased his business from 40 to 50 per cent, a good indication of how an attractive store, coupled with good treatment of customers, will draw trade. His counter top consists of a



INTERIOR OF THE NEW STORE OF A. I. SIMMONS, SIXTY THIRD STREET, CHICAGO



most important points in growing this high grade stock is to allow the plants to make a short, stocky growth and to avoid any unnecessary coddling. The specimen plants and standards for exhibition purposes should now be making rapid growth. The bright days, allowing for plenty of ventilation and frequent syringings, give conditions favorable to quick plant growth. Do not allow these plants to become root bound for want of potting into a larger size. If this part of the work is not followed up closely the plants get hard and woody, causing them to bud up, a condition that requires considerable time to overcome. At every potting the soil for these plants can be used a little coarser and richer, but plenty of drainage must be provided. The pinching back of the shoots or growths is a very important item and should be looked after every day or two. Keep them well pinched back, as every pinching hastens another shoot and the more shoots the plants can be made to produce from now on so much larger will be the specimen. The standards and half standards should now be forming their heads, and they should have the stems properly supported by being staked up to prevent any toppling over.

The singles, pompons and anemone pompons are very popular now and ideal subjects for growing into large specimens for exhibition or other purposes. Most of them are easy doers and respond readily to this mode of culture. They are of more rapid growth than the large flowered varieties, consequently small plants now can be pushed along into fine specimens by fall. The one most important thing to remember is to keep them well pinched, as they are inclined to leggy growth. The soil or compost heap for the main plantings should be prepared at this time so that it has a chance to become thoroughly incorporated. Choose a stiff soapy loam if possible, using one part of well rotted manure to three parts of soil, mixing them thoroughly; then stack in a pile until needed and keep down any weeds that appear on it.

C. W. JOHNSON.

#### Carnation Mrs. J. C. Vaughan.

The accompanying illustration shows a flower of Carnation Mrs. J. C. Vaughan, nearly four inches across, grown by E. J. Coster, proprietor of the Saskatchewan Greenhouses, Prince Albert, Sask. Mr. Coster has been retailing this variety all winter at \$1.50 per dozen and says that the variety does well with him.

POUGHKEEPSIE, N. Y. — Catherine Powers, widow of the late M. J. Lynch and mother of T. W. Lynch, J. M., J. E., Mary and Catherine Lynch, died April 19 after a very brief illness. Mrs. Lynch had not needed the services of a physician in many years, but a week before her death she took cold and pneumonia followed, to which she succumbed. She married Mr. Lynch about 40 years ago and they located on South street, where both died. After her husband's death Mrs. Lynch and her sons carried on the business and this will be continued by them.

## FLORISTS' PALMS.

### Work in the Palm Houses.

The regular spring housecleaning and repotting should now be in full swing in the palm houses, for thorough work at this season will help materially in the production of good, saleable stock for the following autumn and winter. The heat and moisture that are necessary in the growing of stock of this character bring about conditions that are trying to bench lumber, and unless cypress is the material used for this purpose there are sure to be found many rotten boards, and much repairing that must be done

about of a palm is very liable to loosen it at the collar, and the plants thus handled never grow away so freely as those that are undisturbed after potting. It is natural for these plants to send out some additional roots from around the base, as they make new top growth, and these fresh roots are likely to be disturbed and injured if the plants are carelessly handled.

As to potting soil, it may be said in a general way, that palms enjoy a soil that contains plenty of humus, and humus is produced from decayed vegetable matter, and with this in view it is found that the best foundation for palm compost is rotted sod.



CARNATION MRS. J. C. VAUGHAN SHOWING ACTUAL SIZE.

before the plants can be reset in their permanent positions. The benches should be cleaned off anyway in order to get rid of dirt and fungus, and this gives a good opportunity to examine the condition of the lumber; to make all necessary repairs, and to give the bench a good coat of white-wash, or cement wash, and then to cover it with a fresh layer of fine ashes, the latter being about the cleanest and cheapest satisfactory material upon which to set the pots.

Then comes the repotting of the stock for which that particular bench has been reserved, it being taken for granted that the plants have been examined for insects and cleaned, if need be, prior to potting. It is much the better practice to do the cleaning before the potting, from the fact that no newly potted plant should be subjected to the bending and handling that is unavoidable in dipping and cleaning. Such bending and pulling

to which is added about one-fifth to one-fourth of well rotted stable manure, a good grade of the latter being formed from equal portions of horse and cow manure. If the soil is very heavy, many growers add peat to make it more open, and also use a moderate quantity of bone dust or other prepared fertilizer as an extra stimulant. Sheep manure mixed in the soil does not seem to have very much value, though it is useful as an occasional stimulant to well-rooted stock when given in liquid form. Much the same may be said for dried blood, this substance giving poor results when mixed with the potting soil, but being taken up quite readily by pot-bound palms. It will help such to recover and maintain the color in their foliage. Soot from soft coal is also beneficial in a liquid form, though to be avoided in the compost.

But all these strongly nitrogenous manures should be used cautiously.



for too strong an application will make the foliage soft, and the leaf stems so brittle that they will sometimes break from a vigorous syringing. Bone dust is a safe fertilizer, if one can secure it of good quality, for bone decays but slowly, and consequently liberates its plant food gradually. But as the packing houses now save so many by-products from their bones, there is not much fertilizing value left in the average sample of ground bone, its chief constituent being lime, and while lime helps in some soils, yet it is not a special fertilizer for pot plants in general. Another detail in the preparation of potting soil for palm growing is the suggestion not to use a sieve too much. It is not needful to use sifted soil for any pots larger than 2 or 3-inch sizes, for if the soil is properly prepared and thoroughly mixed, the lumps will be well broken without sifting, and some of the coarser portion of the soil will answer well to cover the drainage in the bottom of the pot. Pot firmly, using a rammer for all pots from the 5-inch size up, for a firmly potted palm not only grows better, but is also much more satisfactory to the storeman or decorator who ultimately handles it.

Firm potting makes thorough watering needed, and in most cases at least two good waterings will be required in order to moisten the soil down to the bottom of the pots. All newly potted stock should be kept a little closer in regard to ventilation for a few weeks, or until they begin to grow freely, at the same time keeping a moist atmosphere by means of regular syringing in bright weather, and sufficient shading on the glass to protect and keep color in the foliage. Old plants that may have been used for decorating are liable to be in a sad condition at the end of the season, and some of them will not be worth keeping over, but others may be worth saving, and will need repotting to give them a fresh start. Some of these may be benefited by having the roots washed out before repotting, thus keeping the pots down to a convenient size, but in any case they will need the same careful and firm repotting, and should also have extra care in watering, spraying, and shading until the roots resume active growth.

W. H. TAPLIN.

### The Double White Narcissus.

The double white or gardenia flowered narcissus (*N. poeticus* fl. pl. or *N. albus plenus odoratus*) is one of the finest of all flowers for choice decorative purposes around Memorial day. Besides its chaste beauty there is the fact that, after the flowers are cut, they may be kept in the icebox for over a week, so that if they are not timed exactly right for any special day, they can be held over, even longer than this in special instances. This being the case, retailers often buy in advance. In many places this beautiful narcissus has been badly hit by the wintry weather, but not in all, and there are some growers who will have a fine stock. *Narcissus poeticus* fl. pl. thrives on any good and moderately light soil, and those who grow for their own retail stores should plant it in quantity. Its worst fault is that

after being planted in the same position a few years, it occasionally sends up blind flower buds, but this is usually overcome by transplanting into a new position.

### To Be Done Now.

#### IN THE GREENHOUSES.

Pot up the young *Pandanus Veitchi* from cuttings as soon as ready and keep the propagating bench working full time as long as the heat is used.

Push on with the potting of palms as fast as possible and allow a rather closer, moister atmosphere afterwards.

Feed pelargoniums advancing for flower and lay some tobacco stems about the stage underneath them to keep green fly at a distance.



Double Narcissus Poeticus.

The variegated salvia is a fine thing for subtropical bedding. Grow the plants in rather poor soil, as this helps the color.

Never keep old cinerarias around after they have passed the useful stage. They are great breeders of insects, especially fly and the leaf borer.

Place thunias in the full sun in a brisk moist temperature. Very few flowers will be produced in a shady place.

Repot fancy leaved *caladiums* as soon as ready. If they are forced into flowering by being allowed to get pot bound they will not make much leaf growth afterwards.

It is better to sow annuals outdoors, even if they are a little later, than to attempt to grow more plants than there is room for under glass and get the seedlings crowded and spoilt.

Whenever any replating of benches takes place see that they are in good order. Take no chances on a bench falling down and ruining a crop.

Avoid overwatering sweet peas just at the time the flower buds are forming, as anything that hinders root action then causes the buds to drop.

#### OUTDOORS.

Sow annuals plentifully, both for cutting and a display in the beds. These form one of the cheapest methods of making a good show.

Make good any losses in pansy beds in order that the display will be even and not patchy.

Stock arriving from nurseries in full leaf, as much of it is just now, will need especial care to keep it alive. Low growing shrubs should be cut back before planting.

Harden off all stock in frames by leaving the lights off as much as possible by day, but cover at night, as frosts may occur at any time.

The weeds are getting strong already in newly planted shrubberies. They should be taken out and burnt and the surface soil loosened.

Certain lawns and portions of lawns almost always burn up quickly in a hot summer. Such places should not be cut too closely, so set the lawn mower knives up a little when using it here.

Look out carefully for "blind" plants when setting out cauliflowers. They require a rich, light soil.

Propagate cowslips, polyanthus and other primroses by division of the plants as soon as the flowers are over.

Replace storm washed gravel in garden walks, destroy any weeds that are showing and tidy them up generally for the summer.

Lighten the tops of lilac bushes a little when cutting the flowers to allow the light and air to reach the center of the plants.

### Washington.

The rainy spell we have experienced during the past two weeks was much needed, and has added new vim to the outdoor stock. There was some improvement in business, funeral work being especially plentiful. There seems to be an over supply of good stock, which is moving very slowly, on account of the outdoor flowers. The prospects for next week are very promising, however, judging by the number of weddings booked.

Tom F. Gude, John Robertson, W. W. Kimmell, Geo. H. Cooke and Elmer Mayberry, the committee, announce that the annual banquet of the Florists' Club will be held at Rauscher's hall, Commercial avenue and L street, Tuesday evening, May 3, at 7:30 p. m., and they hope to have a good attendance of the members, their wives and friends. Tickets are \$1.50 per plate. A very interesting programme has been arranged, and there is no reason why all should not have the time of their lives. A short business session will be held prior to meeting.

G. S.

### Trenton, N. J.

A feature of the past week was the great amount of lilac being sold. In the stores, markets and on street stands, it was everywhere plentiful.

Martin C. Ribsam, successor to C. Ribsam & Son, whose store was recently damaged by fire, is now located at Broad and Academy streets, and is doing a fine business. Just as soon as the necessary repairs have been made on the building at the former location on the corner of Broad and Front streets, the business will be reinstalled there.

W. J. Chinnick's plant business seems very prosperous. Great quantities of plants are being sold at his stand in the market.

H. E. Blackman has a very neat retail store at 135 North Broad street and is having his share of business.

The cut flower and plant business of Carlman Ribsam at 31 Wall street, is in a flourishing condition.

The store of Frank J. Clark on Broad street is attractive and prosperous.



**Pittsburg.****STOCK CLEANS UP WELL.**

The end of the week found a general clean-up on almost all kinds of flowers. Carnations especially were in most active demand, the supply not being equal to it for the past two weeks, and by Saturday, helped by a number of store openings, not a carnation was to be seen in any wholesale house. Roses, which have been a glut, moved freely and a clean-up was experienced in that line also. Good Spanish iris is very scarce and sweet peas sell at sight. American Beauty roses, while plentiful, have held their own fairly well. Lilies are still in over-supply with prices slightly better. Asparagus plumosus and Sprengerii, both local and southern stock, is arriving in such quantities that half of it is being thrown away.

**NOTES.**

The McCallum Co. is now receiving the summer cut of roses, long stem Kaiserin being quite an improvement over Bride. F. H. Westhoff, De Haven, is consigning this firm some carnations that should have blue ribbons.

The death of "Budget" Seaman, the well known football player and coach, Washington, Pa., caused a big demand for flowers. A floral football field made by Phillips & Sedan of that city was one of the many designs.

Two new firms are slated to open up soon, one on Frankstown avenue and one in the new Oliver building.

A. W. Smith reports quite a run on special American Beauty roses and is moving immense quantities.

Geo. Marshall, of the Pittsburg Cut Flower Co., is the democratic candidate for select council.

Geo. Eickhorn, who formerly ran a stand in the market, is now in the employ of F. Ueberle.

G. & J. W. Ludwig have been busy with a number of luncheons, many being in the east end.

Marshall Anderson reports that his new store in Oakland is pushing ahead right along.

The Pittsburg Cut Flower Co. is strong on fine Killarney and White Killarney roses.

Miss A. L. Wells, Steubenville, O., has returned from her sojourn in California.

John Harris has been spending the past week in Ohio and West Virginia.

Mrs. E. A. Williams has had a number of elaborate decorations lately.

J. B. Murdoch Co. is moving its business to 122 Ninth street.

The South View Floral Co. is cutting a nice crop of callas.

E. Eisner has been on the sick list for the past few days.

Walter Paul is now with W. D. Faulk in Homestead. J.

**St. Paul.**

When the maple trees were in bloom March 20 and all trees quite green with leaves by April 1 it was predicted by a few "wise ones" that vegetation would suffer from cold weather later. While the loss to agriculturists and horticulturists throughout the state will be heavy, I do not think the florists will be heavy losers. Early peonies and some other perennials are badly damaged, as some buds were quite well developed, but no tender plants like carnations have been put out so the loss on that stock cannot be considered. Some bedding plants in hotbeds may have been slightly nipped. The mercury dropped to 20° on Friday night last and Saturday and Sunday nights water froze quite hard. All lilacs, Spirea Van Houttei and early flowering shrubs in bud were badly frozen. Some

snowballs are killed but some not far enough along are all right. Nearly all fruits are killed—late apples and strawberries alone excepted. Early garden truck is hurt severely. The foliage on many trees, box elder, maple, elm, linden, etc., is in some instances frozen black. Many of the early tulips, narcissi, etc., were through blooming, but the later ones caught it badly and were frozen to the ground unless protected.

O. J. Olson, of Holm & Olson, has the sympathy of the trade in the loss of his mother, who was drowned in Phalen creek. Friends and relatives of the aged women think that she was killed by an accidental fall from the bridge over the creek.

D. D. D.

**Urbana-Champaign, Ill.**

The recent cold weather has done considerable damage to the fruit in this locality. Dr. F. J. Burrill is of the opinion that the apple crop in this section is a total loss. All the small fruit seems to have perished also. In southern Illinois orchardists have been fighting with smudges, but as yet it is difficult to say whether or not the work has been successful. Prof. Blair has spent considerable time directing this work in the station orchards. The foliage on shade trees, and on most shrubs, which was dense and luxuriant for this season of the year, was also killed. Saturday morning the thermometer at the experiment station greenhouses registered 28°, and Sunday morning it had dropped to 23°. On going through the herbaceous grounds one finds that aquilegias, monardas, coreopsis, hollyhocks and many other plants are frozen nearly to the ground. Some species of aquilegia were already in flower, but when the sun made its appearance for a short time on Sunday the flowers wilted, and turned black. The early peonies are also killed. A few of the later varieties were just beginning to come through the ground, and it is hoped that these are not injured.

The florists have suffered but little loss. Gus. Johnson reports that his peonies are killed. Thos. Franks & Son report that all tender plants are still under shelter, but that peonies and other perennials are frozen.

ARNO H. NEHRLING.

**Cincinnati.****TRADE BETTER.**

During the past week quite a little activity has been noticed in the cut flower market and better clearances have been possible in all lines. Undoubtedly business will rapidly gain its normal state as the demand for all kinds of flowers has increased and this, with the shortening up of supply, has enabled the grower to realize something like a living price for his product. American Beauty roses at this writing are not equal to the demand, while teas of all varieties are moving better with the call for white predominating. Carnations have stiffened in all colors, the price advancing a cent on colored, while the best white are fetching \$3 per 100. There are just about enough lilies to go around and sweet peas are not equal to the demand. Bulbous stock is on the down grade and another week will see its finish. In the green goods line, smilax is the only scarce article, there being enough asparagus for all wants.

**NOTES.**

Dave and Ollie Honaker came up from Lexington last Sunday to see our baseball club put the kibosh on the Chicagos, but as the cubs turned the tables and won easily they concluded to stay over and see the mighty Hans

Wagner of the Pittsburgs. However, rain, snow and baseball don't mix very well and on Tuesday afternoon a long distance telephone message called them home on account of a large funeral order. Too bad, Dave. S.

The bowling club got together again at Willert's bowling alleys Monday night and while some very good scores were made still no records were smashed. We hope the same interest will prevail and that our city will be represented at Rochester next August with a first-class team.

Geo. Tromeys has opened a branch store on Walnut and Sixth streets; and says that so far he is well satisfied with the investment.

**New Orleans.****SEVERE DROUGHT.**

The season here is now over as far as the plant trade is concerned. The Easter trade was a very brisk one, in fact the best in many years, and the florists are well satisfied. The week of the Shriners' convention was also quite brisk. The weather of late has been quite unfavorable to the growers, there being no rain for the last two months and everything is parching. The private gardens about the city are now at their best, one mass of flowers.

**NOTES.**

The German Gardeners' Club gave its annual fishing outing on Thursday, April 21, to Peach Orchard, where a very enjoyable day was spent by about 20 members. Henry Krack and Louis Buckner in their excitement in fishing capsized their boat, but escaped with a good ducking. At the last meeting the following officers were installed for the ensuing year: Robt. Reinecke, president; Louis Buckner, vice-president; Otto Werner, secretary; John Rinck, treasurer.

At the meeting of the Horticultural Society, April 21, it was decided the society would take its outing this year to Grand Isle, on the Gulf of Mexico, for three days some time in June. The members were guests of President A. Alost, at Rose Villa, April 17, 30 members and friends participating.

A. Alost and Robt. Reinecke leave in the early part of June for an extended trip to Europe and expect to be gone three months.

Ed Baker is making good headway with the tree nursery of the Park Association.

The Metaire Ridge Nursery is still sending out fine stock of cut roses.

Jas. A. Newsham is quite busy shipping orchids all over the country.

Chas. Ebbe has made more additions to his greenhouse plant.

Richard Eichling is the happy father of a fine girl.

C. W. Eichling is nearly sold out of his new fern. D.

**OBITUARY.****John Murray.**

John Murray, of Pawtucket, R. I., died at his home April 9, at the age of 75. Mr. Murray was a gardener of the old school, and was well versed on all kinds of hardy and greenhouse plants. Thirty years ago, Mr. Murray was one of the best known gardeners around Boston, and had charge of some of the best known private estates there. He lived in Pawtucket for the past 30 years and always followed his profession of gardener. He is survived by three daughters and two sons, his wife having died some years ago. J. BRISTOW.



# THE AMERICAN FLORIST

1885 TWENTY-FIFTH YEAR 1910

Subscription, United States and Mexico \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

Eastern Representatives:

A. F. FAULKNER, 1133 Broadway, New York.  
ROBT. KIFT, 1725 Chestnut St., Philadelphia, Pa.

**THE AMERICAN FLORIST,**  
324 Dearborn St., CHICAGO

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CLEANING UP DAY has been fixed as May 1 in many cities of the United States and whenever our florist and nursery friends have an opportunity they should seek to aid such a movement in their home town or city.

Now the Grand Army is said to be trying to put a ban on the use of plants and flowers on Memorial day because of high prices. We have not heard of the members of this honorable body stinting themselves in other lines because the working men demand better pay.

It is always bad policy to risk tender stock outdoors in advance of the usual time, without adequate facilities for protection.

PROF. ADOLPH BUISSENS, of the School of Horticulture at Vilvorde, Belgium, who visited a number of our commercial establishments last year in the interest of the Belgium government, has prepared an illustrated bulletin on his observations, which has just been issued at Brussels by the minister of agriculture. The firms visited included Poehmann Bros. Co., Bassett & Washburn, Peter Reinberg, Geo. Wittbold Co., and Vaughan's Greenhouses, Chicago; Henry A. Dreer and Robert Craig Co., Philadelphia; F. R. Pierson Co., Tarrytown, N. Y.; Cottage Gardens, Queens, N. Y.; Julius Roehrs Co., and Bobbink & Atkins, Rutherford, N. J.; the Dale Estate, Brampton, and John H. Dunlop, Toronto, Ont.

### National Council of Horticulture.

The fourth installment of the press service of the National Council of Horticulture contains articles on "The Moonvine," "Where Roses Grow Well," "Fragrant Flowers," and "Preparing the Garden Soil." The articles are timely and practical and are entirely free to nurserymen, seedsmen, florists and local editors applying for them to James H. Burdett, 1620 West 104th place, Chicago.

### The American Carnation Society.

#### CARNATIONS REGISTERED.

By Henry Eichholz, Waynesboro, Pa.—Princess Charming.—Helen Boseler X Enchantress: salmon pink, three to four inches; very strong, vigorous grower; very free producer of first-class flowers. Keeping and shipping qualities excellent. Christmas Cheer.—Alvina X Victory, fiery scarlet; two to three inches; habit dwarf, though stems reach 2½ feet after Christmas; extremely floriferous. Will produce 100 or more blooms per plant in a season. Especially fine for pot culture. Through an error this name is printed Winter Cheer in the judges' report in the annual report.

A. F. J. BAUR, Secy.

### Cold Weather Injures Vegetation.

The cold weather experienced in the middle west late last week and early this week damaged nursery stock, fruits and early vegetable crops throughout that region very considerably. The weather was not unusual for April but, following an abnormally mild March, vegetation was bound to suffer. Fruit trees and grapes appear to have been injured most severely, while small truckers in Kansas and Missouri, whose crops of early vegetables were well advanced, lose heavily. The peony growers face a considerable shortage in their crops of flowers this season but it is not possible to estimate their loss at this time as the low temperature in most sections was accompanied by snow, which will undoubtedly protect the plants to some extent. The few carnation growers who had stock in the field will lose a considerable portion of it. Very little bedding stock appears to have been exposed.

### The Government Experiment Gardens.

Peter Bisset, of the Bureau of Plant Industry, Department of Agriculture, Washington, D. C., has returned to headquarters after an extended inspection tour of the government experimental work at many points throughout the United States, including the bulb farm at Bellingham, Wash., the experiment garden at Chico, Calif., now in charge of Dr. Van Fleet, the experiment garden at Brownsville, Texas, etc. Mr. Bisset speaks very favorably of the work in general and is particularly pleased with the progress made in Dutch bulb culture at Bellingham. Much of Mr. Bisset's time on this tour was devoted to investigation of the various public parks and similar institutions in the west and on the Pacific coast with a view to selecting the most desirable locations for trials of new ornamental trees, shrubs and perennials recently introduced from China and other countries.

### 'Northern Indiana Florists.

The Northern Indiana Florists' Association met in Rochester April 20 in regular meeting and the members were given an address of welcome by Mayor Omar B. Smith in the Commercial club rooms, where the meeting convened. President Dederick responded. The out-of-town members present included: W. W. Dederick, Warsaw; J. S. Stuart, Anderson; W. S. Hall, Anderson; A. J. Wagoner, Columbia City; D. C. Noble, Columbia City; Willis Kinyol, South Bend; G. W. Stumpner, Argos; J. A. E. Hall, Anderson; C. C. Arnold, North Judson; Lloyd Isanberger, Warsaw; George Pastor, Huntington; Harry White, North Manchester. Secretary J. H. Shelton received letters from several members who sent regrets.

The morning session was taken up with business matters and it was decided that the association be incorporated. Different members gave short talks in which they gave their experiences for the betterment of the florists' business in general. Directors for the association elected at this meeting are: A. J. Wagoner, W. S. Kircher, J. S. Stuart, D. C. Noble, George Pastor, Harry White and J. H. Shelton.

At 1:30 o'clock the members of the association, with Mayor Smith as guest of honor, enjoyed a banquet at the American restaurant. Following the banquet the business meeting was resumed at the Commercial club rooms. The visitors were all quite favorably impressed with the beauty of the city and complimented the local craftsmen on their excellent greenhouses.

The annual meeting, which is to be held the third Wednesday in July, will be at Winona Lake, where the association will open permanent headquarters.

### Meetings Next Week.

**Albany, N. Y., May 5, 8 p. m.**—Albany Florists' Club, W. C. King's, 24 and 26 Steuben street.  
**Buffalo, N. Y., May 3, 8 p. m.**—Buffalo Florists' Club, 385-387 Ellicott street.  
**Chicago, May 5, 8 p. m.**—Chicago Florists' Club, Union Restaurant, 111 Randolph street.  
**Dayton, O., May 2, 8 p. m.**—Dayton Florists' Club, 37 E. Fifth street.  
**Detroit, Mich., May 2, 8 p. m.**—Detroit Florists' Club, Cowie building, 42-44 Gratiot avenue.  
**Grand Rapids, Mich., May 2.**—Grand Rapids Florists' and Gardener's Club, office of member.  
**Indianapolis, Ind., May 3, 3:30 p. m.**—State Florists' Association of Indiana, State House.  
**Lake Geneva, Wis., May 7, 8 p. m.**—Lake Geneva Gardeners' and Foremen's Association, News building.  
**Louisville, Ky., May 3, 8 p. m.**—Kentucky Society of Florists, Third and Broadway.  
**Milwaukee, Wis., May 5, 8 p. m.**—Milwaukee Florists' Club, Quiet House, corner Broadway and Mason street.



Montreal, Que., May 2, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Guardians' building, 211 Sherbrook street, west.

New Orleans, La., May 4, 8 p. m.—German Gardener's Club, 624 Common street.

Newport, R. I., May 4.—Newport Horticultural Society.

Pasadena, Calif., May 6, 8 p. m.—Pasadena Gardeners' Association, Board of Trade rooms, West Colorado street.

Philadelphia, Pa., May 3, 8 p. m.—Florists' Club of Philadelphia, Horticultural Hall, Broad street.

Pittsburg, Pa., May 3, 8 p. m.—Florists' and Gardeners' Club, of Pittsburg, Fort Pitt Hotel, 10th street and Penn avenue.

St. Paul, Minn., May 3, 8 p. m.—Minnesota State Florists' Association, 510 Snelling avenue, north.

San Francisco, Calif., May 7.—Pacific Coast Horticultural Society.

Washington, D. C., May 3, 8 p. m.—Florists' Club of Washington, 1214 F. street, N. W.

## Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

**Situation Wanted**—Gardener wishes posit on; thoroughly understands growing of flowers, fruits and vegetables under glass and outside care of lawn, etc.; only places where a first-class man is wanted need apply.

Key 498, care American Florist.

**Situation Wanted**—On private place by competent grower of carnations, roses, 'mums and cut flowers in general, as well as pot plants, life experience best references; age 31; please state salary and particulars in first letter. Address

Key 502, care American Florist.

**Situation Wanted**—As working foreman; German, single; 18 years' experience in growing roses, carnations, 'mums, bulbs and general stock plants; also good designer and decorator; sober, honest and good worker; have the best of references; can take full charge of any place; state wages.

Key 505, care American Florist.

**Help Wanted**—Two good potters at once; \$25.00 to \$30.00 per month, with board.

PAUL LIEBSCH, Batavia, N. Y.

**Help Wanted**—Man for all 'round work in greenhouse and small nursery; married man with small family.

LEVANT COLE, Battle Creek, Mich.

**Help Wanted**—For greenhouse work; three or four good potters. Apply to

BASSETT & WASHBURN, Hinsdale, Ill.

**Help Wanted**—Two expert landscape gardeners at once; \$5.00 to \$8.00 a week, work all year round; only good men need to apply. Address

Box 29, Waterloo, Iowa.

**Help Wanted**—Young man in a growing shipping place with a chance to share in the business in future; must be a good propagator, careful and conscientious worker and not afraid to tackle any job.

J. L. SCHILLER, Toledo, O.

**Help Wanted**—First-class rose and carnation grower. Also one or two young men for pot plants in mail order department; must be rapid potters and able to water. State experience and salary wanted. Address

IOWA SEED COMPANY, Des Moines, Iowa.

**Help Wanted**—At once, a working foreman, married, capable of handling help to advantage, on place of 35,000 feet of glass, where roses, carnations, 'mums, bedding plants and general stock are grown to supply our store; must be a producer of first class stock; send copies of references; state age and wages expected in first letter.

JOHN RECK & SON, Bridgeport, Conn.

**Help Wanted**—A middle-aged man to grow roses, 'mums and carnations, American Beauties in particular; private place, near Philadelphia; will have 5000 ft. of glass to look after for the above mentioned plants; all modern convenience. Please answer the following questions: How long in rose houses; where and for whom; salary received; how long in different places.

J. F. CLARK, Torresdale, Pa.

**Help Wanted**—A licensed greenhouse fireman to work on large establishment located in the country near Boston; modern boiler house; must be experienced in greenhouse work and willing to do all kinds of work during summer; must be thoroughly reliable in every way; wages \$45.00 a month the year around with five-room house near establishment. Address

Key 503, care American Florist.

**For Sale**—About 5000 feet of glass, with dwelling; no competition; can sell more than you can grow at good prices. DWIGHT GREENHOUSES, Dwight, Ill.

**For Sale or Rent**—49,000 square feet of glass, in good location; needs partial rebuilding; rent accordingly, or will sell at reasonable price.

Key 460, care American Florist.

**For Sale**—Good greenhouse in one of the most desirable towns in excellent location; three railroads making good shipping center. A snap.

Apply to WM. BALLARD, Perry, Iowa.

**For Sale**—Greenhouse, 4500 sq. ft. glass; ground 175x250 ft.; good workroom; new 5 room cottage; new barn; in town of 8000; 3 railroads; interurban line; is a booming town. Address

Key 505, care American Florist.

**For Sale**—Greenhouse property 5000 feet of glass; 1 1/4 acres land in one of the best cities in central Indiana; well stocked and doing a good business; will be sold at a bargain on account of bad health of owner.

Key 493, care American Florist.

**For Sale**—A well paying florist business of 4000 square feet of glass in good condition, very cheap, but must be sold for cash at once; the best reason given for selling. The place is in a growing college town; natural gas for heating at 10c a thousand.

CHAS. DUFFY, Granville, Ohio.

## FOR SALE.

One of the finest equipped, up-to-date florist's business in Oklahoma on the most prominent streets in Shawnee, Okla.; also on the car line; 12,000 square feet of glass; steam heat. Business \$700 per month and can be doubled. Price: \$16,000 one half cash, balance one and two years at six per cent. This includes an automobile for delivery. For further particulars write MIKE BAKER, 106 North Broadway Shawnee, Oklahoma.

## WANTED.

Len-a-pe Violet Plants. State size, price and quantity. Address

Key 507, care American Florist.

## MILFORD, ILLINOIS,

A good live town of 1700 people wants a Greenhouse. Write Secretary Commercial Club.

## Plant Grower.

Advertiser wants a first-class grower of pot plants for a retail business; must be competent to handle a general stock of plants and reliable in every respect. Address

Key 508, care American Florist.

## WANTED.

Seedsmen capable of earning \$1000 per year. State fully your experience in seed business. Address

Key 494, care American Florist.

## FOR SALE

Second-hand Greenhouse Bars, 14 ft. lengths, 1c per ft.; 9 ft lengths, 1c per ft.

Ventilators, with glass, 6 1/2 x 2 ft., \$1.00.

WIETOR BROS., 51 Wabash Ave., Chicago

## PLANTSMAN WANTED.

One who thoroughly understands plants and their arrangement in a first-class retail store; good salary to the right man.

CHAS. THORLEY,

46th St. and 5th Ave., New York City.

## Orchid Grower.

Advertiser needs and will pay good salary to a thoroughly competent grower of orchids on an extensive scale in a commercial establishment; location, California. Address, with full particulars,

Key 501, care American Florist.

## Wanted—Greenhouse Engineer.

To keep in repair steam pipes, traps, pumps and boilers, also repair glazing and painting; middle-aged man preferred; no drinking man; wages \$15 per week; steady employment. Address

STEAM FITTER,

care American Florist.

## FOR SALE.

A Chance of a Lifetime.

A good paying up-to-date cut flower store in excellent locality of one of the best western cities; low rental. This is worth investigation. Reasons: too much other business. Address

Key 504, care American Florist.

# Offer Them Now

## ALL SPECIALTIES

For Cemetery Use  
All Bedding Plants  
Window Box Stock  
Plants for Vases

The season is three weeks early, and the growers will get left who do not clean out their surpluses

WHILE DEMAND IS STRONG



# BEAUTIES, CARNATIONS, ROSES.

We are cutting heavily on all the better grades of **BEAUTIES, ROSES,** and **CARNATIONS** with all other seasonable stock in first-rate order.

**SEND US YOUR ORDERS AND THEY WILL BE TAKEN CARE OF.**

## AMERICAN BEAUTIES

Per doz.

Per 100

|                       |        |
|-----------------------|--------|
| Extra long stems..... | \$3 00 |
| 30 inch stems.....    | 2 50   |
| 24 inch stems.....    | 2 00   |
| 20 inch stems.....    | 1 50   |
| 18-inch stems.....    | 1 25   |
| 15 inch stems.....    | 1 00   |
| Short stems.....      | 75     |

|                                                                                              |                          |
|----------------------------------------------------------------------------------------------|--------------------------|
| Chatenay, Richmond, Mrs. Field, Uncle John, Bride, Bridesmaid, Ivory, Sunrise and Perle..... | Per 100 \$4 00 to \$6 00 |
|----------------------------------------------------------------------------------------------|--------------------------|

|                                 |                    |
|---------------------------------|--------------------|
| My Maryland and Killarney ..... | \$ 4 00 to \$ 8 00 |
| Roses, our selection.....       | 3 00               |
| Carnations.....                 | \$ 2 00 to 3 00    |
| Harrisil .....                  | 12 50              |
| Valley.....                     | 3 00 to 4 00       |
| Adiantum.....                   | 1 00               |
| Asparagus, per bunch.....       | 50                 |
| Ferns, per 1000.....            | 2 50               |

**2,000,000 FEET OF MODERN GLASS.**

**PETER REINBERG, 35 Randolph St., Chicago**

# Making a Big Noise

Remember the late Mark Twain's delicious story about the boat with the big whistle and the little boiler? "When they blew the whistle the boat stopped"

We are blowing our whistle about our **Brides and Maids** but we don't stop selling them. They are the talk of the market and you know that your most discriminating customers prefer these fine roses to Killarney and White Killarney when they can get them in such fine condition as ours. But not only these, we have all other popular stocks in plenty and of absolutely first-class quality.

There is nothing to beat our **Carnations, Roses** of all kinds, **Bulbous Stock, Valley, Sweet Peas** and all other flowers in season. We are well fixed on all classes of greens, **Ferns, Leucothoe, Smilax, Asparagus, Galax** and others. Let us hear from you.

**We Give Personal Attention to All Orders.**

**ZECH & MANN, Room 218, 51 Wabash Avenue, Chicago**  
Telephone Central 3284

## Chicago.

### WEATHER SHORTENS STOCK.

Beyond the fact that stock is decidedly shorter in many lines, as well as of much better quality, there is little change to chronicle from last week's conditions. The demand is still only fair in the city while the shipping trade does not show as great an improvement as had been hoped for with the cooler weather. No one was quite prepared for the snow and frost which struck the city and surrounding territory on Saturday when everything was covered with snow and the temperature went down many degrees. After the warm weather of March and the open though not so unusually warm period in April the stock is in very fair condition all around. Bride and Bridesmaid, Mrs. Jardine and Uncle John roses are in better shape now than they have been all winter and delightful flowers of the old favorite white, with the rosy blush on their cheeks that we look for in late fall, are to be seen. The color of Bridesmaid, too, is excellent, reminding one of the best days of this variety which, notwithstanding the rush of other pink roses, is still peerless in its color.

Were it only possible to get as many flowers per plant of Bridesmaid as it is of Killarney and to keep it going the year around, there would be little call for the Irish rose while the same conclusions may be drawn with regard to Bride and White Killarney. Carnations have dropped off considerably in numbers, but the quality is keeping up remarkably well for the season and the flowers are away ahead in quality of those arriving a month ago. All the popular varieties are represented and all are good. Sweet peas are decidedly better, the arrival of the Spencer types in quantity improving their status considerably. Violets are about over, though a few were to be seen on Saturday. There is still a lot of second rate bulb stock on the market and some good. Peonies were coming in before the frost and quite a number were cut when the wintry snap was seen to be imminent, but as to what they will do now we cannot attempt to prophecy. Among the orchids is a sprinkling of dendrobies, some of the Loddiges section of cattleyas and, of course, a big lot of Mossia and all meet with a fair demand. Spring flowers were abundant—also before

the frost—and fairly good flowers of doronicums were seen on several counters, and about the retail stores. Antirrhinum is good and plentiful; pansies are too numerous while forget-me-nots, daisies and a host of smaller stocks can be seen at all points. There is room for a lot more business and this scarcity of trade keeps prices down, not overabundance of stock.

### A RETURN OF WINTER.

The sudden return to winter weather conditions has been the principal topic of conversation since Saturday, when a heavy snowstorm, coupled with a very low temperature, reached this city and vicinity. Considerable damage was done to vegetation generally, but a fortunate circumstance was that the freeze was not followed by sun or heat. The frost went out of everything very gradually and was succeeded by a cold rain, about the best thing that could have happened under such untoward circumstances. The first thought in everyone's mind was about the peonies. The forwardness of the plants were showing bud quite prominently and doubtless the majority of these will be ruined or



# BEAUTIES

Very Large Crop  
of Long Stems

They are the best quality in this market. Also a

## Big Cut of Roses and Carnations

BUY DIRECT OF THE GROWER

### Current Price List

| American Beauties                       |                  | Per doz. |
|-----------------------------------------|------------------|----------|
| Extra long.....                         |                  | \$3 00   |
| 30 36 inch .....                        |                  | 2 50     |
| 24-inch.....                            |                  | 2 00     |
| 18-inch.....                            |                  | 1 50     |
| Short stems, per 100.....               | \$1 00 to \$4 00 |          |
| Carnations                              |                  | Per 100  |
| Fancy red extra long O. P. Bassett..... | \$2 00 to \$3 00 |          |
| Fancy White Enchantress.....            | 3 00             |          |
| Fancy Pink Enchantress and Winsor ..... | \$2 00 to 3 00   |          |

| White and Pink Killarney, Richmonds, Maids, Perles and Brides |                |  |
|---------------------------------------------------------------|----------------|--|
| Extra long and select, per 100....                            | \$8 00         |  |
| Good lengths, per 100 .....                                   | 6 00           |  |
| Medium lengths, per 100.....                                  | \$4 00 to 5 00 |  |
| Short lengths.....                                            | 2 00 to 3 00   |  |

| Miscellaneous                    |                |  |
|----------------------------------|----------------|--|
| Lily of the Valley, per 100..... | \$3 00         |  |
| Tulips, all colors.....          | \$2 00 to 3 00 |  |

| Miscellaneous                             |                |  |
|-------------------------------------------|----------------|--|
| Sweet Peas, per 100.....                  | \$1 00         |  |
| Asparagus Sprays, per 100.....            | \$3 00 to 4 00 |  |
| Asparagus Strings .....                   | 50             |  |
| Sprengeri, per 100.....                   | 2 00 to 3 00   |  |
| Smilax, very long and heavy, per doz..... | 2 50           |  |
| Adiantum, per 100.....                    | 1 00           |  |
| Galax, green or bronze, per 1000..        | 1 00           |  |
| Ferns, per 1000 .....                     | 2 50           |  |

ROSES, our selection, good medium stems.....\$2 00 per 100

## Bassett & Washburn

Store and Office: 76 Wabash Ave.,

CHICAGO

Greenhouses: HINSDALE, ILL.

# WIETOR BROS.

51 Wabash Ave., CHICAGO

Wholesale Growers of Cut Flowers

### PRICE LIST

| American Beauties,    |                | Per doz |
|-----------------------|----------------|---------|
| Extra long .....      | \$3 00         |         |
| 36-inch stems .....   | 2 50           |         |
| 30-inch stems .....   | 2 00           |         |
| 24-inch stems .....   | 1 50           |         |
| 20-inch stems .....   | 1 00           |         |
| 12 inch stems .....   | 75             |         |
| Short .....           | 50             |         |
| Killarney, extra..... |                | Per 100 |
| " medium.....         | \$8 00         |         |
| " good.....           | 6 00           |         |
| " .....               | \$3 00 to 4 00 |         |

|                               |                |  |
|-------------------------------|----------------|--|
| Richmond, extra .....         | \$8 00         |  |
| " fancy .....                 | 00             |  |
| " good .....                  | 00             |  |
| Mrs. Jardine, extra .....     | \$4 00 to 5 00 |  |
| " fancy .....                 | 6 00 to 00     |  |
| " good .....                  | 00             |  |
| White Killarney, fancy.....   | 4 00 to 00     |  |
| Brides and Maids, fancy ..... | 4 00 to 00     |  |
| " good.....                   | 00             |  |
| Uncle John, fancy .....       | 5 00 to 00     |  |
| " good .....                  | 3 00 to 4 00   |  |
| Perle, fancy.....             | 4 to 6 cents   |  |

|                                                    |                  |  |
|----------------------------------------------------|------------------|--|
| ROSES, our selection.....                          | \$3 00           |  |
| Carnations, extra fancy.....                       | \$2.00 to \$3 00 |  |
| Easter Lilies, short \$2 00 per doz.               |                  |  |
| Valley .....                                       | \$3 00 to 4 00   |  |
| Asparagus Plumosus, extra quality, per bunch ..... | 75c              |  |
| Fancy Ferns, per 1000.....                         | \$2 50           |  |
| All other stock at lowest market rates.            |                  |  |
| Prices subject to change without notice.           |                  |  |
| No charge for packing.                             |                  |  |

so badly crippled that the flowers will be malformed. In some of the worst instances the shoots have simply keeled over and there is an end to them as far as flowers are concerned. Others not so far advanced will probably come through all right, but the general idea is that the crop will be very seriously curtailed. Some of the largest growers of carnations had many thousands of plants already in the field. Probably not many will be killed but all are more or less crippled and checked. The carnation is a hardier plant than is generally supposed, and when the stock has been out long enough to become acclimated it will probably not be much injured. It is the stock just new from the houses that will suffer worst. Other outdoor flowers were of course more or less checked and the lilacs are in

many cases totally destroyed. Shrubs and trees have suffered severely and there is no hope for as good a show as usual of many of our finest flowering species. Some of the principal vegetable growers say they have suffered to some extent but not nearly as much as might have been expected. Radishes, peas and lettuce have been checked, but onions have come through almost unhurt, and potatoes were not showing in many instances. The fruit men are probably the worst hit, acres of trees that promised great things and thousands of bush and small fruits being injured beyond any hope of redemption. The full extent of the damage is not known nor will it be for some time, but it is very great and the figures given by the newspapers though evidently prepared at random and with very little knowl-

edge of the true state of affairs, are likely to be below rather than above the mark. However, it is an ill wind that—etc., and the effect upon greenhouse grown flowers will be a better demand and at higher prices than would have been possible had outdoor flowers not been hit.

#### NOTES.

At the Geo. Wittbold Co.'s greenhouses at Buckingham place, there is an elegant lot of fine foliage and ornamental stock now. Palms, it goes without saying, are very abundant in all varieties and sizes, and among other leaders that struck us as particularly good were Pandanus Veitchi in various sizes, elegant Boston ferns in pots ranging from five inches up, pretty stock of marguerites and caladiums as well as many thousands of small ferns in great variety. Very unusual



# BEAUTIES AT THEIR BEST

A Large Supply Now in, \$4 to \$25 per 100.

**Roses** in all popular varieties, **Carnations**, **Lilium Longiflorum**, **Callas**, **Gladioli**, **Fancy Valley**, **Fancy Ferns**, **Galax**, **Leucothoe**, **Mexican Ivy**.

Wire Us for Prices on Large Quantities

## VAUGHAN & SPERRY

Long Distance Phone,  
Central 2571.

52-54 Wabash Ave., CHICAGO

in collections are really well established aucubas and cherry laurels (*Prunus lauro-cerasus*). These are grand for furnishing. A large importation of boxwoods and bays was being unpacked the early part of the week. Splendid specimens in all sizes and shapes, and every one in magnificent health.

Manager Pyfer, of the Chicago Carnation Co., referring to the effect of the late frost on peonies says: "On Saturday the peonies looked as though the entire crop would be ruined, as they stood from 12 to 18 inches high and were nicely budded before the freezing weather. The cold caused them to droop over, and it looked as though most of the buds were frozen, but they are gradually straightening up, with every indication that we will not suffer as much loss as first anticipated. Although the crown buds may be blighted, the stems will produce side shoots which afford very good flowers."

Excellent Killarney roses are a strong leader at Bassett & Washburn's just now. The flowers are of fine color, large and with stiff, well leaved stems. Beauties, carnations and other stock are arriving though in reduced quantities to what they have been coming, and the quality, owing to the cool weather, is excellent. Business is increasing and a rise in prices may be expected any time, though as yet it has only gone into effect on carnations.

Miss Lilian Bloom, stenographer at Bassett & Washburn's, left for a week's vacation at Toledo and Cleveland, O. Miss Bloom is known to be deeply interested in W. Feniger of the former city, but whether the shower of rice bestowed upon this charming young lady was premature or not we cannot at this juncture determine.

Carnations of good quality have not been any too plentiful in many houses this week but L. A. Budlong has been fortunate in receiving large quantities of extra fine flowers. Roses, too, in all the popular varieties are again coming in heavily, the summer varieties, such as Kaiserin and Field starting up well.

An automobile parade is scheduled for May 7. There will be separate classes for cars decorated with artificial as well as natural flowers and already several florists have signified their intention of entering. John H. Kelley of the Republic Rubber Co., 1732 Michigan avenue, is chairman of the committee.

Richmond roses have been a very strong feature at Peter Reinberg's

### "The Busiest House in Chicago"

**W**EATHER CONDITIONS: For the past seven days the weather has been—but what's the use?

You all know what it has been and what it did to the flowers. Our source of supply is, however, so large that we can still fill all orders and at usual prices for this season. Send in your orders and we will prove it.

## J. B. DEAMUD CO.

51-53 Wabash Ave.,

CHICAGO

this week, the flowers being exceptionally good, with long stems and fine color. The foliage on the Beauties now coming in is exceptionally good. Business is fine here, both the city and out-of-town trade having picked up considerably.

A conference to discuss outdoor improvement for the homes, towns and cities of Illinois will be held at Springfield, May 26 and 27 under the auspices of the Illinois Outdoor Improvement Association, A. P. Wyman, secretary, 17 East Van Buren street, this city.

Hoerber Bros. are receiving grand flowers of Bride and Bridesmaid roses. A new typewriter has been installed and a new stenographer and bookkeeper employed, Miss Douglas, who will be of great assistance in handling the increasing business.

Zech & Mann's Bride and Bridesmaid roses are magnificent stock, the latter of beautiful color and great substance. Uncle John, we also noted, in excellent order as indeed are all the varieties offered by this progressive firm.

J. B. Deamud returned from his eastern trip on Saturday. He says John Burton of Philadelphia, took him and Geo. C. Watson for a "joy ride" in his auto to Atlantic City, N. J., and back and otherwise entertained him.

The police of this city are searching for Wm. Shanlev, florist, of Brooklyn, N. Y., according to a local paper, he having disappeared April 13, and is said to have been kidnaped, drugged and taken west by two men.

Vaughan & Sperry continue strong on long stemmed Beauties which are just about equal to the demand. Fine gladioli, carnations and sweet peas are also among the leaders this week.

W. C. Egan, of Highland Park, reports that all climbing roses and Conrad F. Meyer are killed to the ground all along the north shore. Protected climbers are uninjured.

Geo. Crabb, of Crabb & Hunter, Grand Rapids, Mich., who has been visiting the city this week, says he has lost \$1,000 worth of cherries by the recent freeze.

J. M. Killips of the Superior Chemical Co., Louisville, Ky., has been in town this week exploiting ammoniated lawn lime with the Stratford hotel as headquarters.

Wm. O'Brien, who 13 or 14 years ago sold flowers on the board of trade, has been visiting the city this week. He is now located at Pittsburg.

E. Rober, who has been John Muir's foreman for some years, will start in business at Maywood on his own account, taking H. F. Port's place.

J. H. Burdett, secretary of the Horticultural Society, is a candidate for the secretaryship of the South Park Commission.

W. N. Rudd now says the late freeze may modify his statement as to the flowering of local peonies this season.

C. L. Hutchinson has been elected temporary secretary of the South Park commission, without salary.

The Masonic Temple Floral Co. has filed a petition in bankruptcy; liabilities \$3,599.48, assets \$834.25.

Edward Schawel, 3751 Agatite avenue, is about to build another greenhouse, 21 x 125 feet.

C. Lund, Warsaw, Wis., was a visitor this week, exploiting his carnation support.

Visitors: M. Bloy and Chas. H. Plumb, Detroit; Peter Bissett, Washington, D. C.; Geo. Crabb of Crabb & Hunter, Grand Rapids, Mich.



# Cut Flowers E. H. HUNT

FOR ALL OCCASIONS. — SEND FOR PRICE LIST. —  
 FLORISTS' SUPPLIES TOO. 76 Wabash Avenue, CHICAGO

## KYLE & FOERSTER,

W. P. KYLE. 51 Wabash Ave., CHICAGO. JOSEPH FOERSTER  
 CONSIGNORS SOLICITED. Wholesale Florists. L. D. Phone Randolph 3619. CHICAGO

### E. C. AMLING

THE LARGEST,  
 BEST EQUIPPED,  
 MOST CENTRALLY LOCATED  
 WHOLESALE  
 CUT FLOWER HOUSE  
 IN CHICAGO.  
 32, 34, 36 RANDOLPH STREET,  
 CHICAGO.  
 L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

### CHAS. W. McKELLAR,



51 Wabash Ave.  
 CHICAGO.  
**ORCHIDS**

A Specialty  
 Fancy Stock in Peonies,  
 Valley, Roses, Beauties,  
 Carnations and a full line  
 of all Cut Flowers, Greens,  
 Wire-Work and Florists'  
 Supplies.  
 Send for Complete  
 Catalogue.

### POEHLMANN BROS CO.

Wholesale Growers of and Dealers in  
**Cut Flowers**  
 All telegraph and telephone orders  
 given prompt attention.  
 Greenhouses 32-37 Randolph St.  
 MORTON GROVE, ILL. CHICAGO.

#### BOWLING.

The meeting at John Kruchten's store, April 21, to award the prizes for bowling was well attended and enthusiastic. The Carnations were awarded \$25, the Violets \$15, the Orchids \$10 and the Roses \$5, this being their order as announced last week. Each member of the winning team receives a watch fob, donated by Peter Reinberg, the six highest individuals an umbrella donated by the Foley Manufacturing Co. Frank Pasternick, secretary, has issued a special notice saying that, starting Friday evening, April 29, all florists desiring to bowl and make the team to represent the club at the coming convention in Rochester should be at the Bensingers' alleys, 118 Monroe street, at 7:30 p. m. Everyone has a chance to make the team. The prizes follow:

## J. A. BUDLONG

37-39 Randolph Street, CHICAGO.  
 Roses and Carnations A Specialty..... WHOLESALE CUT FLOWERS  
 GROWER of

### WIETOR BROS.

Wholesale Cut Flowers  
 Growers of  
 All telegraph and telephone orders given prompt attention.  
 51 Wabash Ave.. CHICAGO

### Wholesale Flower Markets

| CHICAGO. April 27.                   |                    |
|--------------------------------------|--------------------|
| Roses, Beauty, extra select ...      | 4 00               |
| " " specials.....                    | 3 00               |
| " " 36 in.....                       | 2 50               |
| " " 30 in.....                       | 2 00               |
| " " 18 in.....                       | 1 50               |
| " " 15 in.....                       | 1 00               |
| " " Short.....                       | 75                 |
| Per 100                              |                    |
| " Bride, Bridesmaid, select... 4 00@ | 6 00               |
| " " medium.....                      | 2 00@ 3 00         |
| " Killarney, select... 4 00@         | 6 00               |
| " " medium and short.....            | 2 00@ 3 00         |
| " Mrs. Jardine.....                  | 4 00@ 6 00         |
| " Mrs. Potter Palmer.....            | 6 00               |
| " My Maryland.....                   | 6 00               |
| " Perle.....                         | 6 00               |
| " Richmond.....                      | 4 00@ 6 00         |
| " Uncle John.....                    | 6 00               |
| " White Killarney, select... 4 00@   | 8 00               |
| " " medium.....                      | 2 00@ 3 00         |
| Carnations, select fancy.....        | 2 50@ 3 00         |
| common and splits.....               |                    |
| Callas..... per doz..                | 1 50               |
| Lilium Harrisii..... per doz..       | 2 00               |
| Lily of the Valley.....              | 2 00@ 4 00         |
| Mignonette.....                      | 3 00@ 8 00         |
| Narcissus.....                       | 2 00@ 3 00         |
| Orchids..... per doz..               | 6 00@ 9 00         |
| Sweet Peas..... per 100.             | 60@ 1 00           |
| Adiantum.....                        | 1 50               |
| Asparagus Plum, strings, each.       | 60@ 75             |
| " " sprays.....                      | 3 00@ 4 00         |
| " Sprengeri.....                     | 3 00@ 4 00         |
| Boxwood... per bunch.                | 25c per case, 7 50 |
| Ferns..... per 1000.                 | 2 50               |
| Smilax.....                          | 1 50               |

### Quality Counts..

Let us have your next order for  
**Roses and Carnations**  
 and other Seasonable Flowers.  
**JOHN KRUCHTEN,**  
 51 Wabash Ave.. CHICAGO.

| Individual Winners. |    |        |               |
|---------------------|----|--------|---------------|
| Yarnall.....        | 81 | 12,803 | 158 5-81 \$12 |
| Zech.....           | 81 | 12,740 | 157 30-81 10  |
| Wolf.....           | 75 | 11,792 | 157 17-75 8   |
| E. Johnson.....     | 74 | 11,400 | 154 4-74 7    |
| Bergman.....        | 75 | 11,364 | 153 39-75 6   |
| Ayres.....          | 81 | 12,210 | 150 60-81 6   |
| Graft.....          | 80 | 11,777 | 147 17-80 4   |
| Pasternick.....     | 78 | 11,463 | 146 75-78 3   |
| Farley.....         | 81 | 11,837 | 146 61-81 2   |
| Huebner.....        | 81 | 11,856 | 146 60-81 1   |

## KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS  
 48-50 Wabash Ave., Chicago  
 L. D. Phone, Central 466.

We will have anything in the line of  
**CUT FLOWERS and GREENS**  
 that you may want if anybody has it, at  
 Chicago market prices on day of shipment.

## A. L. Randall Co.

19-21 Randolph St.,  
 CHICAGO.  
 L. D. Phone Central 1496. Private Exchange  
 All Departments. If you do not receive our  
 price list regularly send for it.

BE YOUR OWN COMMISSION MAN  
 —AT THE—

**Flower Growers' Market**  
 60 Wabash Ave., CHICAGO.  
 A Few Desirable Stands For Rent.  
 See JOHN SINNER, Manager.

WEILAND & RISCH

WHOLESALE GROWERS & SHIPPERS

IMMEDIATE DELIVERIES

SHIPPING EVERYWHERE

CUT FLOWERS

59 WABASH AVE. CHICAGO

PHONE CENTRAL 879

## HOERBER BROS.

Wholesale Growers of Cut Flowers,  
 Telephone Randolph 2758.  
 Greenhouses: DES PLAINES, ILL.  
 Store: 51 Wabash Avenue CHICAGO

T. C. Yarnall, individual champion, silver cup donated by J. B. Deamud.  
 Victor Bergman, high single game, 256, \$5.  
 Victor Bergman, high average three games, 204 flat, \$5.  
 Orchid team, high single game, 921, \$5.  
 Orchid team, high average three games, \$67 1-3, \$5.  
 Mr. Bensingers, proprietor of the alleys, donated to the Florist Bowling League \$55.



## American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

## Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

## Rice Brothers

Wholesale Florists and Supplies,

115 N. 6th St., MINNEAPOLIS, MINN.

Cut Flowers received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities.

## THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

## Weiland & Olinger

128 E. Third S., CINCINNATI, O.

Wholesale Growers and Shippers of Cut Flowers.

Boston.

BUSINESS QUIET.

The business of the past week has been rather quiet. Plenty of stock of all kinds is available. Double violets still hold out. The public seem loth to give them up for the season, but they cannot last more than another week. Carnations are coming in extremely heavy and the markets have difficulty in keeping them cleaned up. Prices are down and the quality is good. Iris is coming in much more freely and is selling well. There is an abundance of Easter lilies coming in, many of them having short stems. They are valuable for funeral work and sell well. Callas are falling off slightly. The May flower season has been very poor and promises to be short. The various dealers report trade as being far behind former seasons and place the blame on the weather conditions. Roses are showing the effects of the warmer weather somewhat. Killarney and Richmond are coming a little better, but are still off on stem. There is an abundance of the shorter grades. Kaiserin is looking good for this time of year, but not selling very well. Beauties are plentiful, but falling off in quality. Cattleyas are coming in more freely and are in good demand. Gardenias and valley are plentiful and selling well. Bulbous flowers and sweet peas are coming in heavily. Pansies are falling off a little. Some good ixia, mignonette, nasturtiums, stocks, etc., complete a most attractive assortment. Adiantum and Asparagus Sprengeri are more plentiful. The plant trade holds up well, some good hydrangeas, ramblers, calceolarias and potted strawberries, together with some superior geraniums and other small flowering plants keep the shop windows looking very pretty.

NOTES.

From present indications the gardenia market will be well supplied next season. Several of the growers are turning their attention to the gardenia situation and possibly the retailers can get their supply nearer home in future.

## HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

### Wholesale Flower Markets

| BOSTON, April 27.     |    | Per 100  |
|-----------------------|----|----------|
| Roses, Beauty, best   | 25 | 00@30 00 |
| " " medium            | 15 | 00@20 00 |
| " " culls             | 5  | 00@10 00 |
| " " Bride, Bridesmaid | 1  | 00@4 00  |
| " " Extra             | 5  | 00@8 00  |
| Carnations            |    | 1 00     |
| selected              | 2  | 00@3 00  |
| Callas                | 8  | 00@10 00 |
| Cattleyas             | 35 | 00@50 00 |
| Lily Longiflorum      | 8  | 00@10 00 |
| Lily of the Valley    | 2  | 00@3 00  |
| Smilax                | 12 | 00@16 00 |

| St. Louis, April 27.      |    |          |
|---------------------------|----|----------|
| Roses, Beauty, long stems | 15 | 00@20 00 |
| " " medium stems          | 8  | 00@12 50 |
| " " short stems           | 2  | 00@4 00  |
| " " Bride, Bridesmaid     | 3  | 00@6 00  |
| " " Killarney             | 3  | 00@6 00  |
| " " My Maryland           | 3  | 00@6 00  |
| " " Richmond              | 3  | 00@6 00  |
| Carnations                | 1  | 00@2 00  |
| fancy                     | 2  | 00@3 00  |
| Callas                    | 8  | 00@10 00 |
| Easter Lilies             | 6  | 00@10 00 |
| Jonquills                 | 1  | 50@2 00  |
| Sweet Peas                |    | 20@ 50   |
| Adiantum                  |    | 1 50     |
| Asparagus Sprengeri       | 2  | 00@3 00  |
| Smilax                    | 12 | 50@15 00 |

| CINCINNATI, April 27.         |    |          |
|-------------------------------|----|----------|
| Roses, Beauty                 | 1  | 00@4 00  |
| " " Bride, Bridesmaid         | 2  | 00@6 00  |
| " " Golden Gate               | 2  | 00@6 00  |
| " " Killarney                 | 2  | 00@6 00  |
| " " Richmond                  | 2  | 00@6 00  |
| Carnations                    | 1  | 00@3 00  |
| Callas                        |    | 10 00    |
| Daffodils, outdoor            |    | 50       |
| Daisies                       |    | 50       |
| Lily Longiflorum              |    | 12 50    |
| Lily of the Valley            | 3  | 00@4 00  |
| Narcissus, Paper White        |    | 3 00     |
| Sweet Peas                    |    | 50@ 75   |
| Tulips                        | 3  | 00@4 00  |
| Adiantum                      | 1  | 00@1 50  |
| Asparagus Sprengeri, per bch. | 25 |          |
| Smilax                        | 12 | 50@20 00 |

| MILWAUKEE, April 27.    |   |          |
|-------------------------|---|----------|
| Roses, Beauty           | 6 | 00@40 00 |
| " " Bride Bridesmaid    | 3 | 00@8 00  |
| " " Killarney           | 4 | 00@8 00  |
| " " Liberty, Chatenay   | 2 | 00@8 00  |
| " " Perle               | 3 | 00@6 00  |
| " " Richmond            | 4 | 00@8 00  |
| Carnations              | 1 | 50@3 00  |
| Lily Giganteum          |   | 10 00    |
| Lily of the Valley      |   | 4 00     |
| " " Trumpet Major       |   | 3 00     |
| " " Von Sion            |   | 3 00     |
| Snap Dragon             | 4 | 00@8 00  |
| Sweet Peas              |   | 50@ 1 00 |
| Tulips                  | 2 | 00@3 00  |
| Adiantum                |   | 1 50     |
| Asparagus               |   | 50@ 60   |
| " " Plumosus, per bunch |   | 50       |
| " " Sprengeri           |   | 35       |
| Ferns, Fancy            |   | 2 50     |

The bad feature of receiving shipments from New York, Philadelphia and elsewhere is the uncertainty of the condition the shipments arrive in. Many times the retailer loses the majority of the flowers owing to poor packing or over-developed flowers.

There seems to be considerable sickness amongst the various growers and salesmen connected with the markets at this time. Mr. Aylward is confined to his home with a severe cold. Chas. Teika, Mr. Pegler's assistant, is also under the weather. J. Greenwood,

—THE—

**J.M. McCullough's Sons Co.,**  
Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

**Jobbers of FLORISTS' SUPPLIES**  
**SEEDS and BULBS.**

Price List on Application.

**316 Walnut St., CINCINNATI, OHIO.**  
Phone Main 584.

**H. G. BERNING,**  
Wholesale Florist,

**1402 Pine St. ST. LOUIS, MO.**

**C. A. KUEHN,**  
Wholesale Florist,

**1122 Pine St., ST. LOUIS, MO.**  
A Complete Line of Wire Designs.

**WM. C. SMITH**  
Wholesale Floral Co.  
WHOLESALE FLORISTS

**1316 Pine St.,**  
Both L. D. Phones. **ST. LOUIS, MO.**  
Supplies and Everything in Season always on hand

**William Murphy,**  
Wholesale Commission  
**FLORIST**

**311 Main Street, CINCINNATI, OHIO.**

the East Boston florist, is down with the grip. Geo. Noyes is having considerable trouble with his eyes. Chas. F. Boyle, of the Galvin forces, is still at the hospital. He is improving steadily and hopes to be out soon.

H. A. Wheeler, of Newton, and Peirce Bros., of Waltham, are getting their stock in shape and anticipate taking their share in the gardenia trade of next season.

The J. A. Budlong & Son Co. is running strong on good Chatenay, Kaiserin and My Maryland roses. The cut of small and medium grade stock is unusually large. R.



# Roses

THE LEO NIESSEN CO., Business Hours: 7 a. m. to 8 p. m. Wholesale Florists, 1209 Arch Street, Philadelphia, Pa.

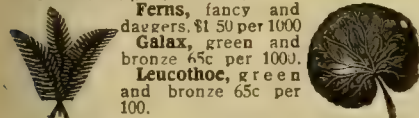
Our stock of Roses is hard to beat for quality. Our growers are in with heavy crop, and a large supply insures best selection. Our leaders are

PINK and WHITE KILLARNEY, MARYLAND.  
RICHMOND, KAISERIN.

## Pittsburg Florists' Exchange

Wholesale Cut Flowers  
Everything Seasonable

Headquarters for Ferns, Galax and Leucothoe, and carry a large supply of the best on hand at all times. We quote the following interesting prices on small or large quantities.



Ferns, fancy and  
daggers, \$1.50 per 1000  
Galax, green and  
bronze 45c per 1000.  
Leucothoe, green  
and bronze 65c per  
100.

15 Diamond Square, PITTSBURG, PA.

Philadelphia.  
TRADE SLOW.

The past week has been without any particular feature; there was a fair demand for special stock in all lines, but in the main business was slow. There is an abundance of flowers of all kinds, except valley, which has shortened up in the supply all at once, and the price has advanced to \$5 per 100. Carnations are in fair demand, with Rose Pink Enchantress a leader, it being a very good color at this season. Some fine lilacs are seen, Thornhedge, H. H. Battles' country place, sending in a large quantity of white which finds ready sale. Gladioli have made their appearance and add materially to the decorative stock. Gardenias are plentiful and of excellent quality. Now that violets are out of the way they rival the orchid in popularity for corsage bunches. Easter lilies and callas have been very plentiful. The longiflorums are getting scarcer and callas are moving better, quite a quantity being used in wedding decorations. The calla is one of the best flowers for decorative effect when properly used. The bedding plant men are busy, but mostly with stock for window boxes; quite a number have taken the risk and many boxes are now in position filled with geraniums, vincas and other summer plants. Flower beds are not being planted, although the continued mild summer weather would seem to warrant this work going on.

### NOTES.

Those who remember the run there was last Mothers' day for carnations are taking time by the forelock and getting their orders in so as to insure a good supply. With the various commission men quite a few orders have been placed and the day bids fair to rank as quite a floral holiday. The commemoration of the day appears to meet with great favor everywhere as its object becomes known. It is being taken up by churches, schools, societies and many orders throughout the country. To such an extent has it grown that the governors of California, Nebraska, South Dakota, Minnesota, Ohio, West Virginia, Mississippi and Florida will issue proclamations calling for its observance as a holiday. As its universal observance would mean so much to the trade it behooves all florists to do what they can to popularize the movement by advertisements, placards and displays of flowers.

## All Seasonable Flowers....

Good Log Moss, \$1.50 per sack.

ANYTHING IN FLORIST SUPPLIES

McCALLUM CO., 937 Liberty Ave. Pittsburg

## Pittsburgh Cut Flower Co.,

Wholesale Florists and Growers,

The House that has and sells good goods at fair prices.

Salesrooms, 222 Oliver Ave. PITTSBURGH, PA.

Choice Assortment of CUT FLOWERS will be found here.

WRITE FOR PRICES.

W. E. McKissick & Bros.

WHOLESALE FLORISTS.

Business Hours 7 a. m. to 8 p. m. 1619-1621 Ranstead St., PHILADELPHIA, PA.

Absolutely  
The Best Possible  
Service.

## Wholesale Flower Markets

| PHILADELPHIA, April 27.  |             | Per 100 |
|--------------------------|-------------|---------|
| Roses, Beauty, extra.    | 20 00@25 00 |         |
| "    first               | 10 00@15 00 |         |
| "    Brides and Maids.   | 4 00@ 6 00  |         |
| "    Tea                 | 4 00@ 6 00  |         |
| "    extra               | 8 00@12 00  |         |
| Carnations.              | 2 00@ 4 00  |         |
| Callas                   | 8 00@10 00  |         |
| Cattleyas.               | 40 00@50 00 |         |
| Daffodils                | 2 00@ 3 00  |         |
| Lilium Harrisii.         | 5 00@ 8 00  |         |
| Lily of the Valley.      | 4 00@ 5 00  |         |
| Mignonette               | 3 00@ 4 00  |         |
| Snappdragons.            | 8 00@12 00  |         |
| Sweet Peas.              | 75@ 1 00    |         |
| Adiantum                 | 1 0. @ 1 50 |         |
| Asparagus..... per bunch | 50          |         |
| Smilax                   | 15 00@20 00 |         |

| PITTSBURG, April 27.            |             | Per 100 |
|---------------------------------|-------------|---------|
| Roses, Beauty, special.         | 15 00@20 00 |         |
| "    extra.                     | 10 00@12 00 |         |
| "    No. 1.                     | 4 00@ 6 00  |         |
| "    Bride Bridesmaid           | 2 00@ 6 00  |         |
| "    Chatenay                   | 2 00@ 6 00  |         |
| "    Killarney                  | 2 00@ 6 00  |         |
| "    My Maryland                | 2 00@ 6 00  |         |
| "    Richmond                   | 2 00@ 6 00  |         |
| Carnations                      | 1 50@ 3 00  |         |
| Callas                          | 8 00        |         |
| Cattleyas                       | 50 00@75 00 |         |
| Daffodils                       | 1 00@ 3 00  |         |
| Gardenias                       | 35 00@50 00 |         |
| Lilac, white..... per bunch,    | 1 00@ 50    |         |
| Lilium Longiflorum              | 6 00@ 8 00  |         |
| Lily of the Valley              | 4 00        |         |
| Mignonette                      | 4 00        |         |
| Pansies                         | 1 00        |         |
| Primroses                       | 50@ 75      |         |
| Sweet Peas                      | 50          |         |
| Adiantum                        | 1 50        |         |
| Asparagus Sprengerii per bunch, | 50          |         |
| strings..... per string,        | 50          |         |
| "    sprays..... per bunch,     | 50          |         |
| Smilax                          | 15 00       |         |

We read with great regret of the tremendous loss in the west to small and other fruits by the frosts of last Saturday and Sunday. Such a visitation in this neighborhood would have wrought terrible havoc, as many of the trees have their fruits set, cher-

ries particularly being discernible on the trees. Lilacs will be past by the end of the week and almost all trees are out in full leaf.

Walter Yates, of Mount Airy, will spend his summer vacation in Europe, sailing the middle of July, to be gone six weeks. He will combine business with pleasure and expects to pick up, among other things, a fine line of boxwood, which he says will be very scarce the coming fall.

Liddon Pennock now has a fine Winton six-cylinder touring car. It is a beauty and the country for many miles around this city will no doubt soon become as familiar to him as is the vicinity of Chestnut street.

H. Bayersdorfer & Co. say the Memorial day business is greater than ever, orders for all kinds of material, such as magnolia, metal wreaths and other cemetery decorations being received daily.

F. X. Murphy, Frankford avenue, has opened a branch at the Philadelphia ball park in one of the stores on the Dauphin street side.

K.

NEWTON CENTRE, MASS.—A large greenhouse is being built on the estate of Edwin S. Webster.

SCRANTON, PA.—Trailing arbutus is now at its best here, but owing to ruthless picking, it will soon be extinct in this vicinity.

ONEONTA, N. Y.—The D. & H. R. R. has recently planted 260,000 acorns on a 2-acre tract here and will later transplant the seedlings to their forest lands in the Adirondacks. The company also has a 20-acre tract at Wolf's Pond already planted. It is expected to take 50 years before the trees will be of value as lumber. The work is under the direction of R. Fancher, the company's gardener.





# MOVING DAY

BUILDING COMING DOWN **TRAENDLY & SCHENCK** GOING UP TO

**131 and 133 West 28th St., NEW YORK**

Where our increased facilities will enable us to handle any quantities of good stock to excellent advantage. PHONES: 798-799 MADISON SQUARE.

## New York.

### TRADE FAIR, STOCK SHORTER.

The business of the past week was fair, due largely to a limited supply of stock. As previously noted the supply of good roses and carnations has been falling off. The demand has not been heavy, but there has been a fair clean-up at average prices, with a slight advance in carnations the last of the week. Lily of the valley has been going fairly well, the best stock touching four cents. Lilies, to use a nautical phrase, are still in the "doldrums;" they don't bring much above three cents. Sweet peas are running from 50 cents to \$1.25 per dozen bunches, but it takes extra fine stock to bring the latter price. There is little change in orchids and gardenias. A few fairly good violets are arriving, but violets are no longer a staple stock; on the streets they have been generally superseded by lilac, which is now arriving in large quantities.

April 25—Carnations are not plentiful and have advanced in price. There is not a very large supply of stock arriving, but the demand is correspondingly light, and it is very hard work to push up prices.

### MOVING DAY.

As previously noted, moving day is at hand. Traendly & Schenck and Walter F. Sheridan go to 131-133 West Twenty-eighth street. Ford Bros. will soon be their near neighbors, they having leased the entire building at 121 West Twenty-eighth street. They will move just as soon as the necessary changes can be made in the space on the ground floor, where their store will be located. Grieved at the loss of his good neighbors, George Saltford, who is now located at 43 West Twenty-

eighth street, is going to be with them at an early date. He has leased a store west of Sixth avenue in the immediate vicinity of the Traendly & Schenck, Sheridan and Ford Bros. stores. A. L. Young & Co. vacate the Manhattan Flower Market and continue business at their old stand, 54 West Twenty-eighth street. Horace E. Froment, E. C. Horan, John I. Raynor, A. H. Langjahr, William S. Allen and Henshaw & Fenrich remain at their old stands. They are not worrying as being near to the elevated road and the subway it is presumed that in the future as in the past, they will be able to "catch 'em coming and going."

### NOTES.

W. N. Reed, of Reed & Keller, accompanied by Mrs. Reed, will sail for Europe, April 28. They will spend about three months abroad and will visit France, Germany, Belgium, Holland and Italy. It is generally recognized as a fact that Mr. Reed is a man of very original and progressive ideas pertaining to the florists' supply business and many of his inventions are now staple articles in the trade. Usually robust, he has recently suffered from a severe attack of rheumatism, but is now much improved. It is hoped that a good rest will completely restore him to health.

L. B. Coddington, of Murray Hill, N. J., who ships American Beauty and other roses to H. E. Froment, is building a large addition to his range. Mr. Coddington is well known as one of the most careful and painstaking of growers and his great success exemplifies the saying that there is always plenty of room at the top.

At a meeting of the New York Cut Flower Exchange, April 23, the fol-

lowing committee was appointed to meet and confer with committees from other interested organizations concerning the proposed market under the Queensborough bridge: Philip Einsmann, J. A. Leach, V. S. Dorval, A. S. Burns, Chas. Beckman.

Wm. Elliott & Sons are offering great bargains in rose plants. This firm has had a very busy season with auctions and a great rush of counter trade. It handles everything that the farmer, the florist or the country gentleman needs and everybody gets the worth of their money.

Meconi & Hills is a new firm that has recently entered the cut flower business at 50 West Twenty-eighth street. Both members of this firm have had long experience in the business and it is reasonable to suppose that they will be successful.

Jas. Ebb Weis, Jr., a member of the well-known Weis family of Brooklyn, was married, April 16, to Miss Marguerite Williamson Meese. This young couple have the good wishes of many friends.

The plant attractions at Thorley's "House of Flowers," Forty-sixth street and Fifth avenue, are now very noticeable. Mr. Thorley is a man of original ideas, but not a visionary.

P. Gerlaid, the Manhattan florist, formerly located at Twenty-first street and Sixth avenue, has now a very nice store at 36 West Twenty-fifth street. J. K. Allen, whose health has not been good for several weeks, is now much improved and on duty at his store.

Geo. M. Stumpp sent a number of fine designs to the funeral of Mark Twain (Samuel L. Clemens) at Elmira.

Chas. Walch recently opened a fine retail store at 1084 Amsterdam avenue, opposite St. Luke's hospital.



1887

Telephone 167 Madison Square.

1910

**J. K. ALLEN,****Wholesale Commission Florist,**  
Established 1887.

106 West 28th Street,

NEW YORK CITY.

Open the year around to receive shipments of Cut Flowers.

Open Every Morning at 6 a. m.

Prompt Returns To Shippers

**A. L. YOUNG & CO.,**

54 West 28th Street.

Telephone 3559 Madison Sq.

**NEW YORK.****WHOLESALE FLORISTS.** Consignments of Choice Cut Flowers Solicited. Prompt Payments. Give Us a Trial**Traendly & Schenck,****WHOLESALE FLORISTS,**131 & 133 WEST 28th ST.,  
Phones: 798 and 799.**NEW YORK****Young & Nugent,**

Telephone 2065-2066 Madison Square.

42 West 28th Street,

To out-of-town florists

We are in the Heart of

**New York**

And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

**Alexander J. Guttman,**  
**THE WHOLESALE FLORIST OF NEW YORK**

34 WEST 28th STREET,

PHONES, 1664-1665 MADISON SQUARE

**ENOUGH SAID.****Trade Directory**

—OF THE—

**UNITED STATES AND CANADA.**

PRICE \$3.00. POSTPAID.

**American Florist Co., 324 Dearborn St., Chicago.**Give us a  
Trial  
We can  
Please you.Roses, Carnations and all kinds of  
Seasonable Flowers in Stock.**WM. F. KASTING CO.** Wholesale  
Commission  
Florists.  
**BUFFALO, N. Y.**  
Florists' Supplies and Wire Designs.**Wholesale Flower Markets**

| NEW YORK, April 27.                 |             |
|-------------------------------------|-------------|
| Roses, Beauty, special.....         | 15 00@25 00 |
| " " fancy.....                      | 10 00@15 00 |
| " " No. 1.....                      | 6 00@8 00   |
| " " No. 2.....                      | 1 00@3 00   |
| " " Bride, Bridesmaid, special..... | 3 00@5 00   |
| " " extra and fancy.....            | 1 00@2 00   |
| " " Killarney, special.....         | 6 00@8 00   |
| " " extra and fancy.....            | 3 00@5 00   |
| " " No. 1 and No. 2.....            | 50@1 00     |
| " " My Maryland.....                | 2 00@8 00   |
| " " Richmond.....                   | 1 00@12 00  |
| " " Carnations.....                 | 1 00@4 00   |
| " " Callas.....per doz.,            | 75@1 00     |
| " " Cattleyas.....                  | 25 00@50 00 |
| " " Gardenias.....per doz.,         | 75@2 50     |
| " " Liliun Longiflorum.....         | 2 00@5 00   |
| " " Lily of the Valley.....         | 2 00@4 00   |
| " " Mignonette.....per doz.,        | 20@50       |
| " " Sweet Peas.....per doz, bunches | 50@1 25     |

| BUFFALO, April 27.              |             |
|---------------------------------|-------------|
| Roses, Beauty, special.....     | 20 00@25 00 |
| " " fancy.....                  | 15 00@20 00 |
| " " extra.....                  | 10 00@15 00 |
| " " Bride, Maid, Killarney..... | 8 00@10 00  |
| " " Carnations.....             | 1 50@3 00   |
| " " Callas.....                 | 8 00@12 00  |
| " " Daffodils.....              | 1 00@2 00   |
| " " Daisies.....                | 1 00@2 00   |
| " " Jonquils.....               | 1 50@2 00   |
| " " Liliun Longiflorum.....     | 3 00@10 00  |
| " " Lily of the Valley.....     | 3 00@4 00   |
| " " Mignonette.....             | 1 00@3 00   |
| " " Sweet Peas.....             | 50@1 00     |
| " " Tulips.....                 | 1 00@2 50   |
| " " Adiantum Croweanum.....     | 1 25@1 50   |
| " " Asparagus Str.....          | 50@60       |
| " " Ferns.....                  | 2 00        |
| " " Galax.....                  | 1 50        |
| " " Smilax.....                 | 15 00       |

**FORD BROS.,**

Receivers and Shippers of

**Fresh Flowers**

48 West 28th St., NEW YORK.

Telephone 3870-3871 Madison Square.

**KESSLER BROS.**

50 W. 28th St., NEW YORK.

**CUT FLOWERS****Wholesale Plantmen and Florists.**Phone 2336 Madison Shipments Everywhere.  
Prompt and satisfactory. Consignments solicited.**Moore, Hentz  
& Nash,****WHOLESALE COMMISSION FLORISTS**

55 and 57 West 28th Street,

Telephone No. 756  
Madison Square.**NEW YORK.****HORACE E. FROMENT****WHOLESALE COMMISSION**American Beauty Roses a specialty. Roses,  
Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.

**Walter F. Sheridan****WHOLESALE FLORIST,**

Telephones: 3532 and 3533 Madison Sq.

131 &amp; 133 West 28th St., NEW YORK.

—FLOWERS SHIPPED BY—

**JOHN I. RAYNOR**Are the best product of the best growers  
for the New York market.

Adiantum Croweanum sold here exclusively.

49 West 28th St., NEW YORK

Telephone 1998 Madison Square.

INDIANAPOLIS, IND.—Anthony Wiegand celebrated his fifty-first anniversary in the florist business April 13 with a theater party at the Grand Opera house, followed by a lunch and a smoker at the Elks' club.

**August Millang****WHOLESALE FLORIST**

41 W. 28th St., NEW YORK

**N.Y. Cut Flower Exchange**

Coogan Bldg., 6th Ave. &amp; W. 26th St., New York.

Open for Cut Flower Sales at 6  
o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

**V. S. DORVAL, Secretary.****ALFRED H. LANGJAHR****WHOLESALE FLORIST,**

55 W. 28th Street, NEW YORK.

All flowers in season. Consignments of first-  
class stock solicited.

Phones 4626 and 4627 Madison Square.

POUGHKEEPSIE, N. Y.—Fire damaged  
the plant of the Charles Mitchell  
greenhouse contracting concern April  
18. The loss was \$1,000, mostly cov-  
ered by insurance.



# REMOVAL

## Walter F. Sheridan,

Established 27 Years.

Now at 39 W. 28th St., Will open in the New Building, 131 and 133 W. 28th St., New York, Between 6th and 7th Aves.

Monday, May 2,

A complete line of the best and leading varieties of  
**Roses and Carnations**  
 ~Everything Seasonable in Cut Flowers~  
 Telephones, 3532 - 3533 Madison Square.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

### "Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the horticultural traders; it is also taken by over 1000 of the best continental houses.

Annual subscription, to cover cost of postage, 75c. As the H. A. is a purely trade medium, applicants should, with the subscription, send a copy of their catalog or other evidence that they belong to the nursery or seed trade.

Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**  
 Chilwell Nurseries, LOWDHAM Notts England

### New Crop Ferns

**FANCY** and **DAGGER** ready May 1st.  
 Special price for large orders  
 Price \$1.25 per 1000.

**CALDWELL THE WOODSMAN CO.,**  
**Evergreen, Alabama**

Perpetuated and Natural Sheet

### MOSSSES

New Crop Ferns, Fancy and Daggers  
 NOW READY, Price \$1.25 per 1000.

**E. A. BEAVEN,** **Evergreen, Ala.**

Boston Notes.

Geo. Butterworth, of Framingham, is handling some remarkably fine cat-tleas. His crop is coming in in good shape and promises to be a heavy one. Mr. Butterworth is one of the largest orchid growers in this part of the country. He is all ready to lift a few of the tempting prizes at the national orchid show soon to be held in this city.

One of the most attractive novelties of the season consists of strawberries grown in pots by A. N. Davenport. They are proving to be very popular and are to be seen in all the shop windows. This grower is establishing quite a reputation as a grower of novelties.

Chas. Evans, of Watertown, is bringing in some fine hydrangeas. He is meeting with his usual success and disposing of large numbers of them daily.

John MacFarlane, North Easton, has been the most successful of the local gardenia growers thus far and next season he will have competition. R.



FANCY



DAGGER

### New Crop Hardy Cut Ferns

First Quality, \$1.40 per M.

ALSO DEALERS IN

### Baled Spruce for Cemetery Use

BOUQUET GREEN, SPHAGNUM MOSS, Etc.

**L. B. BRAGUE & SON,** Oldest, Largest and Most Reliable Dealers in the United States. **Hinsdale, Mass.**



FANCY.

### Henry M. Robinson & Co.

Wholesale Commission Florists.

### Cut Flowers of all kinds, Hardy Cut Evergreens and Florists' Supplies.

Dagger and Fancy Ferns ..... \$1.50 per 1000  
 Bronze and Green Galax ..... \$1.00 per 1000; 8.50 per 10 000  
 Leucothoe Sprays ..... \$1.00 per 100; \$7.50 per 1000

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays,

A large stock constantly on hand. Can fill orders at a moment's notice, Telephone or telegraph.

Telephones: 2617-2618 Main; Fort Hill 25290.  
 15 Province Street and 9 Chapman Place,

**BOSTON, MASS.**

### FANCY FERNS, \$2.00 per 1000

New Crop Galax, Bronze or Green.....\$1.25 per 1000; 10,000, \$7.50  
 Sphagnum Moss, large bales .....\$1.25; 6 bales, \$7.00. Extra fine  
 Leucothoe Sprays, Green and Bronze..... \$1.00 per 100; \$7.50 per 1000  
 Boxwood..... per bunch, 35c; 50-pound case, \$8.50

Florists in the Middle and Western States can save money by placing their orders with us, A trial order solicited.

### MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists and Florists' Supplies,

38-40 Broadway,

All phone connections.

**DETROIT, MICH**

### THE BEST WAY

to collect an account is to place it with the

### National Florists' Board of Trade

56 Pine Street, NEW YORK.

WHY? Because many debtors will pay the Board fearing otherwise a bad rating in our Credit List Full information as to methods and rates given on application.

### George Cotsonas & Co.

Wholesale and Retail Dealers in all kinds of Evergreen

Fancy and Dagger Ferns, Bronze and Green Galax, Phone 1202 Mad. Sq.

Main Store, 50 W. 28th St., NEW YORK.



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OFFICERS:  
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 SECTY AND TREAS.

BELL PHONE MAIN 2742  
 HOME PHONE CITY 3798.

38-40 BROADWAY.

DETROIT, MICH. April 20, 1910

### To the Trade:

We wish to announce that we are now handling the entire stock grown by John Breitmeyer's Sons, Mt. Clemens, Mich., plant. This addition gives us 400,000 square feet of glass in addition to our already large source of supply.

Our growers are all specialists in their respective lines and we are now ready to fill all orders that we may be favored with, large or small, in the line of Beauties, Killarneys, La Detroites, Brides, Maids, Richmonds, Canadian Queens, Bon Silenes, Kaiserins, Rhea Reids, etc.; Carnations, all varieties, Valley, Sweet Peas. Easter & Calla Lilies. Snapdragon. Tulips, Hyacinths, Daffodils, Poeticus, Stocks, Lilacs, Mignonette, Yellow and White Daisies, Etc. Full Supply of Plumosus, Sprengeri and Smilax.

Fancy Ferns, Galax and Leucothoe are a specialty with us.

Would like to correspond with buyers interested. All stock billed at market prices.

Very respectfully,

Michigan Cut Flower Exchange,

38 and 40 Broadway, Detroit, Mich.

### Detroit.

#### STOCK SHORTAGE CURTAILS BUSINESS.

I can learn of no considerable damage done here by the present cold spell. It has curtailed the cut of all flowers and as carnations are locally off crop the condition of supply is much aggravated. There has been but little outside planting done here, florists even not having done much carnation planting to date. The cold wave is apparently not as severe here as it is at points farther west. Peonies have not suffered, nor will they if we don't get actual frost. Retail trade suffered during these days of rain the past week but with that exception trade is most satisfactory, shortage of stock being the only cause for dissatisfaction.

#### NOTES.

The next meeting of the club, May 2, will be addressed by Frank Dauzen on "Accounting for Retail Florists." At the same meeting it is expected that M. Bloy will present his ideas on the same subject from the growers' standpoint.

Chas. Plumb will sail for Europe on the S. S. Cedric, June 29. Mr. Plumb expects to visit England, Ireland, Scotland, Holland, France and Belgium.

Philip Breitmeyer was called to Buffalo Friday, April 22, because of the death of his aunt there.

M. Bloy and Chas. Plumb went to Chicago Saturday, April 23.

The sympathy of the local trade is extended to W. B. Brown, whose brother died April 18.

J. F. S.

#### Steamship Sailings.

FROM NEW YORK EXCEPT AS NOTED.

May 3.

Pottdam, Holl.-Amer., 10 a. m., Hoboken Pier.

Kronprinz Wilhelm, N. Ger. Lloyd, 10 a. m., Hoboken Pier.

FROM BOSTON, Zeeland, White Star, 5 p. m.

May 4.

Carmania, Cunard, 9 a. m., Piers 54 & 56, North River.

Adriatic, White Star, 2 p. m., Piers 60 & 61, North River.

President Grant, Ham.-Amer., 2 p. m., Hoboken Pier.

FROM BALTIMORE, Brandenburg, N. Ger. Lloyd, Pier 9, Locust Pt.

May 5.

La Bretagne, French, 10 a. m., Pier 42, North River.

Batavia, Ham.-Amer., 2 p. m., Hoboken Pier.

Geo. Washington, N. Ger. Lloyd, 10 a. m., Hoboken Pier.

May 6.

FROM QUEBEC, Empress of Britain, Can.-Pacific, 3:30 p. m.

May 7.

Caledonia, Anchor, 3 p. m., Pier 64, North River.

Philadelphia, American, 10 a. m., Pier 62, North River.

Finland, Red Star, 11 a. m., Pier 59, North River.

Arabic, White Star, 9:30 a. m., Piers 60 & 61, North River.

Neckar, N. Ger. Lloyd, 11 a. m., Hoboken Pier.

FROM MONTREAL, Sicilian, Allan, daylight.

### Atlanta, Ga.

#### Atlanta Floral Co.

41 Peachtree Street.

### Pittsburg Pa.

H. L. BLIND & BROS.,

Two Stores: Liberty Av. & 5th St., 5424 Center Av. Greenhouses: West View.

### Anderson, S. C.

#### THE ANDERSON FLORAL CO.

533 MARSHALL AVE.

### Milwaukee.

FRUIT, CARNATIONS AND PEONIES SUFFER.

We had a very severe snowstorm and a drop in temperature to 22° on Friday night, with fully 12 inches of snow. The damage to fruit trees is very heavy as most of them were in bud and flower at that time. There also seems to be quite some damage to shrubs, just how much is hard to estimate at this time as the snow covered up most of this class of stock and no doubt prevented more serious damage. Carnations that were planted out—there are but few of these—were no doubt damaged, but these as well as peonies and other florists' stock are all covered with snow and it will be several days before we are able to tell the amount of damage.

H.



## DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.

**Wittbold**  
FLORIST

739 Buckingham Place,

L. D. Phone 558 Lake View.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Chicago.

**HAUSWIRTH FLORIST**

Auditorium Annex.

Mail, Telegraph or Telephone Orders Filled Promptly in Best Style.

Cincinnati, O.

**JULIUS BAER,**

138-140 E. Fourth St.  
Long Distance Phone.

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838—  
CANAL ST.

Savannah, Ga.

**JOHN WOLF,**

Wholesale and Retail  
FLORIST.Kalamazoo and  
Battle Creek, Mich.

**H. A. FISHER CO.**

Wholesale and Retail Florists.

We Handle Everything in Season.

Milwaukee, Wis.

**C. C. Pollworth Co.**

Will take proper  
care of your orders in Wisconsin.

Buffalo, Niagara Falls, Lockport.

**S. A. Anderson,**

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

Washington,

D. C.

14th and H Streets.

Also

1601 Eutaw Place,

**Baltimore, Md.**

New York.

Established 1874.

**DARDS**

N. E. Corner 44th St.  
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

**Alexander McConnell,**

571 Fifth Ave., Windsor Arcade.

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL  
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Cleveland, O.

**The Cleveland Cut  
Flower Co.**

Will fill your orders for designs and cut flowers in  
NORTHERN OHIO.

Dayton, O.

**Matthews,**

—FLORIST—  
16 W. 3rd Street.Flowers in any arrangement for all occasions,  
for Dayton and vicinity. Long dis. Phones

St. Paul, Minn.

**HOLM & OLSON,  
ST. PAUL.**

THE LEADING FLORISTS OF THE NORTHWEST  
Orders will be well cared for anywhere in  
MINNESOTA AND THE DAKOTAS.

Los Angeles, Calif.

**J. W. Wolfskill,  
FLORIST,**

Telegraph Orders  
A Specialty,

218 W. 4th St.

Brooklyn, New York.

**“WILSON”**

3 and 5 Greene Ave. and 339 to 347 Greene Ave  
Greenhouses: Short Hills, N. J.

— Deliveries in —

NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

New York.

**MYER, FLORIST,**

609-611 Madison Ave.

Phone 5207 Plaza.

Indianapolis, Ind.

**Bertermann Bros. Co.**

FLORISTS

.....241 Massachusetts Ave.

Omaha, Neb.

**Hess & Swoboda**

FLORISTS.

1415 Farnum St.

TELEPHONES  
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Denver, Colo.

**The Park  
....Floral Co.**

J. A. VALENTINE, President.



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**Geo. C. Shaffer,**

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Write, Telegraph or Telephone.

The Florists' Market Place,  
Our Ready Reference Ad. Dept



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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Kansas City, Mo.

**WILLIAM L. ROCK,**  
Flower Co.,

Will carefully execute orders for  
Kansas City and any town in  
Missouri, Kansas or Oklahoma.

Mention the American Florist when writing

St. Louis, Mo,

Write, Wire or Phone Your Orders to

**YOUNGS**

1406 Olive Street,

Regular discount allowed on all orders, either  
Plants or Cut Flowers.

Phones Bell, Main 2306, Kinloch, Central 4981  
Mention the American Florist when writing

New York.

Established 1849

**David Clarke's Sons**

FLORAL DECORATORS

2139-2141 Broadway

Telephones:  
1552-1553 Columbus.

Choice Cut Flowers

Lansing, Mich.

**Gurdon B. Smith**

Covers all Points in Michigan. Best of  
Shipping Facilities in all Directions.  
Always has the best of Everything.

Kansas City, Mo.

**Samuel Murray**

..... FLORIST .....

1017 Broadway Coates House

Both Phones 2670 Main. Conservatory

Write, Telephone  
or Telegraph,

All orders given prompt  
attention.

Louisville, Ky.

Established 1880.

**M. D. REIMERS**

"Successor to Chas' W. Reimers.

.....329 Fourth Avenue

St. Paul, Minn.

**L. L. MAY & CO.**

Order your flowers for delivery  
in this section from the

Leading Florists of the Northwest

San Francisco, Calif.

**J. B. BOLAND**

Successor to Sievers and Boland

**FLORIST**

60 KEARNEY STREET.

Detroit, Mich.

**John Breitmeyer's Sons**

Corner Miami and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good  
sections of Ohio, Indiana and Canada.

Kansas City, Mo.

Geo. M. Kellogg Flower and Plant Co.,  
906 GRAND AVE.

KANSAS CITY AND PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funerals  
Designs, Wedding and Birthday Gifts that may  
be entrusted to them.

Terre Haute, Ind.

**John G. Heint & Son,**

129 South Seventh St.

Telephone 247.

We are in position to fill promptly all mail, tele-  
phone, telegraph and cable orders with best  
quality stock in season.

Pittsburg, Pa.

**A. W. SMITH CO.**

KEENAN BLDG.

Largest Floral Establishment in America  
Established 1874. Incorporated 1909.

Rochester, N. Y.

**J.B. KELLER SONS,**

FLORISTS.

25 Clinton Avenue, N.

Rochester Phone 506. Long Dis. Bell Phone 2181

*M.A. Rowe*

IN HEART OF NEW YORK CITY

Phone 2270 38th St. 1294 Broadway  
Our Motto—THE GOLDEN RULE

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

**DANIELS & FISHER**

Order by mail, telephone, telegraph or  
cable. Cable address "Daniels, Denver"

Toronto, Can.

Canada's best known and most reliable florist

Only  
the  
Best **Dunlop's**  
96 Yonge Street.

We deliver anywhere in Canada and guarantee  
safe arrival.

New York.

*A.J. Bunyard*

FLORAL CO.

We Guarantee Satisfaction

413 Madison Ave. cor. 48th St.

*Hoffman*  
59-61  
FLORIST  
Massachusetts Ave.  
for Commonwealth Ave.  
BOSTON.

Albany, N. Y.

**EYRES,**

Flowers or Design Work.

Delivered in Albany and Vicinity on  
Telegraphic Order.

11 NORTH PEARL STREET.

Boston, Mass.

Send flower orders for delivery in

**Boston and all  
New England Points**

To THOS. F. GALVIN, Inc.,  
124 TREMONT ST.

THE J. M. GASSER COMPANY,

**CLEVELAND, O.**

We Cover All Points in Ohio.

Buffalo, N. Y.

*Palmer's* Flowers  
"Quality"

W. J. Palmer & Son.

304 Main St.

Louisville, Ky.

**JACOB SCHULZ,**

550 So. Fourth Avenue.

Colorado Springs, Colo.

**FRANK F. CRUMP,**

Wholesale and Retail Florist.

MICHIGAN. Orders will be carefully  
cared for by

**HENRY SMITH,**

Wholesale and Retail Florist of GRAND RAPIDS

**GEO. A. HEINL,** Leading Florist,  
TOLEDO, OHIO.

All Orders Promptly Executed



## The Seed Trade.

### American Seed Trade Association.

J. C. Robinson, Waterloo, Neb., Pres.; M. H. Duryea, New York, First Vice Pres.; F. W. Bolgiano, Washington, D.C., Second Vice Pres.; C. E. Kendel, Cleveland O., Sec'y and Treas.; Leonard H. Vaughan, Chicago, Asst. Sec'y. Twenty-eighth annual convention, at Atlantic City, N. J. June 21, 1910.

EASTERN seedsmen continue very busy.

VISITED CHICAGO: A. Hansen, Copenhagen, Denmark; J. Martens, Hamburg, Germany.

BAKER CITY, ORE.—The Bergman Commission & Seed Co. has sold its retail business to H. G. Hyde.

DR. VAN FLEET, of the Bureau of Plant Industry at Chico, Calif., is said to be experimenting with 100 varieties of wheat and 50 varieties of barley.

GEORGE W. WILLIAMS, treasurer of W. E. Barrett & Co., Providence, R. I., died April 25 at his home in that city of heart trouble after three weeks' illness, aged 74 years. Mr. Williams was identified with the firm since boyhood.

SEDALIA, Mo.—L. H. Archias, president of the Archias Seed Store, accompanied by Mrs. Archias and two daughters, Elise and Edith, sail from New York May 14, on S. S. Konig Albert for a three months' visit in Europe.

THE A. Ostberg Seed Co. is said to be a Chicago firm recently incorporated with a capital of \$100,000, to deal in plants, bulbs, and seeds, the incorporators being A. Ostberg, C. Swanson and E. F. Bell. Nothing is known of the firm among the trade of that city.

FRENCH BULB prices are firmer according to the latest cable reports. Good authorities predict advance rather than decline in the price of White Roman hyacinths and do not anticipate lower rates than those mentioned in our last week's issue for Narcissus Paper White Grandiflora and other leading varieties, although, as stated previously in these columns, freesia prices will be lower.

## Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

Pieters-Wheeler Seed Company  
HOLLISTER, CAL.

Growers of High Grade Seeds

Onion, Lettuce, Radish, Sweet Peas, Etc.

CORRESPONDENCE SOLICITED.

It is quite certain that the increasing firmness in French bulb prices will interest those jobbers who have booked orders on last year's basis.

HOLLISTER, CALIF.—Seed crops are looking well except onion, which shows considerable mildew, also reported showing in the Santa Clara valley. Earliest of All and Mont Blanc sweet peas are now in bloom.

PROF. BYRON D. HALSTED, of the New Jersey Experiment Station at New Brunswick, is reported to have succeeded in raising a seedless tomato. Some of the fruits contain from 10 to 20 seeds, but a large proportion of them contain none at all.

THE cold weather with frost and snow, which started in last week, has given seedsmen in the middle west a good opportunity to catch up on orders. Counter trade dropped off almost completely and is still fragmentary.

NEW YORK.—The seed stores as a rule, have been very busy, with the help working overtime. This has been particularly noticeable at Thorburn's, Vaughan's Boddington's and the Rickards Bros.' stores.—The new store, with the original name of "Buds," 76 Barclay street, is now a very busy place. For the past week a force of carpenters has been engaged in transforming the interior and it has now all the conveniences of a first-class seed store. Carl R. Gloeckner, president of the company, is well pleased with the volume of business.—Chas. McTaggart's new store, at 123 Warren street, shows evidence of prosperity. He has ample space for the display of plants and seasonable shrubs and catches the commuters, coming and going.

### Seed Corn in Ohio.

Much has been said and written about the low germination of both field and sweet corn in the various corn-growing sections of the country, and the outlook for good seed stock for the coming season is not very good, according to Tom Fagan, of the J. M. McCullough's Sons Co., who says, however, that the section of country within a radius of 80 miles of Cincinnati has plenty of good corn, the weather having been ideal for maturing last fall. The offerings of green corn on the market were so heavy and the price so low that most of the truckers allowed their crop of sweet corn to stand. Of

course it is not to be had in great quantity from any one grower, but collectively there was a large amount of good Zigzag and Stowell's Evergreen produced, and the germination is high.

### Sixty-One Sacks of Free Seed.

Representative Charles A. Korbly of the Seventh Indiana congress district, a candidate for re-election, has contributed sturdily to the post office deficit by sending 61 big mail sacks full of seeds to his constituents in Marion county under his frank. Mr. Korbly's face is new in congress; indeed, he has never been a legislator before or held any office. We do not condemn him for being alert to his prerogative and taking and despatching through the post office all the seeds he is entitled to. In fact, we are glad to note this example of a brand new lawmaker's enterprise and to give it wide publicity.

If Mr. Korbly can send 61 sacks of seeds through the mails at the expense of the government, the other 489 members of congress have a right to do the same thing. If all the representatives and senators exhausted their seed prerogative, and by each of them 61 sacks were deposited in the post office for transportation to constituents who are flattered by receiving packages of seeds from the seat of government at Washington, there would be 29,890 sacks to be carried on fast trains at an expense in the gross which we leave to the expert accountants.

But it is not on this account that we welcome the news of Representative Korbly's dumping his truckloads of seeds into the humble and accommodating post office. Our hope is that all the other members of congress will emulate or excel him, so that the country will have a great object lesson in the operation of the congress frank and there will burst forth a cry of reforming wrath against an abuse which adds yearly an enormous sum to the deficit of the post office department.—New York Sun.

### Imports.

During the week ending April 16, imports were received at New York as follows:

McHutchison & Co., 446 tubs, 1 bundle trees; 12 cases shrubs; 24 cases plants.

Vaughans' Seed Store, 14 tubs bay trees; 1 barrel lily bulbs.

P. Ouwerkerk, 98 cases trees.

H. Frank Darrow, 1 case trees.

To others: 551 cases trees and shrubs; 150 tubs trees; 441 cases plants; 64 cases orchids; 403 bags, 28 cases, 15 packages seeds; 2 cases bulbs.

Imports for the week ending April 23 were received at New York as follows:

H. Nungesser & Co., 100 bbls. grass seed; 50 bags clover seed.

Julius Roehrs Co., 48 tubs laurel trees; 55 cases plants.

P. Ouwerkerk, 81 cases trees.

McHutchison & Co., 51 cases plants; 1 case trees.

Rolker & Sons, 52 tubs laurel trees; 7 cases plants.

Vaughans' Seed Store, 25 cases plants; 6 tubs laurel trees.

Wm. Elliott & Sons, 22 cases trees.

H. Frank Darrow, 12 cases plants; 4 cases trees and shrubs.

To others: 397 tubs laurel trees; 313 cases, 3 boxes, 29 packages plants; 187 cases, 25 packages trees and shrubs; 24 bags, 1 case seed; 6 cases bulbs; 1 case orchids.

## Peas AND Beans

Alfred J. Brown Seed Co.,

Growers for the Wholesale Trade.

GRAND RAPIDS, MICH.







Mention the American Florist when writing

High-class Seeds, Bulbs, Plants, Shrubs and Nursery Stock.

## "BUDS"

CARL R. GLOECKNER, President,  
76 Barclay St., NEW YORK CITY

### COLD STORAGE LILY OF THE VALLEY PIPS

\$12.50 per 1000 in cases of 2000 only.  
Finest German, not Dutch grown. Ready now.

For Fall Delivery 1910

Our own imports from Japan.

|                                                 | Per 1000 |
|-------------------------------------------------|----------|
| <i>Lilium Longiflorum</i> Multiflorum, 7-9..... | \$50.00  |
| " " Giganteum, 7-9.....                         | 65.00    |
| " " Formosum, 7-9.....                          | 65.00    |
| F. O. B. New York.                              |          |

## VAN ZANTEN BROTHERS

Royal Netherland Bulb Nurseries  
and Export Trade.

HILLEGOM, HOLLAND,

Wholesale growers of the leading sort of  
Hyacinths, Tulips, Narcissus, Crocus,  
Spireas, Gladiolus, Peonies, etc., etc.

Write our traveler, MR. G. HYLKEMA, care of  
Messrs. Maltus & Ware, 14 Stone St., New York  
for Catalogue and Special prices of all

## HOLLAND BULBS AND PLANTS

Mention the American Florist when writing

MANN'S

## Lily of the Valley

are the finest in existence, and their flowers  
bring the best prices on the London market.

For quotation please apply to

OTTO MANN, Leipzig, Saxony, Germany

Mention the American Florist when writing

## Tuberose Bulbs.

Armstrong's Everblooming (single) \$1.80  
per 100; \$16.00 per 1000.

F. DORNER & SONS CO., La Fayette, Ind.

CLEVELAND, O.—A reception in honor  
of four new members of the firm of  
Smith & Feters took place in the  
store April 15.

## 7-Top Turnip Seed

Advance orders now taken for choice grades of

**Seven-Top Dixie Frost King Prize Taker**

Now in full bloom on Bloomsdale Farm.

Contract price, \$200 per 1000 pounds.

Plants from this seed of hardy northern breed, very superior to the less  
hardy southern type, stand any amount of snow and ice without injury.  
The seed will be harvested about the 20th of June and ready for shipment about the 1st of July

**D. LANDRETH SEED COMPANY**

Also **KALE**—Dwarf German, \$20 per 100 lbs.  
Siberian .. 18 per 100 lbs.

Bristol, Penna.

## Rush Orders

Flower Seeds,  
Market Garden and Field Seeds.  
All kinds of Tender and Hardy Plants.  
Tuberose, Dahlias, Gladioli,  
Small Fruits,

**RUSH ORDERS**

**James Vick's Sons**  
ROCHESTER, N. Y.



SEASONABLE

SEEDS

For The  
FLORIST.

H. E. FISKE SEED CO.,  
Boston, Mass.

## Cauliflower CABBAGE SEED

LILY OF THE VALLEY PIPS

**HJALMAR HARTMANN & CO.**

Logangstraede 20, COPENHAGEN, DENMARK

Mention the American Florist when writing

## The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip,  
Radish, Beet, Etc.

Branches: Michigan and Wisconsin. **MILFORD, CONN.**

Mention the American Florist when writing

**Don't Forget** To give us a trial on Asters,  
Mignonette, Begonia Ver-  
non, Cineraria, Primula Chinensis, Primula  
Obconica, Salvia Bonfire and Splendens, Verbena,  
Cyclamen and Pansy Seed. The two latter items  
ready July and August. We handle none but the  
highest quality strains. Katalog for the asking.



**SKIDELSKY & IRWIN CO.,**  
1215 Betz Bldg.,  
PHILADELPHIA, PA.

**BURPEE'S  
SEEDS  
PHILADELPHIA**

Wholesale Price List for Florists  
and Market Gardeners.

Mention the American Florist when writing

## S. M. Isbell & Co.,

Jackson, Mich.

**CONTRACT SEED GROWERS,**  
Bean, Cucumber, Tomato, Pea, Muskmelon,  
Squash, Watermelon, Radish, Sweet Corn.  
Correspondence solicited.

Mention the American Florist when writing

## Waldo Rohnert

GILROY, CAL.

**Wholesale Seed Grower**

Specialties: Lettuce, Onion, Sweet Peas, Aster,  
Cosmos, Mignonette, Verbena, in variety.  
Correspondence solicited.

Mention the American Florist when writing

## —FOR— SEEDS

OF ALL KINDS APPLY TO  
**W. W. JOHNSON & SON, Limited,**  
Boston, England.

Mention the American Florist when writing

—ONE-HALF CAR OF—

## Calla Bulbs

Ready end of July.

Write for prices.

Berrydale Experiment Gardens, Holland, Mich.

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## W. J. Eldering & Son,

Wholesale Bulb Growers and Dealers.

OVERVEEN, HAARLEM, HOLLAND.

Headquarters for High Grade Hyacinths, Tulips  
and Narcissus. We do not sell at Retail. Write  
for special quotations on large quantities.

Address our G. C. Eldering, care Hotel Seville,  
Madison Ave. and 29th St., New York.

## JOHN BODGER & SONS CO. Gardena, Calif.

Wholesale Growers of Sweet Peas,  
Tomatoes, Lima Beans, Lettuce, Asters,  
Cosmos and other Flower Seeds.

## Pape & Bergmann,

Quedlinburg, Germany.

Elite Seeds of Flowers and Vegetables.

Specialties: Stock Pansies, Cyclamen, etc.,  
Cactus Dahlias, Bulbs, General Catalogue Free



## Market Gardeners

### Greenhouse Vegetable Growers and Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President;  
Franklin DeKleine, Grand Rapids, Mich.,  
Vice-President; S. W. Severance, 508 Illi-  
nois Life Building, Louisville, Ky., Secre-  
tary; M. L. Ruetenik, Cleveland, O., Treas.

AVOCADOS or alligator pears from South America are on the New York market at \$3 per dozen. South African pears are \$1 per dozen.

COLUMBIA, Mo.—Early April 24 the thermometer registered between 27° and 28°, when tender garden truck like tomatoes, early cucumbers, beans and beets were killed and will need to be replanted. Potatoes were killed back to the ground but will sprout up some below ground. Hardy truck crops like onions, peas, lettuce, spinach, cauliflower and cabbage are not permanently injured.

### Asparagus.

Asparagus is steadily gaining in popularity and the enormous plantings in recent years seem to find a ready market. To hold up these conditions, growers must put up a first-class article. A good many gluts of crops are often caused by products of poor quality or by their being poorly marketed. At this time we will point out some requirements of the cutting season.

Where a market demands white asparagus it is necessary to hill the rows much like celery and even then an addition of a little litter is a benefit. The moment the shoots lift the crust they are cut by using long chisels or knives, and it is of great importance to have careful help do this, so as not to cut so deeply as to injure the crown or sideways and destroy the young shoots. White asparagus is not as popular as the green, and deservedly so, as the green is more tender and more economical for the housekeeper.

Where green asparagus is wanted, we remove as much earth from over the crowns as we can with horse tools, which is done to let the sun warm the crowns earlier thus catching the early market. After the season has reached the heavy cutting, we fill the rows up fairly. This process most effectively destroys any weeds under way. Cut asparagus must never be laid around; it should be washed and bunched at once and stood upright in boxes or baskets. The cut shoots twist very quickly if in a horizontal position, in which condition they bunch poorly and are easily broken.

Our scientific men tell us that a plant without foliage cannot make use of fertilizer elements. However, good growers are satisfied that nitrate of soda does increase the cut; we believe it does, and we use it in connection with potash during the cutting season. Asparagus is not easily hurt by salts, hence we can use cheap forms of potash, such as muriate and kainit.

It is best to cut the beds absolutely clean, and so regular that an even product is assured. And the best way to relieve a young plantation is to reduce the time of cutting. Thus a very young bed, say two or three years old,

should not be cut longer than 30 days. With age and strength this can be gradually extended to 8 or 10 weeks. Ten weeks is about the limit; great harm is done by late cutting, as the summer heat will kill the roots if not supported by proper leaf growth. Generally, after the last cutting, horse tools are used to destroy any weed growth, when the asparagus is given liberty to grow. A vigorous bed should cover the field in several weeks to exclude all weed growth. If not, we must assist by hand hoeing and cultivation.

MARKETMAN.

### Asparagus Beetles.

The two species, the blue (*Crioceris asparagi*) and the 12-spotted (*C. punctata*), have spread over a great part of Ontario during the last few years and in many places are very abundant. Both species are often to be found upon the same plant; the former is shining blue-black in color with creamy-white blotches on the wing covers which vary a good deal in size and shape, and sometimes form a cross of the ground color of the back; the sides and the thorax are dull red and the head black. The other species, says Bulletin 171 of the Ontario Department of Agriculture, is the same length, about a quarter of an inch, but is somewhat stouter; the whole insect is dull red and polished and has 12 round black spots on the wing covers.

Both these beetles pass the winter in the adult stage and are ready to attack the asparagus shoots as soon as they appear above ground in the spring; these they gnaw and spoil for table use, and the blue species deposits upon them its shiny black eggs which are attached by the tip to the plants. Later on the eggs of both species may be found upon the growing plants, and the larvæ soon appear. Those of the blue beetle are dark olive gray grubs, which feed openly upon the foliage; the grubs of the 12-spotted are yellowish or somewhat orange in color, feeding at first upon the tender foliage, but boring into and devouring the pulp of the seed capsules as soon as they are large enough to attack. The life cycle of both kinds requires only six or seven weeks for its completion and we therefore find all through the season till sharp frosts come in the autumn, eggs, larvæ and beetles in great numbers at the same time; the pupal stage is passed beneath the surface of the ground.

The simplest and most efficient remedy is to let poultry have the run of the beds; they will devour both beetles and grubs and will not touch the asparagus. Where this is not practicable, the young shoots should be dusted with fresh air-slaked lime when the morning dew is on the plants; this, of course, should be washed off before cooking. At the same time some of the shoots may be allowed to grow and attract the beetles which may then be killed with paris green or arsenate of lead. If the plants have many eggs upon them, they should be cut off and burnt and others left to grow in their place.

After the cutting season is over the plants should from time to time be sprayed with one of the arsenical poisons, but when the seed capsules are formed this will be of no avail against the grubs of the 12-spotted species.

## VEGETABLE PLANTS

|                                                                                                      | Per 100 | 1000   |
|------------------------------------------------------------------------------------------------------|---------|--------|
| Beet Plants .....                                                                                    | \$0 20  | \$1 25 |
| Egg Plants .....                                                                                     | 40      | 2 00   |
| Pepper Plants, Bull Nose, Sweet Mountain and Ruby King.....                                          | 40      | 2 00   |
| Tomatoes, small plants. Earliana, Early Jewel Dwarf Stone and Champion, Ponderosa and Matchless. ... | 30      | 2 00   |
| Tomatoes, small plants Stone Paragon and Favorite and Success ....                                   | 20      | 1 00   |
| Cabbage, full list of leading varieties. 10,000 and over ...                                         | 20      | 1 00   |
| Lettuce, Grand Rapids, Big Boston, Boston Market and Tennis Ball ...                                 | 20      | 1 00   |
| — Cash with order. —                                                                                 |         |        |

R. VINCENT, Jr. & SONS CO., White Marsh, Md.

## Now Ready...

To ship a very large stock of **Early Cabbage** and **Tomatoes** of the best leading varieties at \$1.25 per 1000; honest count. **Sweet Potato Plants** ready May 25 at \$1.50 per 1000. **Celery** ready May 15, three varieties.

S. J. McMICAL,EL,

142 Larkins St., P. O. Box 473, FINDLAY, O.

## Wanted

Contracts to grow all kinds of Vegetable Plants, transplanted or not. Also Geraniums, Coleus, Cannas, Salvia, Verbenas, Pansies, etc., for spring delivery. All stock only. Correspondence solicited.

Alonzo J. Bryan, Wholesale Florist, Washington, New Jersey.



Watch for our Trade Mark stamped on every brick of Lambert's

### Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

To get rid of it, the seed bearing plants should be cut off and burnt. In early autumn it will be well to cut down and burn the whole of the plants.

### Over-Year Seed.

Last spring I disposed of some runner bean seeds to a seedsman, but on inquiring if he wanted more this year, I found he had much left over. I questioned him as to whether they had not deteriorated, and he replied: "Not a bit." This decided me to try a little experiment right away, says a correspondent in the Journal of Horticulture, and I at once sowed 12 new and old beans in two pots, and have noted their behavior. The whole 24 beans grew, the old, strange to say, appearing slightly in advance of the new; but the difference between the two lots when fully up, and with seed leaves developed, was most decided. The old ran up thin, spindly, and absolutely without stamina, whereas the new, treated exactly similarly as regards heat and moisture, were short and sturdy, while the color of the foliage was many shades deeper than the attenuated old lot. After this, no old seeds for me.

### Prices of Indoor Fruits and Vegetables.

New York, April 23.—Mushrooms, 35 cents to 45 cents per pound; cucumbers, \$1 to \$1.50 per dozen; lettuce 50 cents per dozen heads; mint, 50 cents per dozen bunches; grapes, Gros Colman, \$1 per pound.

Chicago, April 27.—Mushrooms, 40 cents to 50 cents per pound; cucumbers, \$1 to \$1.25 per dozen; leaf lettuce, 22-25 cents per box; head lettuce, Louisiana, \$1-\$1.25 per hamper; \$6½ barrel (sugar barrel size); radishes 25-30 cents per dozen.





**Vaughan's**  
**Lilium Harrisii.**

**1911 Both Plants and Bulbs Carefully Selected.**

While we do not claim that our Harrisii are absolutely free from disease, or that every bulb will produce a perfect plant, we do claim that our growers' efforts in the way of spraying and roguing are producing results, our stock now being freer from disease than ever before and of genuine Harrisii type. In fact, the best general crop grown on the island of Bermuda.

**Vaughan's Seed Store**  
CHICAGO. NEW YORK.

**Cleveland.****STOCK SHORTER.**

It is surprising what a few days can bring in the way of a change in the flower market. The last few days of cold and dark weather have shortend the crop considerably. So far as sweet peas and carnations are concerned there was almost a famine, especially the latter part of the week. Some of the growers are off crop with carnations and sweet peas. The weather we are now having seems to have brought in quite a lot of funeral work. Tulips and daffodils are still plentiful, but the call for this stock is very limited. Callas and Easter lilies are still plentiful with fair demand. Roses have cleaned up better the past week than for some time, owing no doubt to the shortage of carnations and sweet peas. A fine lot of Kaiserin roses are coming in. Adiantum has been a good seller right along, as has Asparagus plumosus. Asparagus Sprengeri drags a little. Boxwood continues to have an exceptionally good run. Lilac in limited quantities arrived this week. So far as could be learned the cold and snow the past week did little damage to the outdoor stock. Several growers, however, report their grapes and cherries will be done for.

**NOTES.**

Mother's day, which comes on Sunday, May 8, will be more fully observed this year than the last or preceding years. Retailers can boom this day for themselves by a little advertising or a card in their window announcing a special sale or dollar box and keep the day fresh in the minds of the public.

# Are You Aware

## THAT OUR 1910 DIRECTORY

OF FLORISTS  
SEEDSMEN AND  
NURSEYMEN

Contains Approximately

### 1,500 NEW NAMES IN ITS 570 PAGES

**Price \$3.00 Postpaid.**

Every name is keyed to show the branches of the business in which each individual or concern is engaged, with greenhouse area and acreage of land.

**AMERICAN FLORIST CO.,**  
324 Dearborn St., Chicago.

H. Piggott, who opened a retail store in the Taylor arcade last fall, has has been laid up with rheumatism for some time and has been unable to attend to the business. He is now offering the fixtures for sale and intends to give up the store, at least for some time to come.

The dedication of the new baseball

grounds at the opening game April 21 was the occasion for quite a floral display. Baskets, bouquets and designs were shown and many florists were present despite the boycott by the labor union.

The city greenhouses in Gordon park will supply the city hospitals with flowers this summer. C. B.



## The Nursery Trade

### American Association of Nurserymen.

F. H. Stannard, Ottawa, Kans., President;  
W. F. Stark, Louisiana, Mo., Vice-President;  
John Hall, Rochester, N. Y., Sec'y.  
Thirty-fifth annual convention to be held  
at Denver, Colo., June 8-10, 1910.

VISITED CHICAGO: W. Taat, representing W. van Waveren & Sons, Hillegom, Holland.

ROSES INJURED.—W. C. Egan, Highland Park, Ill., reports that all climbing roses and Conrad F. Meyer are killed to the ground all along the north shore of Lake Michigan. Protected climbers are uninjured.—Supt. West of Lincoln park, Chicago, says that Dorothy Perkins and other roses have been killed the past winter.

EXCELSIOR, MINN.—S. M. Robinson has just turned over 35 acres of his land at Vine Hill for the growing of nursery stock and perennials. In the past month he has planted several thousand young shade trees, and he now has several large shipments of fruit trees and shrubs. Mr. Robinson is also figuring on several houses to be erected during the summer months.

### Alleged False Consular Invoice.

Jacs. Smits, a florist in Holland, who arrived today from the Netherlands, was arrested by Marshal Henkel on the charge of presenting a false consular invoice for a shipment of blue spruces, Japan maples, rhododendrons and other plants which were shipped here on April 11 on the steamship Rotterdam.

The complaint against Smits, sworn to by Customs Inspector Howard D. Esterbrook, states that the value of the imported plants was stated falsely to be \$163, whereas their true value greatly exceeded that amount.

Smits was arraigned before United States Commissioner Shields and held in \$2,000 bail for examination.—New York Evening Sun, April 20, 1910.

### Rochester, N. Y.

The establishment of Vick & Hill Co., Barnard, Monroe County, is about five miles from the center of the city. The greenhouses aggregate about 25,000 feet of glass and are mostly 20x100 feet and run east and west. They are built low and are well adapted for the growing of small stock, such as the firm handles. About 33 acres are devoted to the growing of aster seed and hardy plants, mostly perennials, and some of the most popular hardy shrubs. It is about 16 years since the business was established in its present quarters. Fred W. Vick is the president of the company, and has the absolute management in his hands. The business of the firm is mainly a wholesale and mail-order trade. A leading specialty is the growing of aster seed. Its reputation for a fine strain of branching asters is well known throughout the country and the present status in the improvement of the branching asters is largely due to Fred Vick.

An immense quantity of the leading bedding plants are grown and, of geraniums particularly, there are never enough to supply the demand. Mr. Vick does not think much of *Salvia Zurich* sent out a few years since, and has practically given up

# Bobbink & Atkins

RUTHERFORD, N. J.

**World's Choicest Nursery Stock** Such as Evergreens, Shade and Ornamental Trees, Shrubs  
Vines, Trained, Dwarf and Standard Fruit Trees, Grape Vines, and other  
Small Fruits, Herbaceous Plants and a general variety of Spring Bulbs.

**Boxwood—Bay Trees** and all other decorative plants, such as Dracenas, Aucubas, Palms, Etc.

Inspection of our Nursery invited, and convince yourself that we have the Stock. Only 9 miles from New York City.

## STOCK FOR FLORISTS

ROSES for Forcing—Hybrid Perpetuals and Ramblers, all the best ones; fine, strong stuff.  
Clematis, Ampelopsis, Tree Hydrangeas and Lilacs,  
Shrubs, Vines and Perennials. Write for prices.  
PALMS—Kentias in 2½-inch pots, \$8.00 per 100; \$75.00 per 1000.

**JACKSON & PERKINS CO., Newark (near Rochester), New York**  
Nurserymen and Florists. Wholesale only. Use printed stationery.

## ROSES Our Leading Specialty

Also Azaleas, Rhododendrons, Conifers, Fancy Clipped Boxwoods,  
Forest and Fruit Trees, Hedge Plants, Etc.

Ask for Wholesale Price Lists.

**S. A. VOSTERS & SONS, RIEL, HOLLAND.**

## Phoenix Nursery Company

Nurserymen and Florists  
BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for spring issued Feb. 1st.

its culture. He thinks for an all-around salvia it is hard to beat Bonfire, and grows a large quantity of it. They still grow a considerable quantity of the typical *Salvia splendens*, and grow and handle an immense quantity of *Nephrolepis Piersoni* and *Whitmani*. At the time of the writer's visit, large numbers of them were being packed for shipment. They grow a considerable number of roses, and only the standard varieties are carried; that is, a few of the best teas, hybrid teas, polyanthas, hybrid perpetuals and the leading ramblers, and *Wichuraiana* hybrids. They carry a large quantity of the standard chrysanthemums, and a large number of them are ready for shipment.

They produce a considerable quantity of chrysanthemum flowers in the fall, but that is only done as an incident, Mr. Vick says, to carry the stock plants. Carnations are grown in considerable quantity, and from 15,000 to 20,000 plants presented a good appearance for shipment on the benches. Mr. Vick said that whilst they grow and handle a considerable variety of hardy perennials, that the hardy herbaceous phloxes, peonies, delphiniums, Shasta daisies, *Gaillardia grandiflora* and Japan irises are what they sell most of, and they do propagate and grow them in immense numbers. The soil on the grounds is of a light, loamy nature, well drained naturally, and very responsive to cultivation and fertilization in the growing of plants. As is well known, Mr. Vick

## Jacs Smits & Co., NAARDEN, (Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, *Hydrangea P. G.*, Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Price List Free on Demand.

## JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture

is vice-president of the Society of American Florists. He is also president of the Rochester Florists' Association. Mr. Vick is passionately fond of music, and has been for many years a member of the famous Fifty-fourth regiment band, and is just now president of the organization. In the middle of the season, if he can get away from business at all, Mr. Vick may be seen taking his part in this well known musical organization. He is a very busy man, is highly respected, and has always got the glad hand for every brother of the craft.

JOHN DUNBAR.

### National School of Forestry.

Washington, April 22.—A bill to establish a national school of forestry at Nebraska City, Neb., as a memorial to the late J. Sterling Morton, father of Arbor day and of the injunction, "Plant trees," was introduced in the senate today by Senator Elmer J. Burkett, of Nebraska. The bill authorizes an appropriation of \$250,000. It has the approval of the secretary of agriculture, and of the chief of the bureau of forestry.



# SIT UP AND TAKE NOTICE Roses At Cost

We are long on the following varieties and will close them out at

**\$7.00 Per 100**

Magna Charta, John Laing, Gabriel Luizet, John Hopper, Victor Verdier, Duke of Connaught, American Beauty, Genl. Jacq., Alfred Colomb, Turner's Crimson Rambler, Mme. Chas. Wood, Tausendschon, Catherine Zeimet, Paul Neyron, Anna Diesbach, Dinsmore, Genl. Washington, Capt. Christy, Baron Bonstettin, Perle des Blanches. In 100 lots only, cash.

**W. ELLIOTT & SONS, Auction Dept., 42 Vesey St., NEW YORK.**

## Extremes Meet

**MINIMUM COST — MAXIMUM QUALITY**

This is demonstrated fully in our 1910 catalogue of **PERENNIALS** and other **HARDY PLANTS** which we grow exclusively by the acre.

Free For The Asking.

**Palisades Nurseries, Inc., SPARKILL, N. Y.**



## Arbor Vitæ

(Thuja Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

**The Wm. H. Moon Co., MORRISVILLE, PA.**

## DAHLIAS

Jack Rose and other best Cut Flower varieties. Write for list and prices.

**PEACOCK DAHLIA FARMS**

Williamstown Junction, N. J.

## LARGE TREES

**OAKS and MAPLES  
Pines and Hemlocks**

**ANDORRA NURSERIES,**

Wm. Warner Harper, Prop.  
Chestnut Hill, PHILA., PA.

## THE Storrs & Harrison Co.

**PAINESVILLE NURSERIES.**

CATALOGUES AND PRICE LISTS  
FREE ON APPLICATION.....

**PAINESVILLE. OHIO.**

Mr. Burkett declared that it is important to teach the people how to plant trees. The next generation will witness a timber famine unless steps are taken to preserve and increase the forests. The president is to appoint a director of the institution with a salary of \$6,000 a year.

## Roses! Roses!

We offer for immediate delivery the following Roses on own roots, dormant, field-grown plants, first-class in every way:

|                            |           |
|----------------------------|-----------|
| 1000 Helen Gould, Balduin, | 12 cents. |
| 300 Pink Baby Ramblers,    | 12 cents. |
| 500 Newport Fairy, - -     | 12 cents. |
| 1000 Dorothy Perkins. - -  | 12 cents. |
| 2000 Tausendschon, - -     | 20 cents. |

Also a limited number of dormant, field-grown plants, own roots of the following Roses at 12 cents each; Sweetheart, Trier, Lady Gay, La Fiamma, Taurus Blumchen, Debutante, Hiawatha.

**Clematis** Paniculata, field-grown, 1 yr. 5 cents.

**Clematis** Paniculata, field-grown, 2 yr. 8 cents.

**Hydrangea** Paniculata Grandiflora, 18 to 24 in. 6 cents.

**Hydrangea** Paniculata Grandiflora, 2 to 3 ft 9 cents.

**Viburnum** Plicatum, 2 to 3 ft. 12 cents.

**Chinese Sacred Lilies**, \$3.00 per 100; \$25.00 per 1000.

**Guide To Rose Culture** As a work of reference, this book is almost indispensable and was produced at a cost of \$10,000. FREE to all who ask for it. Write to-day.

**The DINGEE & CONARD CO., West Grove, Pa.**



## Pink Climbing Rose— Dorothy Perkins

Without doubt the most valuable of all the new Climbing Roses of comparatively recent introduction. The beauty of the double pink flowers is admirably set off by the rich green foliage, which is free from the attacks of insects.

In addition to this charming kind, we have all the popular varieties in climbing and bush Roses. Our General Catalogue, which will be mailed on request, contains descriptions of all the best Roses—also

Fruit and Ornamental Trees, Shrubs and Hardy Plants.

**ELLWANGER & BARRY,**

Mount Hope Nurseries. Rochester, N. Y.

SAN FRANCISCO, CALIF.—The Pacific Coast Horticultural Society has decided to hold a fall show, October 21 and 22. An exhibition committee was appointed and a preliminary premium list is in preparation.

**Eugene Pitou, Jr. CIVIL ENGINEER and  
Landscape Architect.**

Phone Barclay 6084—229 Broadway, New York  
Designs, Estimates, Construction of Grounds.



# You Ought to Have More of the Palm Business of Your Town

And Heacock's Palms will help you to get it! There's a lively demand in every locality, as you know, for good Palms—both from persons who purchase outright, and from those who rent for weddings, receptions, social functions, etc. In either case, you can supply the demand with profit to yourself by furnishing Heacock's Palms—Kentias, Cocos, Arecas, etc.



We grow them by the thousands and our men are real Palm experts. Our stock is vastly superior to any imported stuff you could buy—our Plants are clean, healthy, vigorous, acclimated.

The accompanying illustration shows how perfectly they mature under our care. We would like to fill a sample order from you—for a dozen or a carload—each specimen just as perfectly developed as this one.

Following are our current prices for this choice stock of Palms:

## Areca Lutescens.

|                                                |      |        |
|------------------------------------------------|------|--------|
| 6-inch pot, 3 plants in pot, 26 to 28 in. high | Each | \$1 00 |
| 7-inch pot, 3 plants in pot, 31 to 32 in. high | "    | 2 00   |
| 8-inch pot, 3 plants in pot, 36 in. high       | "    | 2 50   |
| 8-inch pot, 3 plants in pot, 42 in. high       | "    | 3 00   |

## Cocos Weddelliana.

|                             |         |         |
|-----------------------------|---------|---------|
| 2½ in pot, 8 to 10 in. high | Per 100 | \$10 00 |
|-----------------------------|---------|---------|

## Kentia Belmoreana.

|                                                     | Per doz.      | Per 100 |
|-----------------------------------------------------|---------------|---------|
| 5 inch pot, 6 to 7 leaves, 18 in. high              | \$6 00        | \$50 00 |
| 5-inch pot, 6 to 7 leaves, 20 in. high              | 9 00          | 70 00   |
|                                                     | Each          | Doz.    |
| 6-inch pot, 6 to 7 leaves, 22 to 24 in. high        | 1 00          | 12 00   |
| 7 inch pot or tub, 6 to 7 leaves, 32 to 34 in. high | 2 00          | 24 00   |
| 9-inch tub, 6 to 7 leaves, 5 ft. high               | 7 50 and 8 50 |         |

## Made-up Kentia Belmoreana.

|                                                |      |         |
|------------------------------------------------|------|---------|
| 9-inch tub, 4 plants in tub, 42 to 48 in. high | Each | \$ 4 00 |
| 12 inch tub, 4 plants in tub, 6 ft. high       | "    | 15 00   |

## Phoenix Roebelenii.

|                                  |        |
|----------------------------------|--------|
| 5-inch pots nicely characterized | \$1 00 |
| 6-inch pots nicely characterized | 1 50   |

We are making large shipments right along; to be sure of the best, therefore you should get your order in AT ONCE. Phone, wire or write, and when in Philadelphia be sure to run out on the Reading and see our stock.

JOSEPH HEACOCK CO., Wyncote, Pa.

## St. Louis.

### PRICES ADVANCING.

The weather the past week has been rainy and Saturday evening and Sunday snow covered the ground. Temperature fell slightly below freezing. Any stock not protected was somewhat damaged. Peonies probably were frozen but no reports have as yet been received. The trees on the streets were seen dropping many of their leaves. Prices have stiffened somewhat. American Beauty roses have also shortened up. The baseball opening at the Browns' park caused quite a demand for green carnations, the Daily Star boosting the "wearin' o' the green" in honor of Jack O'Connor, the manager. Shipments of roses show signs of mildew. The ban of Grand Army on the use of cut flowers and plants on Memorial day, owing to the exorbitant prices, would not ordinarily have much effect here, as cheap plants and outdoor flowers rule at that time. This year, however, the cold spell probably will cause indoor stock to be scarce and high.

### NOTES.

W. A. Rowe, of the Woodbine Floral Co., Kirkwood, was married on April 20 to Miss Minnie Geringer, of Rhineland. The happy couple will spend part of their honeymoon at the home of the bride and two weeks at the home of the bridegroom, Menomonee, Wis.

Ostertag Bros. made a green harp 18 feet high and six feet across, cost \$300, presented by the business men to Baseball Manager O'Connor. This firm disposed of 11,000 green carnations at 10 cents each.

Gus Eggeling, of the Eggeling Floral Co., has been confined to his room the past 10 days with rheumatism.

## A ROSE FOR EVERY GREENHOUSE GRAFTED ROSES

White Killarney, My Maryland, Pink Killarney, Richmond.

|              |                 |
|--------------|-----------------|
| Rose pots    | \$15 00 per 100 |
| 3½-inch pots | 18 00 per 100   |

Bride, Bridesmaid, La France, Kaiserin.

|              |                 |
|--------------|-----------------|
| Rose pots    | \$10 00 per 100 |
| 3½-inch pots | 15 00 per 100   |

## OWN ROOT ROSES

White Killarney, My Maryland, Richmond, Pink Killarney, American Beauty.

|             |                 |
|-------------|-----------------|
| 3-inch pots | \$ 9 00 per 100 |
| 4 inch pots | 12 00 per 100   |

Bride, Bridesmaids, Perle, Chatenay, Kaiserin.

|             |                 |
|-------------|-----------------|
| 3-inch pots | \$ 7 00 per 100 |
| 4-inch pots | 10 00 per 100   |

We will have large quantities of American Beauty Rose plants of the best quality for spring delivery. Verbena and Coleus Plants ready for shipment, at \$20.00 per 1000.

—Send for Circulars—

J. L. DILLON,

Bloomsburg, Pa.

The Bentzen Floral Co. had a splendid horseshoe at the ball park opening last Thursday, which they presented to Manager O'Connor.

W. F.

## Indianapolis.

### GRAPES SEVERELY INJURED.

Four degrees below freezing April 23 broke all records in this vicinity for the past 39 years. A snowfall was general over the state on Saturday and it was a common spectacle to see the gardeners covering their young tomato plants and other outdoor stock with soil to prevent them from freezing. It is believed that the fruit crop is irreparably damaged; grapes will certainly be short this year, as nearly all the grape vines in this locality seem to have been frozen beyond recovery. But as to the florist stock, there does not seem to have been much damage done. Carnations in the field, together with peonies, escaped according to most of the re-

ports. There were very few, if any bedding plants, that suffered for the simple reason that the bedding season has not as yet opened with us. The bedding plants are still very comfortable under glass.

### NOTES.

Speaking of bedding plants puts us in mind of the fine large stock of John Heidenreich's. All of his greenhouses have been given over to that line this season. John's new Sears automobile is kicking up once in a while, but he attributes the fault to his inexperience with gasoline engines rather than to any imperfections of the machine.

John Bertermann celebrated his sixtieth birthday anniversary during the past week, having all of his children and their children out at his home on East Washington street.

Alfred Warner is talking somewhat of starting another down-town store.

Henry Rieman has supplied his drivers with uniforms.

A. W. B.





DELPHINIUM BELLADONNA.

# Dreer's Hardy Delphiniums

**Belladonna.** The freest flowering of all the Delphiniums and the most valuable for cutting, its beautiful turquoise-blue flowers appeal to all who see it. Plant these early and you will have a continuous display of bloom from June until freezing weather. We offer an exceptionally fine lot of extra heavy one year old plants, \$2.00 per dozen; \$15.00 per 100; \$125.00 per 1000.

**Dreer's Gold Medal Hybrids.** Unquestionably the finest strain of mixed hybrids ever brought together, being seedlings of one of the best named collections and containing some wonderful varieties. Strong one year old plants, \$1.25 per dozen; \$8.00 per 100; \$75.00 per 1000.

**Formosum.** A splendid strain of this popular favorite dark blue variety, 85 cents per dozen; \$6.00 per 100; \$50.00 per 1000.

**Chinese Blue and White.** 75 cents per dozen; \$5.00 per 100.

## CHOICE NAMED HYBRID VARIETIES.

**Alfred Henderson.** Bold, massive spikes of semi-double rosy-lavender flowers, 2 inches across, white eye. 20 cents each; \$2.00 per dozen; \$15.00 per 1000.

**Cerberus.** Sapphire with black brown centre, a handsome spike. 35 cents each; \$3.50 per dozen.

**Duke of Connaught.** Rich, Oxford blue with distinct bold white eye; fine large flowers. 25 cents each; \$2.50 per dozen; \$20.00 per 1000.

**J. C. Jenkins.** Very large, semi-double bright mauve edged with royal blue and white eye. 25 cents each; \$2.50 per dozen; \$20.00 per 1000.

**King of Delphiniums.** Most vigorous growing, immense size semi double rich deep blue with large white eye. 25 cents each; \$2.50 per dozen; \$20.00 per 1000.

**Lemartin.** Similar in growth and habit to Belladonna, but with rich Gentian-blue flowers with white center. 25 cents each; \$2.50 per dozen; \$20.00 per 1000.

**Persimmon.** Comparatively new; beautiful delicate turquoise-blue. 50 cents each; \$5.00 per dozen.

## VINCA MINOR.

### Periwinkle or Trailing Myrtle.

This common but very useful plant for carpeting the ground is always difficult to procure in quantity in really first class stock. We have therefore, prepared, during the past season a large stock of plants which we offer in strong undivided field-grown clumps, at \$6.00 per 100 or \$50.00 per 1000.

## HARDY PHLOX.

All the standard varieties in strong one year old field-grown plants now in 3-inch pots, in prime condition to make a good display this summer, \$5.00 per 100, \$40.00 per 1000.

For the most complete list of Hardy Perennial Plants offered in America see our current Wholesale List.

# Henry A. Dreer, Inc.

714 Chestnut St., PHILADELPHIA, PA.

The above prices are intended for the trade only.

## Providence.

### STOCK IN HEAVY SUPPLY.

The market the past week was very unsettled and unsatisfactory, owing to the enormous quantity of all kinds of seasonable cut flowers that are coming in. While a very good retail business is being done, and as there is a good demand for funeral flowers, and quite a number of weddings taking place, also a great many social functions at this time, not nearly all the stock is consumed. Roses of all kinds, carnations and bulbous stock, are very plentiful at fair prices. Pansies, trailing arbutus, mignonette, daisies, candytuft, iris, forget-me-not and heliotrope are seen in the stores in great profusion and are selling for the best price obtainable. Very handsome branches of the various flowering trees, and shrubs are seen in the store windows and make a grand display. Greens are plentiful at their regular market value.

Pansy plants are selling well at 50 cents per dozen. Some bedding plants are being disposed of by street peddlers with wagons, but their sales are limited, as it is a little early yet. The nursery business is booming, all the nurserymen reporting extra good trade, 50 per cent better than last year.

## NOTES.

Olney H. Williams has closed his store on Mathewson street. Mr. Williams maintained this store for the past two years as an outlet for the great amount of cut flowers and bedding plants which he raises for the retail stores here. He finds that he

# Maids and Brides

## One Year Old Grafted Bench Plants

Fine plants for out-door planting or replanting in the benches, cut back to about 18-inches; per 100, \$5.00.

**KAISERIN** 2-inch pots, propagated last fall.

Now ready to plant in the benches, \$4.00 per 100, or \$35.00 per 1000.

**Bassett & Washburn,** Office and Store, 76 Wabash Ave., CHICAGO Greenhouses, Hinsdale, Ill.

can do without the store, as it is impossible for him to look after both store and his large greenhouse plant at Pocasset. Mr. Williams has been appointed custodian of the personal estate of his father, the late Alfred A. Williams, with a bond of \$15,000.

John F. Wood, 178 Westminster street, made an assignment April 7 to Attorney Frank H. McKenna, who says that Mr. Wood's assets are more than \$3,000, and that there are 32 creditors whose claims aggregate about \$1,400. There are also claims for about \$1,600 by former employees. Mr. Wood's intentions are to settle with all satisfactorily, as soon as possible and continue business.

John Harris, an old employe of the trade here, died of pneumonia recently, 60 years of age. He had no relations in this country except a niece.

# Cannas

King Humbert. Alphonse Bouvier.  
Chas. Henderson. Mile. Berat.  
Ex. Crampbell. Florence Vaughan.  
Mad. Crozy. Souv. de Antoine Crozy.  
Write for special prices, stating quantity wanted.

## FRESH TOBACCO STEMS.

Bale of 300 lbs., \$1.75; ton, \$9.00.

**W. C. BECKERT, Seedsman,**

103 Federal St., N.S., PITTSBURG, PA.

The T. J. Johnston Co., Edward Brooks manager, has a new delivery turnout, unique and very artistic.

J. BRINTON.



# Geraniums

## ROOTED CUTTINGS

Ricard, Poitevine and S. A. Nutt, ready May 15th.  
at \$10.00 per 1000.

## PLUMOSUS

Fine stock from rose pots at \$25.00 per 1000.  
Sample for 10c.

## Smilax and Sprengeri

Ready June 1st.

Smilax ..... \$12.50 per 1000  
Sprengeri ..... 15.00 per 1000

ALBERT M. HERR,

Lancaster, Pa.

# PANSIES

\$2.00 per 1000, to  
close out.

Swainsonia alba, 2-in., 2c; Feverfew, double  
white, small plants, 75c \$6.00 per 1000; Sweet Wil-  
liams, \$3.00 per 1000; Astera, white \$3.00 per 1000;  
Feverfew, 2-in., 2c; Dusty Miller, 2-in., 1½c;  
Petunias, double, 2-in., 2c; Alternantheras, red  
and yellow, 2-in., 2c.

ROOTED CUTTINGS, prepaid: Heliotrope, \$1.00  
per 100; Paris Daisy, yellow, white, \$1.00 per 100;  
Cuphea, 75c per 100; Vinca Variegata, 90c per 100,  
\$3.00 per 1000, extra fine; Coleus, 10 kinds 60c per  
100, \$5.00 per 1000; Alternanthera, 3 kinds, 50c per  
100, \$4.50 per 1000; Ageratum, 3 kinds 60c per 100;  
Swainsona alba, \$1.00 per 100; Dbl. Petunias,  
10 kinds, \$1.00. Cash with order.

BYER BROS.,

Chambersburg, Pa.

## A New Fern NEPHROLEPIS GIATRASH

Awarded a Certificate of  
Merit by the Horticultural  
Society of New York.

Prices: In 2¼-inch pots, \$3.50 per  
dozen; \$25.00 per 100; \$200.00 per 1000.  
25 plants at 100 rates; 500 plants at 1000  
rates. Orders delivered in rotation as  
received. Now Ready for delivery,

**GEORGE GIATRASH,**  
463 Summit Ave., West Hoboken, N. J.,

Toronto.

TRADE VERY GOOD.

Business continues to be very good;  
the many spring weddings and the  
horse show are all using quantities of  
flowers. Where a week ago there  
was a surplus in roses and carnations  
and the prices lowering, conditions  
are now reversed and there is a short-  
age of carnations, only a fair supply  
of roses and higher prices predomi-  
nate. American Beauties are still  
backward as to quality though they  
are a little more plentiful. In teas  
the quality is excellent and Rich-  
mond still hold first place in demand  
though Killarney is a great favorite.  
The blush on the Brides makes them  
most acceptable, and Canadian Queen,  
owing to the excellent color and stur-  
dy stem, always has its admirers.  
Cattleya Mossiae is in large crop and  
good blooms are selling at \$25 per  
100.

The Canadian Pacific Railway Co.  
sent out 80,000 packages of seeds to  
the various stations and section men  
along its lines. Shrubs and bed-  
ding plants are also being distributed  
and prizes ranging from \$10 to \$50  
are being offered in the different divi-  
sions for the best gardens.

The T. and N. O. railway has built  
greenhouses and are planting nurse-  
ries at Englehart which lies 365 miles  
north of here, and will supply flowers,  
etc., for the adornment of their sta-  
tions.

# Florists' 'Mums

## EARLY

From Pots. Rooted Cuttings.  
100 1000 100 1000

|                                        |        |         |      |         |
|----------------------------------------|--------|---------|------|---------|
| Gloria (New)—Enchantress Pink .....    | \$4 00 | \$30 00 | 3 00 | \$25 00 |
| Golden Glow—Earliest yellow .....      | 3 00   | 25 00   | 2 00 | 15 00   |
| Indiana (New)—A white Appleton .....   | 6 00   |         | 4 00 |         |
| Ivory—Dwarf white .....                | 3 00   | 25 00   | 2 50 | 20 00   |
| Monrovia—Bright yellow .....           | 3 00   | 25 00   | 2 50 | 20 00   |
| October Frost—Best early white .....   | 3 00   | 25 00   | 2 50 | 20 00   |
| Pacific Supreme—Improved Pacific ..... | 3 00   | 25 00   | 2 50 | 20 00   |
| Roserie—Dark pink .....                | 3 00   | 25 00   | 2 50 | 20 00   |

## MIDSEASON

|                                               |      |       |      |       |
|-----------------------------------------------|------|-------|------|-------|
| Col. D. Appleton—Incurved yellow .....        | 3 00 | 25 00 | 2 00 | 15 00 |
| Crocus—Light yellow .....                     | 3 00 | 25 00 | 2 00 | 15 00 |
| Mrs. W. E. Kelley—Late midseason yellow ..... | 6 00 | 50 00 | 5 00 | 40 00 |
| Major Bonnaffon—Incurved yellow .....         | 3 00 | 25 00 | 2 00 | 15 00 |
| Pres. Roosevelt—Incurved light pink .....     | 4 00 | 35 00 | 3 00 | 25 00 |

## LATE

|                                           |      |       |      |       |
|-------------------------------------------|------|-------|------|-------|
| Golden Eagle—Incurved bright yellow ..... | 4 00 | 30 00 | 3 00 | 25 00 |
| Mlle. Jeanne Nonin—Incurved white .....   | 3 00 | 25 00 | 2 00 | 15 00 |

Also a fine line in Exhibition, Pompons and Singles.

**ELMER D. SMITH & CO.,** Adrian, Mich.

# CHRYSANTHEMUMS

Extra Fine Stock of the Following Varieties:

|                          | R. C. per<br>100 | 1000    | 2½-in. per<br>100 | 1000    |                              | R. C. per<br>100 | 1000  | 2½-in. per<br>100 | 1000   |
|--------------------------|------------------|---------|-------------------|---------|------------------------------|------------------|-------|-------------------|--------|
| Earliest White           |                  |         |                   |         | <b>PINK.</b>                 |                  |       |                   |        |
| October Frost            | \$2.50           | \$20.00 | \$3.00            | \$25.00 | Rosiere.....                 | 2.50             | 20.00 | 3.00              | 25.00  |
| Virginia Pochlmann       | 3.00             | 25.00   | 4.00              | 35.00   | McNiece.....                 | 2.50             | 20.00 | 3.00              | 25.00  |
| Robinson.....            | 2.50             | 20.00   | 3.00              | 25.00   | Maud Dean.....               | 2.50             | 20.00 | 3.00              | 25.00  |
| Clementine Touse         | 2.50             | 20.00   | 3.00              | 25.00   | Dr. Enguehard.....           | 2.50             | 20.00 | 3.00              | 25.00  |
| Alice Byron.....         | 2.50             | 20.00   | 3.00              | 25.00   | <b>RED.</b>                  |                  |       |                   |        |
| Timothy Eaton.....       | 2.50             | 20.00   | 3.00              | 25.00   | Schrimpton.....              | 3.00             | 20.00 | 3.00              | 25.00  |
| President Roosevelt..... | 3.00             | 27.00   | 4.00              | 35.00   | Intensity.....               | 2.50             | 20.00 | 3.00              | 25.00  |
| White Bonnaffon.....     | 2.50             | 20.00   | 3.00              | 25.00   | <b>POMPONS.</b>              |                  |       |                   |        |
| W. H. Chadwick.....      | 3.00             | 27.00   | 4.00              | 35.00   | <b>YELLOW.</b>               |                  |       |                   |        |
| Merry Christmas.....     | 2.50             | 20.00   | 3.00              | 25.00   | Baby, Klondyke, Zenobia..... |                  |       |                   | \$2.50 |
| <b>WHITE.</b>            |                  |         |                   |         | <b>WHITE.</b>                |                  |       |                   |        |
| Golden Glow.....         | 3.00             |         | 4.00              |         | Lulu, Diana.....             |                  |       | 2.50              |        |
| Monrovia.....            | 2.50             | 20.00   | 3.00              | 25.00   | Baby Margaret.....           |                  |       | 4.00              |        |
| Halliday.....            | 2.50             | 20.00   | 3.00              | 25.00   |                              |                  |       |                   |        |
| Col. Appleton.....       | 2.50             | 20.00   | 3.00              | 25.00   | Briola, pink.....            |                  |       | 2.50              |        |
| Major Bonnaffon.....     | 2.50             | 20.00   | 3.00              | 25.00   | Mrs. Beu, bronze.....        |                  |       | 2.50              |        |
| Yellow Eaton.....        | 2.50             | 20.00   | 3.00              | 25.00   | Quinola.....                 |                  |       | 3.00              |        |
| Golden Wedding.....      | 3.00             | 27.00   | 4.00              | 35.00   |                              |                  |       |                   |        |
| Golden Chadwick.....     | 3.00             | 27.00   | 4.00              | 35.00   |                              |                  |       |                   |        |
| Chautauqua Gold.....     | 2.50             | 20.00   | 3.00              | 25.00   |                              |                  |       |                   |        |

**White Killarney, My Maryland, Pink Killarney.**

2½-in. plants. Booking orders now for future deliveries. The Right Place | The Right Goods—  
The Right Price—Come and See Them Grow.

|                       | 2½-inch. | 100     | 1000 |                                                  | 2½-inch. | 100   | 1000 |
|-----------------------|----------|---------|------|--------------------------------------------------|----------|-------|------|
| White Killarney ..... | \$8.50   | \$75.00 |      | Brides .....                                     | 5.00     | 45.00 |      |
| Pink Killarney .....  | 6.00     | 55.00   |      | American Beauties.....                           | 7.00     | 65.00 |      |
| My Maryland.....      | 6.00     | 55.00   |      | 3½-in. sizes will be offered, when ready, at     |          |       |      |
| Kaiserin.....         | 5.00     | 45.00   |      | 40% increase over 2½-in.                         |          |       |      |
| Richmond.....         | 5.50     | 50.00   |      | You cannot afford to buy poor stock at 50% less. |          |       |      |

**POEHLMANN BROS. CO.,** Morton Grove, Ill.

## Bench Plants

American Beauty..... 1000 \$50.00  
Richmond..... 30 00

**GEORGE REINBERG**

51 Wabash Avenue, CHICAGO.

Grobba & Wandrey are cutting cen-  
taurea in white, mauve and yellow,  
something a little different. They  
still have bulbous stock by the thou-  
sands.

W. Hill, of Yonge street, having re-  
cently sold his store, has moved to  
716 same street.

H. G. D.

## SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums  
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

**Wood Brothers,** FISHKILL,  
New York.

## Flower Colors

Use our COLOR CHART in describing them,  
PRICE, \$1.00 POSTPAID.

**American Florist Co.,**  
324 Dearborn St., CHICAGO, ILL



# BAY TREES BOX TREES

(Laurus Nobilis.)

We have just received two car-loads of fine shapely trees in the following sizes:

### Standard or Tree Shaped.

| Stem.     | Crown.    | Each.   |
|-----------|-----------|---------|
| 40-45 in. | 22-24 in. | \$ 6.50 |
| 42-45 in. | 24 in.    | 6.75    |
| 45 in.    | 26 in.    | 7.50    |
| 45 in.    | 28 in.    | 8.00    |
| 45 in.    | 30 in.    | 10.00   |
| 45 in.    | 34 in.    | 12.00   |
| 45 in.    | 40 in.    | 15.00   |

### Dwarf Standards.

| Total Height. | Crown.       | Each.  |
|---------------|--------------|--------|
| 4 to 5 feet.  | 24 to 26 in. | \$7.50 |

### Pyramid Shaped.

| Height. | Base.        | Each.   |
|---------|--------------|---------|
| 5 ft.   | 24 to 26 in. | \$ 8.00 |
| 6 ft.   | 26 to 28 in. | 10.00   |
| 6½ ft.  | 28 to 30 in. | 12.00   |

We have just received two car-loads of fine shapely compact plants in the following sizes:

### Pyramid Shaped.

| Height. | Ea.    | Pair.  | Height. | Ea.    | Pair.  |
|---------|--------|--------|---------|--------|--------|
| 2 ft.   | \$1.50 | \$2.75 | 4 ft.   | \$4.00 | \$7.00 |
| 2½ ft.  | 2.00   | 3.75   | 5 ft.   | 7.00   | 13.00  |
| 3 ft.   | 2.50   | 4.50   | 6 ft.   | 8.00   | 15.00  |

### Standard or Tree Shaped.

| Crown.       | Each.  | Pair.  |
|--------------|--------|--------|
| 22 to 26 in. | \$4.50 | \$8.00 |
| 30 to 32 in. | 5.00   | 10.00  |
| 32 to 34 in. | 7.00   | 12.00  |

### Bush Shaped.

The above prices include trees planted in nice new green tubs. If wanted out of tubs we allow 10 per cent discount.

| Height.              | Each.  | Doz.   | 10'     |
|----------------------|--------|--------|---------|
| 10 to 12 in.         | \$0.30 | \$3.00 | \$20.00 |
| 12 to 18 in.         | .35    | 3.50   | 25.00   |
| 15 to 18 in., light. | .40    | 4.00   | 30.00   |
| 15 to 18 in., heavy. | .45    | 4.50   | 35.00   |
| 20 to 24 in.         | .75    | 8.00   |         |
| 24 in.               | 1.00   | 10.00  |         |

## ROSES, 2 year old, dormant—budded.

|                        | Doz.   | 100     |
|------------------------|--------|---------|
| American Beauty        | \$2.00 | \$15.00 |
| General Jacqueminot    | 1.75   | 14.00   |
| Hugh Dickson           | 2.50   | 20.00   |
| Mrs. John Laing        | 1.75   | 14.00   |
| Mrs. R. G. S. Crawford | 2.00   | 15.00   |

|                       | Doz.   | 100     |
|-----------------------|--------|---------|
| Madame Gabriel Luizet | \$1.75 | \$14.00 |
| Gen. Washington       | 2.00   | 15.00   |
| Magna Charta          | 1.75   | 14.00   |
| John Hopper           | 1.75   | 14.00   |
| Paul Neyron           | 2.00   | 15.00   |
| Perle des Blanches    | 1.75   | 14.00   |



VAUGHAN'S SEED STORE, Western Springs, Ill.

### Chrysanthemum Cuttings

Now booking orders for early delivery.

| WHITE           | Per 100 | 1000    |
|-----------------|---------|---------|
| Oct. Frost      | \$2.00  | \$15.00 |
| Kalb            | 2.00    | 15.00   |
| V. Poehlmann    | 2.50    | 20.00   |
| Touset          | 2.00    | 15.00   |
| A. Byron        | 2.00    | 15.00   |
| Wanamaker       | 2.00    | 15.00   |
| White Cloud     | 2.00    | 15.00   |
| T. Eaton        | 2.50    | 20.00   |
| Chadwick        | 2.50    | 20.00   |
| Nonin           | 2.00    | 15.00   |
| PINK            | Per 100 | 1000    |
| Balfour         | 2.00    | 15.00   |
| Enguehard       | 2.00    | 15.00   |
| YELLOW          | Per 100 | 1000    |
| Golden Glow     | 2.00    | 15.00   |
| Monrovia        | 2.00    | 15.00   |
| Oct. Sunshine   | 2.00    | 15.00   |
| Appleton        | 2.00    | 15.00   |
| Y. Eaton        | 2.50    | 20.00   |
| Golden Chadwick | 3.00    | 25.00   |
| Halliday        | 2.00    | 15.00   |
| Bonnafon        | 2.00    | 15.00   |

### Rooted Carnation Cuttings

For immediate delivery.

|                       | Per 100 | 1000    |
|-----------------------|---------|---------|
| White Enchantress     | \$3.00  | \$25.00 |
| Rose Pink Enchantress | 2.50    | 20.00   |

J. D. THOMPSON CARNATION CO., JOLIET, ILL.

## A. N. PIERSON, Inc.

### CROMWELL, CONN.

### Grafted and Own Root Roses

|                                             | Per doz. | Per 100 | Per 1000 |
|---------------------------------------------|----------|---------|----------|
| White Killarney (Waban strain), grafted     | \$2.00   | \$15.00 | \$120.00 |
| Own root                                    | 1.50     | 8.00    | 75.00    |
| Killarney, grafted                          | 2.00     | 15.00   | 120.00   |
| My Maryland, grafted                        | 2.00     | 15.00   | 120.00   |
| Own root                                    | 1.00     | 6.00    | 50.00    |
| Richmond, Kaiserin, Bride and Maid, grafted | 2.00     | 15.00   | 120.00   |
| Own root                                    | 1.00     | 5.00    | 45.00    |

### Chrysanthemums

The best of the new ones and the best of the standards. Commercial varieties exclusively. We are booking orders for both rooted cuttings and plants from pots for present delivery.

### Our Catalogue

Contains the Carnation and Chrysanthemum lists. It includes our Rose list and the bedding stock. You need our catalogue. If you haven't received one, send for it. We can handle your order, whether it is large or small.

### For Fuller List of Plants

which we have to offer, see our full page advertisement in THE AMERICAN FLORIST of March 26th.

Glen Cove, N. Y.

A lively meeting of the Nassau County Horticultural Society was held April 13, President Duthie in the chair. Mrs. D. G. Geddes was elected an honorary member. The winners of the monthly competition were: V. Cleres, for vase of antirrhinums, and G. Wilson, for cinerarias. Cultural certificates were awarded to E. Fardel, for vase of ranunculus, also for three fine plants of Boddington's Matchless calceolaria hybrids; Paul Reul, for geraniums, also seedling geranium and climbing rose Hiawatha. Honorable mention to I. Barton for spinach, H. Gaut for petunias, stocks and peas, V. Cleres for carnations and F. Petroccia for mushrooms. A very interesting test of alpine was made during the afternoon. O. E. A.

### Snow-White Sport of Helen Frick Chrysanthemum

From 2¼-inch pots \$10.00 per 100.  
Rooted cuttings, \$8.00 per 100.  
Unrooted cuttings, \$5.00 per 100.

HENRY EICHEHOLZ, Waynesboro, Pa.  
Mention the American Florist when writing

### ASTERS and DAHLIAS.

ASTERS, Vick's Early and Late Branching, select colors, strong transplanted plants, 2-in., \$2.00 per 100; \$18.50. per 1000.

Dahlia Plants, from 2-in., at \$2.00 per 100 up. For \$18.50 cash we will send 1000, 50 each of 20 distinct varieties, including Show, Decorative and Cactus.

R. VINCENT Jr., & SONS CO., White Marsh, Md.  
Mention the American Florist when writing

### Cacti and Mexican Resurrection Plants

We are in the heart of the cactus country, and furnish the healthiest open-grown stock, over 160 varieties, to the foreign and domestic trade. 28-page illustrated catalogue of Cacti free.

Mexican Resurrection Plants. We are strictly headquarters for this plant and ship all over the world. Good-sized dormant plants, guaranteed to "resurrect," 1000, 10.00; 5,000 at \$8.50; 10,000 at \$8.00.

THE FRANCIS E. LESTER COMPANY, Dept. LS2  
Messila Park, N. M.

### ASPARAGUS PLUMOSUS

2-year clumps, 15c; 2-inch pots, strong. \$2.25 per 100; \$20.00 per 1000.

IMPATIENS in variety, strong, 2-inch, 3c.  
BRIDESMAID ROSES, 2-inch pots, 2½c.

W. W. Coles, Kokomo, Ind.



## ROSES

We have the following young roses to offer:

|                        |                  |
|------------------------|------------------|
| 1500 American Beauties | 800 Cardinal     |
| 250 Richmonds          | 600 Chateaufort  |
| 9500 Brides            | 200 Wootton      |
| 6500 Maids             | 1250 Golden Gate |
| 1250 Uncle John        | 1000 Killarney   |
| 1000 Kaiserin          | 350 Maryland     |
| 500 La France          | 500 Perle        |
| 900 Ivory              | 200 Palmer       |

|                                                   |                                              |
|---------------------------------------------------|----------------------------------------------|
| 10,000 Asters, flats...                           | \$1.50 per 100; \$12.50 per 1000             |
| 2-in. ...                                         | 2.50 per 100; 20.00 per 1000                 |
| 20,000 Coleus, R.C. ...                           | .60 per 100; 5.00 per 1000                   |
| 2-in. ...                                         | 2.50 per 100; 20.00 per 1000                 |
| 5,000 Cannas                                      | 3 in. \$5.00; 4 in. \$8.00                   |
| 1,500 King Humberts                               | 3 in. 8.00; 4 in. 12.50                      |
| 15,000 Geraniums, red, white, pink and salmon     | 2 1/2 in. \$3.50; 3 in. \$5.00; 4 in. \$8.00 |
| 10,000 Chrysanthemums, 2 1/2 in. ready, also R.C. |                                              |

Ask for our Soft Wooded List.

Bulb Stock—Cannas Caladiums, Tuberous-rooted Begonias Dahlias, etc., etc.

GEO. A. KUHLE, Wholesale Grower, Pekin, Ill.

## Pansy Plants

Large stocky plants in bud and bloom, the very best strain, at \$1.25 per 100, \$10.00 per 1000; smaller plants \$2.00 per 1000.

Stocks, Dusty Miller, Verbenas, Phlox, Alyssum, Heliotrope, Ageratums, Mme. Salleroi Geraniums, Asp. Sprengeri and Scarlet Sage, fine plants out of 2 1/2 in. pots, \$2.00 per 100; 300 for \$5.00; \$15.00 per 1000.

Cabbage Plants for field, \$1.25 per 1000.

J. C. SCHMIDT, Bristol, Pa.

### Kansas City.

#### MARKET AND STOCK CONDITIONS.

The cold weather in the Missouri valley has greatly decreased the quantity of stock in the market. Roses, while not of long stem, are of very good quality, especially American Beauties. There is a ready sale for carnations and bulb stock but the prices on this stock is only medium. The bulk of the Easter lily crop of some florists is just now coming in and is being used to good advantage in funeral work. Easter prices are still held on select stock and there is a ready sale for all good stock. The small growers are finding ready sale at present for their 2-year-old rose stock. Select bench bushes are bringing \$8 per 100 and are retailing at \$3 to \$4 a dozen. The outlook for outdoor bulb stock is exceptionally good, notwithstanding the cold weather that has prevailed the last two weeks. Peonies promise a large yield this year if no cold weather comes.

#### NOTES.

The cold wave which swept Kansas and Missouri last week did great damage to fruit and other crops. In many sections the loss of fruit was complete. Grapes are an entire loss. Even the leaves on the trees were killed in many places. Small gardeners and truck raisers are the heaviest losers as all their early vegetables were well advanced. In this vicinity the loss was not so great as the temperature did not go below 32°. There was not much damage to bedding plants as this stock has not yet been planted in any great quantity. Peonies, irises and carnations suffered slightly, but the damage can not yet be accurately ascertained.

Fred Fromhold, manager of the W. L. Rock Flower Co., was married April 17, to Miss Rose of St. Joseph. A reception was held at the house of Mr. Fromhold, which was decorated in Chateaufort roses and bridal wreath.

A great many flowers were used in the inauguration ceremonies at the City hall, April 18, American Beauty

## LOOK BARGAINS IN Bedding Plants

For Immediate Shipment.

NOW READY.

Godfrey Aschmann, the busy bee, is more active than ever. Come and look at what he and his sons and employees have done in four weeks' time. Inspect it yourself, judge it yourself, and you will say "Is it possible?" Ten greenhouses and equally as many frames are filled with choice bedding plants of all descriptions.



|                                                                               |                                   |
|-------------------------------------------------------------------------------|-----------------------------------|
| Cannas, Eisele (best improved dark foliage) 4-in. ....                        | Per 100 \$8.00                    |
| English Ivy, 4-in. ....                                                       | 10.00                             |
| Begonia Erfordl, our well known improved strain, 4-in. (5,000 now ready) .... | 8.00                              |
| Begonia Vernon, dark red, latest improved strain from Switzerland, 4-in. .... | 7.00                              |
| Lemon Verbenas, 4-in. ....                                                    | 7.00                              |
| Scarlet Sage, Clara Bedman or Bonfire, 4-in. ....                             | 7.00                              |
| Ageratum, dwarf best blue, 4-in. ....                                         | 7.00                              |
| Fuchsias, assorted colors, 4-in. ....                                         | 7.00                              |
| Double Petunias, assorted, 4 in. ....                                         | 7.00                              |
| Lantanas, assorted, 4 in. ....                                                | 7.00                              |
| Geraniums, 4 in. pots, best double white, pink and red ...                    | 7.00                              |
| Crimson Rambler Roses, 7-8 in. pots ...                                       | 75c, \$1.00 \$1.25 to \$1.50 each |
| Cobea Scandens, 4 in. ....                                                    | 10c each                          |
| Hydrangea Otaksa, 5 1/2-6-7 in. pots in bud ...                               | 35c 50c 75c each                  |
| Primula Obconica, 5-in., blue, in bloom ...                                   | \$2.00 per doz.                   |
| Dracena Indivisa, 5 to 5 1/2 in. pots ...                                     | 25c each                          |
| Kentia Forsieriana, 6 to 7 in., 40 to 50 in. high and over ...                | \$2.00 \$2.50 to \$3.00 each      |
| Kentia Belmoreana, 4 in., 20c; 3 in. ....                                     | 10c each                          |
| Begonia Flambeau, 6 in. ....                                                  | 25c each                          |

In small plants we have the following in 2 1/2 to 3-in. pots, at \$3.00 per 100:

Verbenas, assorted colors: Phlox Drummondii, dwarf and grandiflora; French dwarf Tagetes (the queen of the Marigolds); Cosmos, red, white and pink (assorted or mixed); Coleus, Verschaffeltii, Gold-n-Bedder, Queen Victoria (fancy colors 4c); Petunias, California Giant, Inimitable, Dwarf and Rosy Morn; Sweet Alyssum, Carpet of Snow or Little Gem; Tradescantia, two colors; Thunbergia, or Black Eyed Susan; Salpiglossis; Lobelia, Crystal Palace, blue dwarf and trailing; Cornflowers (assorted); Dusty Miller; Centaurea Gymnocarpa; Parlor Ivy.

Don't forget that we are the growers and shippers of Ipomoea Noctiflorum, the pure white Moonvine with flowers as big as a saucer, very fragrant and the earliest Moonvine in existence, for which we have a world-wide reputation for the past twenty-five years; grows 50 feet and over in one season; over 25,000 are shipped every spring all over America south, north west and east, Mexico and Cuba; 2 1/2 in. pots, \$5.00 per 100; 3 in. \$8.00 per 100; 4 in. \$12.00 per 100.

Cash with order, please. All plants, 25 at 100 rate. All plants must travel at purchaser's risk only. Watch for our adv. of Araucarias about May 10.

## GODFREY ASCHMANN

Wholesale Grower and Importer of Potted Plants, 1012 West Ontario St., PHILADELPHIA, PA

## PALMS, FERNS AND Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St. BROOKLYN, N. Y.

## Roses in Plenty

on own roots, summer grown, winter rested.

See column adv., page 650, April 23.

THE LEEDLE FLORAL COMPANY, SPRINGFIELD-OHIO.

roses predominating. The flowers were sent to the hospitals at the close of the proceedings.

P. G. Brackenbury, late of the Geo. M. Kellogg Flower & Plant Co., is at present connected with Chas. Mueller of Wichita, Kans. He reports very good business there.

A. F. Barbee, of this city, was elected to the upper house of the city council at the recent election.

MISSOURI.

### Charleston, S. C.

#### THE GARDEN OF ROSES.

One of the most attractive of the many interesting places in and around the city, says the News Courier, at this season of the year is the Magnolia Gardens, on the Ashley river, about 12 miles from the city. Hundreds of visitors from all parts of the country take the trip up the river every year to see the magnificent color effect made by the beautiful flowers

## Robert Craig Co.. HIGH CLASS PALMS

and Novelties in Decorative Plants. Market and 49th Sts., Philadelphia, Pa

## Rooted Cuttings

|                    |          |              |                |
|--------------------|----------|--------------|----------------|
| Per 100            | 1000     | Per 100      | 1000           |
| Heliotropes \$1.00 | \$8.00   | Petunias     | \$1.25 \$10.00 |
| Daisies, white     |          | Salvias      | 1.00 8.00      |
| and yellow 1.00    |          | Alyssum dbl. | .80            |
| Coleus             | .70 6.00 | Ageratums    | .60 5.00       |

Express paid on rooted cuttings.

S. D. BRANT, Clay Center, Kans.

## Ferns for Dishes...

Assorted varieties, 2 1/4 in. pots, \$3.50 per 100; \$30.00 per 1000. Cash with order.

### FRANK OECHSLIN

4911 Quincey St. CHICAGO.

and green foliage. In the gardens may be seen the Cherokee rose, wreathing the trees with brightest colors; acres of azaleas and Pyrus Japonica, wild violets and wistaria, rendering a color scheme that makes a second visit almost compulsory. The trip up the river is a fine one, as the boat passes all the great phosphate works, and on the banks may be seen the great pines draped with gray moss. No visitor should come here and not see the Magnolia Gardens.



## TRADE LIST

Ferns, Boston and Scotti. From 3 in pots \$5.00 per 100.

Funkia, variegata, strong plants. 4½-in. pots, \$1.00 per dozen.

Clematis, large flowering varieties, 2-year-old plants: Jackmanii, Henryi, Mme. Veillard, \$3.00 per dozen.

Clematis, paniculata, strong plants, \$10.00 per 100; 3-in. pots, \$3.00 per 100.

Dracena Indivisa 4-inch pots, \$10.00 per 100.

Geranium, Mrs. Parker, 3-in. pots \$5.00 per 100.

Passiflora coerulea, 3-in. pots \$5.00 per 100. Pfordti, 4-in. pots, \$1.00 per dozen.

Plants from 2½-in. pots, \$3.00 per 100: Achyranthos, Lobelias, double and single blue: Parlor Ivy, Vinca variegata: Ageratum, blue: Coleus, Verschaffeltii, Golden Bedder, Queen Victoria, Quadricolor.

Stock from 3-in. pots, \$4.00 per 100. Geraniums, Rose and Nutmeg: Lantana, Le Naine: Feverfew, The Gem: Ivy, Hardy English: Euonymus, radicans and Golden Variegated. Honeysuckle, Woodbine and Halicena 4-in. pots, \$1.50 per doz.

Carnation Napoleon III. Best hardy ever-blooming, crimson flowers, 2½-in. pots, \$3.00 per 100.

Asparagus Sprengeri, 2-in. pots, \$2.00 per 100; 2½-in. pots, \$3.00 per 100.

**C. EISELE.**

11th and Westmoreland Sts. Philadelphia, Pa.

Mention the American Florist when writing

## Mr. Florist:

Do you grow 'Mums, and do you still grow Ivory for your home trade? If so, how would you like a Yellow Ivory? I have it. It's a true sport exactly like its parent in all but color.

I can quote you immediate delivery on 2½-inch pot plants at \$2.00 per dozen; \$15.00 per 100; \$125.00 per 1000.

**CHARLES H. TOTTY,**  
MADISON, N. J.

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## Neph. Whitmani

2½-in. .... 5.00 per 100  
MAGNIFICA (new), 2½-in. .... 25.00 per 100

Boston Ferns 2½-in., \$3.00 per 100.

Henry H. Barrows & Son, Whitman, Mass.

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### ASPARAGUS, Robustus

3-inch strong \$5.00 per 100. Per 100  
Asparagus, Sprengeri, 3-inch strong.....\$5.00  
Smilax, 2½-in. strong..... 3.00  
Vinca Var., 2½-3-4 in..... \$3.00 \$5.00. 9.00  
Geraniums, Heteranthe and J. Doyle, 4-in. .... 7.00  
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King Humbert New York..... 5.00

WEST END GREENHOUSES,

Hans Schmalzl, Prop. Lincoln, Ill.

## Grafted Rose Stock

Killarney, White Killarney, Bride, Bridesmaid  
and My Maryland,

2¼-in. stock, \$15.00 per 100; \$125.00 per 1000.

**CHARLES H. TOTTY,**

Madison, N. J.

## Geraniums Coleus

|                                                |      |      |                                          |      |
|------------------------------------------------|------|------|------------------------------------------|------|
| 8 varieties, my selection, 2½-in. pots, \$3.00 | 100  | 1000 | 10 varieties 2½-in. pots.....            | 2.00 |
| 8 varieties, 3-in. pots.....                   | 4.00 |      | Double Petunias, Seedlings.....          | 2.50 |
| Asp. Sprengeri seedlings.....                  | 1.00 | 7.00 | 10 varieties of Cannas, 3½ in. pots..... | 4.00 |
| Asp. Sprengeri, 2½-in. pots.....               | 2.00 |      | 400 Asp. Plumosus, 2½-in pots.....       | 2.00 |
|                                                |      |      | Alternantheras, red and yellow.....      | 2.00 |

—Cash. No C. O. D.—

**JOS. H. CUNNINGHAM,** Delaware, O.

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Arrived.

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Fresh  
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Cattleya Trianae, said by customers to be the  
finest importation ever received \$40.00 per case  
Cattleya Labiata ..\$125.00 per 100; \$ 8.00 per doz.

Gaskelliana .....\$40.00 per case  
Oncidium Varicosum Rogersii  
..... \$125.00 per 100; \$18.00 per doz.

All ready to ship now.

**G. L. FREEMAN CO.,**

Successors to  
G. L. Freeman,

Fall River, Mass.

### ORCHID PEAT, (Osmunda Fibre)

Finest quality, hand cleaned, free from sticks and dirt.  
In chunks or handpicked ready for use.

Also Rotted and Azalea Peats, Leaf Mold, Live or Baled  
Sphagnum Moss.

Prices and samples on application.

**THE C. W. BROWNELL CO.,**

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## ORCHIDS

Fresh Arrivals.

Cattleya Trianae in fine condition.

Also C. Gaskelliana,  
Oncidium Varicosum, O. Crispum,  
Miltonia Cuneata, fine for cutting,  
Odontoglossum Grande,  
and many more.

To Arrive in a Few Days.

Another lot of  
Cattleya Mossiae and C. Labiata.

Write for prices.

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Room 1, 235 Broadway.

T. MELLSTROM,  
Agent.

## A FEW GOOD THINGS YOU WANT.

Rex Begonia, 2-in. \$5.00 per 100.  
Asparagus Sprengeri, 3-in. \$5.00 per 100  
Geraniums, Nutt. Doyle, Perkins, Grant, La  
Favorite, R. C., \$1.25: 2-in. pots, \$2.00; 3-in.,  
\$4.00 per 100; Viaud, Castellane, Poitevine,  
Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in.  
pots, \$2.50; 3-in., \$5.00 per 100; Mme. Sallerol.  
2-in., \$3.00 per 100  
Asparagus Plumosus, 2-in. \$3.00 per 100; 3-in.,  
\$5.00 per 100. Cut fronds 25c per bunch  
Boston Ferns, 5-in 25c each. Whitman Ferns,  
4 in. 25c each  
Vinca Var., 2-in. \$2.00 per 100.  
Dracena Ind., 3-in., \$5.00; 4-in., \$10.00 per 100.  
Coleus and Alternanthera, red and yellow: Ver-  
benas, Heliotrope, Cigar Plant, Scarlet Sage,  
Zurich, always in bloom, 2-in., \$2.00 per 100.

Cash with order. No C. O. D. All shipments  
at risk of purchasers, after being delivered to the  
express companies properly packed in good order

**GEO. M. EMMANS,** Newton, N. J.

## Orchids..

We have changed our domicile from Secaucus, N. J., to Mamaroneck, N. Y. We are  
largest collectors and importers of Orchids  
and are now booking orders for all the com-  
mercial Cattleyas for delivery next spring

**CARRILLO & BALDWIN,** Mamaroneck, N. Y.

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**THE FLORIST**  
SAY SO IN YOUR NEXT ORDER.



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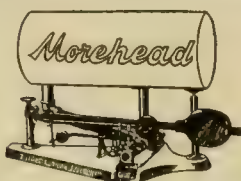
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Steam Traps

The Morehead Return Steam Trap is specially designed and constructed for greenhouse steam heating plants. It fits the dual capacity of steam trap and feed water pump. It will create conditions enabling the florist to grow better flowers; save on fuel, water and labor bills, and derive general all around satisfaction from the installation.

Send for "Florist Trap Book."

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Dept. N, Detroit, Mich.

Wittbold  
Watering System

The saving in time and labor for  
one season will pay for a com-  
plete equipment.

For particulars write to

E. H. HUNT

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C. F. Maler, Denver, Colo., two 21 ft. by 100 ft.

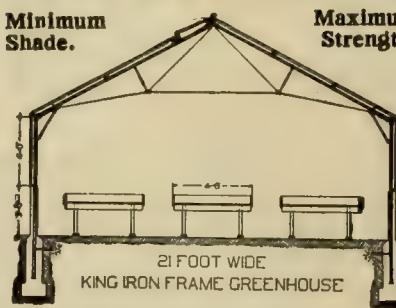
F. Tegerler, Denver, Colo., 25 ft. by 125 ft.

C. Brehmer, Chillicothe, O., 42 ft. by 175 ft.

F. Witthuhn, Cleveland, O., 30 ft. by 66 ft.

F. F. Crump, Colorado Springs, Colo., 21 ft.  
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Walla Walla Floral Co., Walla Walla, Wash.,  
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Alternantheras, strong rooted cuttings. P. major, red, 50c per 100; \$4 per 1,000; A. nana, yellow, 50c per 100; \$4 per 1,000; Brilliantissima, best red, 60c per 100; \$5 per 1,000. R. R. Davis & Co., Morrison, Ill.

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Alternantheras, red and yellow, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Alternantheras, red and yellow, \$2 per 100. Jos. H. Cunningham, Delaware, O.

Alternantheras, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

## ALYSSUM.

Alyssum, giant and dwarf, strong, 2 1/4-in., \$2 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Alyssum, 2 1/4-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

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Antirrhinum, dwarf majus nanum, from seed bed, 1c each; 2 1/4-in., \$2 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

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Asparagus plumosus, 2 1/4-in., \$3 per 100; Sprenger, 2 1/4-in., \$2 per 100; 3-in., \$5; 4-in., \$10. Mosbaek Greenhouse Co., Onarga, Ill.

Asparagus plumosus, 2-yr. clumps, 15c; 2-in. pots, \$2.25 per 100; \$20 per 1,000. W. W. Coles, Kokomo, Ind.

Asparagus Sprenger, strong seedlings, 80c per 100, prepaid, \$6 per 1,000. J. L. Schiller, Toledo, O.

Asparagus plumosus nanus, 2 1/4-in. pots, strong plants, \$2 per 100. Grand Rapids Greenhouse Co., Grand Rapids, Mich.

Asparagus plumosus, 4-in., extra fine large plants, \$8 per 100. Scharf Bros., Van Wert, Ohio.

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Asparagus Sprenger, seedlings, \$1 per 100; \$7 per 1,000; 2 1/4-in., \$2 Plumosus, 2 1/4-in., \$2. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, rose pots, \$25 per 1,000. Sprenger, \$15 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus plumosus nanus, from 3-in. pots, \$5 per 100; \$45 per 1,000. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

Asparagus Sprenger, 3-in., \$5 per 100; robustus, 3-in., \$5. West End Greenhouses, Lincoln, Ill.

Asparagus Sprenger, 2 1/4-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Asparagus Sprenger, 3-in., \$4 per 100. Poehmann Bros. Co., Morton Grove, Ill.

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Asters, Vick's early and late branching, 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Aster Seed. Lady Roosevelt, gorgeous pink, longest stems of any known aster, late branching, 1/2 oz., 25c. Order today and get my special aster plant catalogue. Plants by mail or express, ready by May 10. John S. Weaver, Glen Mawr Seed Farms, Box E, Kinzers, Pa.

Asters, Queen of the Market, Vick's New Upright, in Imperial, Purity and Daybreak, Non Lateral Branching in pink, white, rose, light blue, lavender and crimson, 2 1/4-in., \$2 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Asters, white, \$3 per 1,000. Byer Bros., Chambersburg, Pa.

## AUCUBAS.

Aucubas. Bobbink & Atkins, Rutherford, N. J.

## AZALEAS.

Azaleas. Jacs Smits, Naarden, Holland.

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Bay trees. Bobbink & Atkins, Rutherford, N. J.

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Bedding plants. Cannas, 4-in., \$8 per 100. English ivy, 4-in., \$10. Begonia Erford, 4-in., \$8; Vernon, 4-in., \$7. Lemon Verbenas, 4-in., \$7. Scarlet Sage, 4-in., \$7. Ageratum, 4-in., \$7. Fuchsias, 4-in., \$7. Dbl. petunias, 4-in., \$7. Lantanas, 4-in., \$7. Primula obconica, 5-in., \$2 per doz. Dracena indivisa, 5 and 5 1/2 in., 25c each. Begonia Flambeau, 6-in., 25c. Plants 2 1/2 and 3-in: Verbenas, phlox, cosmos, Coleus, petunias, sweet alyssum, tradescantia, thunbergi, lobelia, cornflowers, Centaurea Gym., Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Bedding stock, 2 1/4-in., \$3 per 100: Achyranthes, lobelia, parlor ivy, vincas, moon vine, ageratum, salvia, coleus. Stock from 3-in., \$4 per 100: Geraniums, daisies, lantanas, feverfew, ivy geranium, English ivy, euonymus. Rooted cuttings, \$1 per 100: Salvia, coleus, Achyranthes Linden, parlor ivy, C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Bedding plants. For varieties and prices see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

## BEGONIAS.

Begonias, tuberous rooted, separate colors, single, \$2.50 per 100; double, \$4.50 per 100. Caladium esculentum, 6-9, \$3 per 100; 9-12, \$6 per 100. Gloxinias, mixed colors, \$3.50 per 100; separate, \$4.50 per 100. F. R. Peterson Co., Tarrytown-on-Hudson, N. Y.

Begonia Gloire de Lorraine and Agatha, \$15 per 100; \$140 per 1,000. Turnford Hall, \$20 per 100. Pres. Taft, \$20 per 100. J. A. Peterson, Westwood, Cincinnati, O.

Begonia Lorraine and Agatha, 2 1/4-in., twice transplanted, \$12 per 100; in 500 lots, \$50 the 500. Julius Roehrs Co., Rutherford, N. J.

Rex begonias, 2-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

## BOXWOOD.

Boxwoods. For prices see advertisement elsewhere in this issue. Wittbold Co., 737 Buckingham Pl., Chicago.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

Box trees, all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

## BULBS.

Bulbs, Lillium longiflorum multi., 7-9, \$50 per 1000. Giganteum, 7-9, \$65. Formosum, 7-9, \$65. Buds 76 Barclay St., New York.

Gladiolus Alice Carey, the best white in cultivation, No. 1 bulbs, \$5 per 100; \$40 per 1,000. America, No. 1, \$4 per 100; \$30 per 1,000. Golden Nugget, best bright yellow, \$1.50 per doz.; \$10 per 100. Princeps, \$1.25 per doz.; \$8 per 100. List free. E. Y. Teas Co., Centerville, Ind.

Bulbs, Lillium auratum, 8-9 in., 130 to case, \$4.50 per case. L. speciosum album, 8-9 in., 220 to case, \$13 per case. Cycas stems, 1/2 lb., 300 lbs. to case, \$16.50 per case. Yokohama Nursery Co., Ltd., 31 Barclay St., New York.

Bulbs, Gladiolus, Brechleyensis, May, Ceres, Isaac Buchanan, Pactoll, La March, Cinnamon vines, lilies, iris, oxalis. E. S. Miller, Wading River, L. I., N. Y.

Bulbs, hyacinths, tulips, narcissus, crocus, spireas, gladiolus, peonies, etc. Van Zanten Bros., Hillegom, Holland.

Bulbs, Tuberosa Armstrong, \$1.80 per 100; \$16 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Chinese sacred lilies, \$3 per 100; \$25 per 1,000. Dingee & Conard Co., West Grove, Pa.

Bulbs, all florists' varieties. H. E. Fiske Seed Co., Faneuil Hall Square, Boston.

Bulbs, Callas. Berrydale Exp. Gardens, Holland, Mich.

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Cannas, Buttercup, B. de Poitevine. F. Vaughan, Pierson's Premier, Rohallion, Robt. Christie, Souv. d'A. Crozy, Pennsylvania, Crimson Bedder, F. Benary, \$3 per 100; \$25 per 1,000. Golden King, Mlle. Berat, L. Patry, Austria, Robusta, \$2 per 100; \$15 per 1,000. King Humbert and Tarrytown, \$8 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Cannas, King Humbert, Chas. Henderson, Ex. Crampbell, Mme. Crozy, A. Bouvier, Mlle. Berat, F. Vaughan, Souv. d'A. Crozy, W. C. Beckert, 103 Federal St., Northside, Pittsburg, Pa.

Cannas, Jean Tissot, Pres. Myers, Pennsylvania, Buttercup, Louisiana, Egandale, Florence Vaughan, Alph. Bouvier, 3-in., 75c per doz.; \$3 per 100; \$25 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Cannas, Allemania, Pennsylvania, Kate Gray, \$2.50 per 100. West End Greenhouses, Lincoln, Ill.

Cannas. For varieties and prices see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Cannas. A good assortment of fine bulbs. Write if interested. Mosbaek Greenhouse Co., Onarga, Ill.

Cannas, 10 vars., 3 1/2 in., \$4 per 100. Jos. H. Cunningham, Delaware, O.

## CACTI.

Cacli. Over 100 varieties of cacli. from \$7 per 100 up. Write for free 28-page catalogue, and prices to the trade. Also Mexican Resurrection plants. The Francis E. Lester Company, Dept. L. S., Mesilla Park, N. M.

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Carnations, Conquest, Sangamo, Mary Tolman, \$12 per 100; \$100 per 1,000. White Enchantress, White Perfection, Daybreak Lawson, Rose Pink Enchantress, Winona, Winsor, Splendor, Afterglow, Lawson-Enchantress, Beacon, Victory, Andrew Carnegie, \$3 per 100; \$25 per 1,000. Enchantress, \$2.50 per 100; \$20 per 1,000. May Day, \$6 per 100; \$50 per 1,000. Alvina, \$5 per 100; \$45 per 1,000. O. P. Bassett, \$6 per 100; \$50 per 1,000. Gov. Deneen, \$5 per 100; \$45 per 1,000. Chicago Carnation Co., Joliet, Ill.

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Carnations, Scarlet Glow, \$12 per 100; \$100 per 1,000. Pink Delight, \$6 per 100; \$50 per 1,000. W. Perfection, R. P. Enchantress, Winona, W. Enchantress, \$3 per 100; \$25 per 1,000. F. Dornier & Sons Co., La Fayette, Ind.

Carnations, White Enchantress, \$3 per 100; \$25 per 1,000. Rose Pink Enchantress, \$2.50 per 100; \$20 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, R. C., \$2 per 100. Elbon, Boston Market, Napoleon III, 2½-in., \$3 per 100. C. Elsiele, 11th and Westmoreland Sts., Philadelphia.

Carnations. Wood Bros., Fishkill, N. Y.

### CENTAUREAS.

Centaurea Gym., 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

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CHRYSANTHEMUMS, R. C. Ready Now.  
White. Per 100 Pink. Per 100  
Oct. Frost.....\$2.00 Pink Ivory..... 2.00  
Estelle ..... 2.00 Rosiere ..... 2.00  
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C. Tousest..... 2.00 Black Hawk..... 2.00  
WIETOR BROS.  
51 Wabash Ave. Chicago.

Chrysanthemums, rooted cuttings, White, Tousest, Alice Byron, T. Eaton, J. Nonin, Ivory, Desjonis, Baby Margaret, Pink, Amorita (very early), Glory of Pacific, M. Dean, Mary Mann, Rosette, Pink Ivory, Yellow, Golden Glow (very early), M. Bonnafon, Y. Eaton, Crema, Robt. Halliday, Golden Eagle, Yellow Jones, Baby, Write for price list. Wm. Swayne, Kennett Square, Pa.

Chrysanthemums, Oct. Frost, Kalb, Tousest, Byron, Wanamaker, W. Cloud, Nonin, Balfour, Enguehard, G. Glow, Monrovia, Oct. Sunshine, Appleton, Halliday, Bonnafon, \$2 per 100; \$15 per 1,000. V. Poehlmann, T. Eaton, W. Chadwick, Y. Eaton, \$2.50 per 100; \$20 per 1,000. Golden Chadwick, \$3 per 100; \$25 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

THE BIG LEADERS. Pres. Taft (glistening curly white); Gloria (the Enchantress); Mrs. W. E. Kelley (yellow); also the Xmas dollar makers, J. Rosette and Golden Chadwick, plants, \$4; R. C., \$3. Frost, Early Snow, Tousest, B. May, Nonin, Shaw, Enguehard, plants, \$2.50; R. C., \$1.50. Prime stock, guaranteed. Cash only. The Union City Greenhouses, Union City, Pa.

GLORIA, a large early Enchantress pink Mum. Pres. Taft, a large glistening white; both have stems and foliage unsurpassed, R. C. prepaid; Taft, 25, \$1; Gloria, \$2.50; 2½-in., \$3.50. Chas. Frost, Kenilworth, N. J.

Chrysanthemums, Golden Glow, Poehlmann, Desjonis, Pacific Supreme, Roosevelt, Nonin, Estelle, Monrovia, etc., 20 best varieties, strong rooted cuttings, \$1 per 100; list. Edward Wallis, Atco, N. J.

Chrysanthemums, Dolly Dimple, Patty, Merry Jane, \$1.50 per doz.; \$10 per 100. F. Dornier & Sons Co., La Fayette, Ind.

Gloria, Pres. Taft, Mrs. W. E. Kelley, 2-in., 5c. Bonnafon, White Bonnafon, 2-in., 3c. J. L. Schiller, Toledo, O.

Chrysanthemums. We have 75 varieties, including singles and pompons, \$15 per 1,000. "Enough Sed" Ehmann's, Corfu, N. Y.

Chrysanthemum Helen Frick, 2½-in., \$10 per 100; rooted cuttings, \$8; unrooted, \$5. Henry Eichholz, Waynesboro, Pa.

Chrysanthemums. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Hardy chrysanthemums, 2-in., \$2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Chrysanthemum novelties. Charles H. Totty, Madison, N. J.

Chrysanthemums. A. N. Pierson, Inc., Cromwell, Conn.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

Chrysanthemums. Elmer D. Smith & Co., Adrian, Mich.

### CINERARIAS.

Cineraria, Maritima Can., 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Cinerarias, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

### CLEMATIS.

Clematis, 2-yr., Jackmani, Henryl. Mme. Veillard, \$3 per doz. Panicalata, \$10 per 100; 3-in., \$5 per 100. C. Elsiele, 11th and Westmoreland Sts., Philadelphia.

Clematis paniculata, field-grown, 1-yr., 5c; 2-yr., 8c. Dingee & Conard Co., W. Grove, Pa.

### COLEUSES.

Coleus, Golden Bedder and Verschaffelt, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Coleus, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Coleus, 10 best kinds from 2-in., 2c. J. L. Schiller, Toledo, O.

Coleus, 10 var., 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus, 16 kinds, 2½-in., \$2 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Coleus. J. L. Dillon, Bloomsburg, Pa.

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Cyclamens, finest stock, in separate colors, 3½-in. pots, \$10 per 100. Julius Roehrs Co., Rutherford, N. J.

### DAHLIAS.

Dahlias, six novelties of special merit, Corona, Charles Clayton, W. K. Jewett, Manitou, Princess Yelive, The Baron, other novelties and the best standard varieties. The best is the cheapest. Prices reasonable and fair dealing guaranteed. Hollyhocks and other hardy plants. Catalogue. W. W. Wilmore, Box 382, Denver, Colo.

Dahlia roots, mixed to color, \$4 per 100; \$35 per 1,000. Jack Rose, Sensation, Fringed 20th Century, Beauty, Gladys, Rose Pink Century, Big Chief, \$3.50 per doz.; \$25 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Dahlias, Black Beauty, Elegante, \$3 per 100; Arabella, Earl of Pembroke, \$4 per 100; field-grown, undivided roots. Order today. Wagner Park Conservatories, Sidney, Ohio.

Dahlias, Pape & Bergmann, Quedlinburg, Germany.

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Daisies, \$2 per 1,000. J. C. Schmidt, Bristol, Pa.

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Dracena indivisa, from 2½-in. pots; pot bound, \$3.50 per 100. Calla lilies, in 6-in. pots, \$12 per 100. Frank J. Reppa, 19 N. Vermont St., Brooklyn, N. Y.

Dracena indivisa, 4-in., \$10 per 100. C. Elsiele, 11th and Westmoreland Sts., Philadelphia.

Dracena indivisa, 1-year, strong, bench grown, transplanted in Sept., \$1.50 per 100; \$12 per 1,000. Cash. E. Fryer, Johnstown, Pa.

Dracena indivisa, perfect specimens, 30 to 36 ins. high, 5-in. pots, 25c each. John Irvine & Sons, Bay City, Mich.

Dracena indivisa, 4-in., 12c each. Mosbaek Greenhouse Co., Onarga, Ill.

Dracena indivisa, 5 and 6-in., 30c and 50c each. John E. Sten, Red Wing, Minn.

Dracenas, Bobbink & Atkins, Rutherford, N. J.

Dracena indivisa, 3-in., \$5; 4-in., \$10 per 100. Geo. M. Emmans, Newton, N. J.

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NEPHROLEPIS PRUESSNERI. This beautiful new and fluffy fern now ready again. Strong 2½-in. plants at \$3 per doz., delivered anywhere in the United States by mail. By express (you pay the charges), \$20 per 100; \$175 per 1,000. Cash, please. J. D. Pruessner, Galveston, Texas.

Ferns, Amerpohl, Whitman, Pierson and Boston, 2½-in., \$2.50 to \$3 per 100; 4-in., \$6 per 100. Asparagus Sprengeri, field-grown, ready for 6-in. pots, \$20 per 100. Metalrie Ridge Nursery Co., Ltd., 141 Carondelet St., New Orleans, La.

Ferns, Improved Elegantissima, 4-in., \$3 per doz.; 6-in., \$9 per doz.; 8-in., \$12 to \$18 per doz. Superbissima, 4-in., \$3 per doz.; 6-in., \$6 to \$9 per doz.; 8-in., \$12 to \$18 per doz. Boston, Pierson, Whitman, Scottil, 6-in., \$6 per doz.; 8-in., \$12 per doz. F. R. Pierson Co., Tarrytown, N. Y.

### FERNS FOR FERN DISHES.

Extra strong, healthy, bushy, full-grown 2½-in. stock, guaranteed to please; assortment of 12 best varieties, \$3 per 100; \$25 per 1,000; 250 at 1,000 rate. J. F. Anderson, Fern Specialist, Short Hills, N. J.

Ferns, Boston and Pierson, 2½-in., 4c each; 3-in., 8c. Whitman and Elegantissima, 3-in., 10c. Mosbaek Greenhouse Co., Onarga, Ill.

Nephrolepis, Whitman, 4-in. pots, 8c each; 3-in. pots, 5c each; 2½-in. pots, 3c each; 2¼-in., 1½c each; runners, 1c. Ley & Bro., Highland, N. Y.

Ferns for dishes, asst., 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Fern Nephrolepis Giatrasil, 2½-in., \$3.50 per doz.; \$25 per 100; \$200 per 1,000. George Giatras, 463 Summit Ave., W. Hoboken, N. J.

Ferns, Boston and Scottil, 3-in., \$5 per 100. C. Elsiele, 11th and Westmoreland Sts., Philadelphia.

Ferns, Boston, 3-in., 8c each. Mosbaek Greenhouse Co., Onarga, Ill.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Fern Whitman, 2½-in., 3c; \$25 per 1,000. John A. Doyle, Springfield, O.

Ferns, Boston, 3-in., 25c each. Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns, Whitman, 2½-in., \$5 per 100. Henry H. Barrows & Sons, Whitman, Mass.

### FEVERFEW.

Feverfew, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Feverfew, R. C., 75c per 100 prepaid. Chas. Frost, Kenilworth, N. J.

Feverfew, from seed bed, 1½c; 2½-in., 3c. Mosbaek Greenhouse Co., Onarga, Ill.

### FICUS.

Ficus elastica, 22-24 ins., \$6 per doz.; \$50 per 100. Frank Oechslein, 4911 Quincy St., Chicago.

### FUCHSIAS.

Fuchsias, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

### GERANIUMS.

Geraniums, strong 2-in. stock, Heteranthe, Nutt, Jean Viald, La Favorite, L'Aube, Hill, \$2 per 100; \$13 per 1,000. Our selection, \$17 per 1,000. Pamela, \$4 per 100. Anastasia Lecadre, \$3 per 100. Red Wing, the best novelty of the season, 25c each; \$2.50 per doz. Write for geranium catalogue. F. H. DeWitt & Co., Wooster, Ohio.

ROOTED GERANIUM CUTTINGS—Selected stock, Nutt (dark red), Grant (bright red), Poitevine (salmon), Viald (pink), Buchner (white). Extra nice stock for delivery May 1st. \$12.50 per 1,000; \$1.50 per 100. Cash. The W. T. Buckley Co., Springfield, Ill.

Geraniums, fine stock, finest and best bloomers, Nutt, Grant, Ricard, La Favorite, Poitevine, Jaulin, Trego, Perkins, etc., 4-in., all in bud and bloom, \$6 per 100; \$55 per 1,000. Double Red Silver leaf, 4-in., 10c. Samuel Whitton, 84 Churchill Ave., Utica, N. Y.

Geraniums, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., \$1.25; \$2.25, 3-in., \$4 per 100. Viald, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in., \$2.60; 3-in., \$5 per 100. Mme. Sallerol, 2-in., \$3 per 100. G. M. Emmans, Newton, N. J.

Apple geraniums, 2-in., \$2 per 100; 3-in., \$4. Standard varieties, 2-in., \$2 per 100; \$13.50 per 1,000; ivy leaved, 2-in., \$2 per 100; \$13.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, standard varieties, 2½-in., 3c each, \$25 per 1,000; 3-in., 6c each, \$50 per 1,000; 4-in., 10c each; \$90 per 1,000. Mme. Sallerol, 3-in., 4c; 2½-in., 2c. Mosbaek Greenhouse Co., Onarga, Ill.

Geraniums. For varieties and prices see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Geraniums, 8 vars., 2½-in., \$3 per 100; \$25 per 1,000; 3-in., \$4. Jos. H. Cunningham, Delaware, O.

Geranium, R. C., Ricard, Poitevine, S. A. Nutt, \$10 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, apple, 2-in., \$2; 3-in., \$4 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, Mrs. Parker, 3-in., \$5 per 100. C. Elsiele, 11th and Westmoreland Sts., Philadelphia.

Geraniums, Heteranthe, Doyle, 4-in., \$7 per 100. West End Greenhouses, Lincoln, Ill.

Sallerol, fine 2½-in., \$2 per 100. T. J. Petters, Harbor Springs, Mich.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It



**GREENS.**

Greens, fancy and dagger ferns, \$2.00 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large bales, \$1.25; Leucothoe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch, 50 lbs., \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, dagger and fancy ferns, \$1.50 per 1,000. Bronze and green galax, \$1 per 1,000; \$8.50 per 10,000. Leucothoe Sprays, \$1 per 1,000; \$7.50 per 10,000. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, southern wild smilax. Log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, hardy ferns, \$1.40 per 1,000. Baled spruce for cemetaries. L. B. Brague & Son, Hinsdale, Mass.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 33 W. 28th St., New York.

Greens, cut palmetto and cycas leaves, galax, leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

**HARDY PLANTS.**

Hardy perennials. 2-in. pots. Delphinium Belladonna, everblooming hardy larkspur, \$3.50 per 100; \$30 per 1,000. Dianthus Lat. atroc. fl. pl., everblooming, \$2 per 100. Myosotis palustris semperflorens, \$2 per 100. Shasta daisy, \$2 per 100. A. Hirschleber, Riverside, N. J.

Drer's hardy delphiniums. For varieties and prices see advertisement elsewhere in this issue. Henry A. Drer, Inc., 714 Chestnut St., Philadelphia.

Perennial phlox, named varieties, field-grown \$5 to \$10 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Perennials. All of the most desirable varieties. Let us know your wants. Wagner Park Conservatories, Sidney, O.

Moonvines, 2½-in., \$5 per 100; 3-in., \$8; 4-in., \$12. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Perennials and other hardy plants. Palisades Nurseries, Inc., Sparkhill, N. Y.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

**HELIOTROPES.**

Heliotrope, Miss Bernice, 2½-in., \$8 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Heliotropes, blue, large plants from soil, strong transplanted stock, 75c per 100; \$5 per 1,000. Samuel Whitton, Utica, N. Y.

Heliotrope, R. C., prepaid, 75c per 100. Chas. Frost, Kenilworth, N. J.

Heliotrope, 2-in., \$2 per 100. Geo. M. Emmons, Newton, N. J.

**HOLLYHOCKS.**

Hollyhocks, double field-grown, true to color, strong stalk, red, white, pink, yellow, maroon and black; colors separate. Also Allegheny or Everblooming in mixture, \$3 per 100; \$25 per 1,000. Going fast. Order to-day. Cash. W. W. Wilmore, Box 382, Denver, Colo.

Hollyhocks, double, in separate colors, out of 4-in. pots, extra heavy and healthy. Price \$8 per 100. A. L. MILLER, Florist and Nurseryman, Jamaica, L., Opp. Schenck Ave., Brooklyn, N. Y.

Hollyhocks, assorted, 2½-in., 3c. Mosbaek Greenhouse Co., Onarga, Ill.

**HYDRANGEAS.**

Hydrangea Arborescens Grandiflora Alba. The true large flowering forcing variety, warranted true, 2½-in. pots, \$3 per 100; 1-year field-grown, strong, 12 to 18 inches, \$6 per 100; \$55 per 1,000. New trade list ready. Write for it today. The Good & Reese Co., The Largest Rose Growers in the World, Springfield, O.

Hydrangea Arborescens Grandiflora. We have the largest stock of strong 2-year plants in America. Plants 2 to 3 feet, \$2.50 per doz.; \$15 per 100; \$140 per 1,000. Good plants, 15 to 20 inches, \$10 per 100. List free. E. Y. Teas, Centerville, Ind.

Hydrangea Arborescens Grandiflora Alba (grown from stock obtained from The E. G. Hill Co.). Field grown 15 to 20 ins., \$7 per 100; \$85 per 1,000; a smaller size, \$5 per 100; 2½-in., \$3 per 100; \$25 per 1,000. John A. Doyle, Springfield, O.

Hydrangea Otaksa, rooted cuttings at \$1.50 per 100. J. H. Flesser, Hamilton Ave., North Bergen, N. J.

Hydrangea, paniculata, grandiflora, 18 to 24 ins., 6c; 2 to 3 ft., 9c. D'Angelo & Conard Co., West Grove, Pa.

**IVY.**

Ivy, hardy English, 4-in. pots, very bushy, 3 to 4 ft. tall, \$15 per 100. John Reck & Son, Bridgeport, Conn.

Ivy, German or English, 2-in., \$2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

English ivy, staked up, 4-in. pots, \$10 per 100. Cash. John Irvine & Sons, Bay City, Mich.

**JERUSALEM CHERRIES.**

Solanum, Jerusalem, cherries, seedlings, 1c each. Mosbaek Greenhouse Co., Onarga, Ill.

**LILACS.**

Lilacs. Jacs Smits, Naarden, Holland.

**LILY OF THE VALLEY.****To Import.**

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

**From Storage.**

Lily of the valley, cold storage, 250, \$3.50; per 1,000, \$13. W. C. Beckert, Northside, Pittsburg, Pa.

Lily of the valley, H. N. Bruns, 3040 W. Madison St., Chicago.

Lily of the valley, cold storage, \$12.50 per 1,000. Buds, 76 Barclay St., New York.

**LOBELIA.**

Lobelia Newport Model, 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lobelia Kathleen Mallard, 2-in., 2c. J. L. Schiller, Toledo, O.

**MYOSOTIS.**

Forget-me-nots, myosotis, early flowering, 3-in., \$3 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

**MUSHROOM SPAWN.**

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

Mushroom Spawn. Sure crop, \$8 per 100 lbs. Weeber & Don, 114 Chambers St., N. Y.

**NURSERY STOCK.**

Nursery stock, evergreens, shade and ornamental trees, shrubs, vines, trained dwarf and standard fruit trees, grape vines, small fruits. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, conifers, boxwoods, azaleas, rhododendrons, forest and fruit trees, hedge plants, etc. S. A. Vosters & Sons, Riel, Holland.

Nursery stock, Clematis, ampelopsis, tree hydrangeas, lilacs, shrubs, vines and perennials. Jackson & Perkins, Newark, N. Y.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock arbor vitae (Thuja occidentalis), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Viburnum plicatum, 2 to 3 ft., 12c. Dingee & Conard Co., West Grove, Pa.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

**ORCHIDS.**

Orchids importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchid peat, rotted azalea peat, leaf mold, live or baked sphagnum moss. C. W. Brownell Co., Walden, N. Y.

Orchids, Cattleya Trianae, labiata, Warneri, Dendrobium, Oncidium, V. Rogersii. G. L. Freeman Co., Fall River, Mass.

Orchids, all commercial, cattleyas and novelties. Carillo & Baldwin Seacacucus, N. J.

Orchids. Largest stock in the country. Julius Roehrs Co., Rutherford, N. J.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

**PALMS.**

Palms, Kentia Fors., 6 to 7-in., 40 to 50 ins., \$2 to \$3 each. Kentia Bel., 4-in., 20c; 3-in., 10c each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Kentias. Joseph Heacock Co., Wyncote, Pa.

Palms, Kentias, in 2½-in. pots, \$8 per 100; \$75 per 1,000. Jackson & Perkins Co., Newark, N. Y.

Palms. For varieties and prices see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Palms. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Palms, Bobbink & Atkins, Rutherford, N. J.

**PANSIES.**

Ready now, 250,000 fine large, fall transplanted pansies in bud and bloom. Superb strain; the finest market strain grown. A trial order will convince you that they are the best you ever had. You need them for your particular trade. Price, \$1.25 per 100; \$10 per 1,000. Cash with order. Leonard Cousins, Jr., Concord Junction, Mass. Telephone 82 Concord

50,000 field-grown pansy plants. They never saw either a cold or hot bed, strong, husky plants; beautiful blooms. They are the kind that sell and please, \$20 per 1,000. Albert A. Sawyer, Pansy Specialist, Pansy Garden, Oak Park, Ill.

Pansy plants, Kenilworth strain from fall sown seed, prepaid, 50c per 100; large, \$1; 1,000 by express, \$3; large, \$8. Chas. Frost, Kenilworth, N. J.

Pansy and verbenas baskets 10x5x3, \$5 per crate of 500. L. D. Robinson, Jr., 182 Main St., Springfield, Mass.

Pansies, fine strong plants, \$5 per 1,000. Mosbaek Greenhouse Co., Onarga, Ill.

Pansies, \$2 per 1,000. Byer Bros., Chambersburg, Pa.

Pansies, \$2 per 1,000. J. C. Schmidt, Bristol, Pa.

**PENNISETUMS.**

Pennisetum Ruppelianum (fountain grass), 2½-in., \$2.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

**PEONIES.**

Peonies, all vars., Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars., W. & T. Smith Co., Geneva, N. Y.

Peonies only by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

Peonies, a superb collection. Jackson & Perkins Co., Newark, N. Y.

**PEPPERS.**

Celestial peppers, from seed bed, \$1 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

**PETUNIAS.**

Petunias, dbl. mixed or Drer's single, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Petunias, dbl., seedlings, \$2.50 per 100. Jos. H. Cunningham, Delaware, O.

Petunias, dbl. fringed, 5 good vars., rooted cuttings, 1c. J. L. Schiller, Toledo, O.

Petunia, 2-in., 2c. Byer Bros., Chambersburg, Pa.

**PRIMULAS.**

Primula obconica, gigantea, rosea. The bright color for the holiday trade, very strong stock, 2½-in., \$2.50 per 100, cash. These will be good money makers. Freeport Floral Co., Freeport, Ill.

Primula obconica, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

**PRIVET.**

50,000 California privet and Ampelopsis Veitchii, field-grown. Benj. Connell, Merchandise, N. J.

**RHODODENDRONS.**

RHODODENDRON CATAWBIENSE. The best of all, 12 to 20 buds, \$75 per 100; 25 to 35 buds, \$12 per doz.; larger specimens, \$15 per doz. Wagner Park Conservatories, Sidney, O.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

**RESURRECTION PLANTS.**

Resurrection Plants.—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis E. Lester Company, Dept. L. S., Mesilla Park, N. M.

**ROSES.**

Roses, on own roots, budded, bedding. H. P. S. hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

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ROSES, 2½-inch: Francis E. Willard, Mrs. Ben R. Cant, Burbank, Kaiserin, Red La France, White LaFrance, M. Niel, Gruss an Teplitz, Souv. de Pierre Notting, Tausendschon, Philadelphia Rambler, White Baby Rambler, \$3 per 100; \$25 per 1,000. VEILCHENBLAU, the greatest novelty; color violet blue; extra heavy 2-year stock, 90c each; \$10 per doz. Wagner Park Conservatories, Sidney, O.

ROSE PLANTS, 2½-INCH POTS.  

|                    |     |      |
|--------------------|-----|------|
|                    | 100 | 1000 |
| Kaiserin .....     | 4   | 35   |
| Mrs. Jardine ..... | 4   | 35   |
| Richmond .....     | 3   | 25   |

 WIETOR BROS. Chicago.

Roses, grafted stock, Killarney, White Killarney, Bride, Maid, My Maryland, ¾-in., \$15 per 100; \$125 per 1,000. C. H. Totty, Madison, N. J.

Roses, for varieties and prices, see page advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Roses, Bride, Maid, Golden Gate, 3-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

Roses, Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

Roses, Bridesmaid, 2-in., 2½c. W. W. Coles, Kokomo, Ind.

Roses, leading varieties. E. G. Hill Co., Richmond, Ind.

New Rambler (violet blue). Ellwanger & Barry, Rochester, N. Y.

Roses, leading varieties. Leedle Floral Co., Springfield, O.

Roses, 3-in., Wood Bros., Fishkill, N. Y.

**ROOTED CUTTINGS.**

Rooted Cuttings, prepaid: Coleus, 10 kinds, 60c per 100; \$5 per 1,000. Heliotrope, \$1. Paris daisy, yel. and white, \$1. Cuphea, 75c. Vinca, var., 90c. Alternantheras, 3 kinds, 50c per 100; \$4.50 per 1,000. Ageratum, 3 kinds, 60c. Swainsona alba, \$1. Dbl. petunias, 10 kinds, \$1. Byer Bros., Chambersburg, Pa.

**SALVIAS.**

Salvia Zurich, R. C., 1c, from 2-in., 2c; from 3-in., 3½c. Bavaria, the white Zurich, 1910 introduction from 2-in. pots, \$1 per doz. J. L. Schiller, Toledo, O.

Salvia Bonfire, strong, 2-in. plants from seed, ready to shift, \$1.75 per 100; \$17 per 1,000 cash. This is fine stock, must move it to get room. N. E. Beck, Massillon, O.

Salvia Splendens and Bonfire, transplanted seedlings, prepaid, 75c per 100. Chas. Frost, Kenilworth, N. J.

Salvia Bonfire and Zurich, 2-in., \$2 per 100; \$17.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

SALVIAS, 2½ in. pots, 3c each; \$2.50 per 100. Fine aster plants, \$2.50 per 100. B. F. Castner, 120 Taylor St., Washington, N. J.

Salvia Bavaria (the white Zurich), 1910 introduction, nice plants, 2-in., \$1 per doz. J. L. Schiller, Toledo, O.

Salvias, Zurich, Bonfire and Splendens, 2½-in., \$2.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Salvia Zurich, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

**SEEDS.**

Seeds, asters, mignonette, Begonia Vernon, Cineraria, Primula Chinensis, Obconica, Salvia Bonfire and Splendens, Verbenas, Cyclamens and pansies. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Seeds, onion, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

HYBRID GERBERAS (Adnet's strain), Crop 1910, \$9 per 1,000 seeds; \$60 per 10,000 seeds, from the originator. Cash. Adnet, Antibes, France.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, sweet peas, for varieties and prices, see advertisement elsewhere in this issue. Weeber & Don, 114 Chambers St., New York.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, Phoenix Roebeleni. Sander, T. Mellstrom, Representative, 235 Broadway, New York.

Seeds, turnips: Seven-Top, Dixie, Frost King, Prize Taker. D. Landreth Seed Co., Bristol, Pa.

Seeds, specialties, Stocks, pansies, cyclamens, etc. Pape & Bergmann, Quedlinburg, Germany.

Seeds, Bermuda onion. Federico C. Varela, Teneriffe, Canary Islands.

Vegetable seeds, plants, sold direct. Catalogue free. Glick Seed Farms, Lancaster, Pa.

Seed, asters. Vick & Hill, Box 4613, Rochester, N. Y.

Seed, pansy, 1,000 seeds, 25c; 1 oz., \$2.25. H. Wrede, Luneburg, Germany.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds. Landreth Seed Establishment. Bloomsdale Farms, Bristol, Pa.

Seeds, Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds, Stokes' standards. 219 Market St., Philadelphia.

Seeds of all kinds. H. E. Fiske Seed Co., Boston.

#### Contract Growers.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon; sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohmert, Gilroy, Calif.

Seeds, Cauliflower and cabbage. Hjalmar Hartman & Co., 31 Barclay St., New York, and 12 Stormgade, Copenhagen.

Seeds, growers for the wholesale trade only. Brasian Seed Growers' Co., San Jose, Calif.

Seeds, peas, beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, field, garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, sweet peas. Anton Zvolanek, Boudbrook, N. J.

California seed contracts. Kimberlin Seed Co., Santa Clara, Calif.

**SMILAX.**

Smilax, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax, 2½-in., \$3 per 100. West End Greenhouses, Lincoln, Ill.

Smilax. Wood Bros., Fishkill, N. Y.

**SPIREAS.**

Spireas. J. Smits, Ltd., Naarden, Holland.

**STEVIA.**

Stevia, R. C., prepaid, 75c per 100. Chas. Frost, Kenilworth, N. J.

**STOVE PLANTS.**

Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

**SWAINSONA.**

Swainsona alba, 2-in., \$2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

**VEGETABLE PLANTS.**

| VEGETABLE PLANTS.            | Per 1,000 |
|------------------------------|-----------|
| Cabbage, transplanted .....  | \$ 3.50   |
| " seedlings .....            | 1.25      |
| Cauliflower, seedlings ..... | 4.00      |
| " transplanted .....         | 5.00      |
| Celery, seedlings .....      | 1.25      |
| " transplanted .....         | 3.50      |
| Egg plants, seedlings .....  | 3.00      |
| " pot plants .....           | 25.00     |
| Peppers, seedlings .....     | 3.00      |
| " pot plants .....           | 25.00     |
| Tomatoes, seedlings .....    | 2.00      |
| " plants, per 100 .....      | 4.00      |

Mosbaek Greenhouse Co. Onarga, Ill.

Vegetable plants, beet, 20c per 100; \$1.25 per 1,000. Egg plant, 40c per 100; \$2 per 1,000. Pepper, Bull Nose, Sweet Mountain, Ruby King, 40c per 100; \$2 per 1,000; Tomato, small plants, Earliana, Early Jewel, Dwarf, Stone, Champion, Ponderosa, Matchless, 30c per 100; \$2 per 1,000. Tomato, small plants, Stone, Paragon, Favorite, Success, 20c per 100; \$1 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Tomato plants, all the best sorts from seed bed, \$2 per 1,000; transplanted, \$3 per 1,000. Cauliflower, Erfurt, large from seed bed, \$2 per 1,000; transplanted, \$3 per 1,000. Cash. E. Fryer, Johnstown, Pa.

Tomatoes, Earliana and Beauty, \$2 per 1,000. Cabbage, Wakefield, \$1.50 per 1,000. All strong plants. Mrs. Edward Hayden, Greenville, Ill.

Vegetable plants, cabbage and tomatoes, \$1.25 per 1,000. Sweet potatoes, \$1.50 per 1,000. Celery, 3 vars. S. J. McMichael, 142 Larkins St., Findlay, O.

Extra heavy asparagus roots, \$1 per 100; \$4 per 1,000. Mosbaek Greenhouse Co., Onarga, Ill.

**VERBENAS.**

Lemon Verbenas, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3 per 100; \$25 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Verbenas, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

40,000 Verbena plants in bud and bloom, \$20 per 1,000. Coleus plants at same price. J. L. Dillon, Bloomsburg, Pa.

Lemon verbenas, R. C., prepaid, 75c per 100. Chas. Frost, Kenilworth, N. J.

Verbenas, assorted, 2½-in., \$2 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Verbenas, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Verbenas. J. L. Dillon, Bloomsburg, Pa.

**VINCAS.**

Vinca minor, the hardy vinca for cemetery planting and under trees, where grass will not grow; well rooted layers, \$1.50 per 100; \$10 per 1,000. E. Y. Teas, Centerville, Ind.

Vinca variegated, 2½-in., \$2.50 per 100; 3-in., 6c; 4-in., 12c. Vinca minor, field-grown, \$5 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Vinca variegata, 3½ and 4-in. pots, 8-12 good leaders, \$10 per 100; small plants, July cuttings, \$5 per 100. Cash with order please. Paul Liebisch, Batavia, N. Y.

Vinca variegata, extra strong stock well set with leads, ready for shift, 2½-in., \$2.25 per 100; \$20 per 1,000; 3-in., \$5 per 100. Cash. Freepot Floral Co., Freeport, Ill.

Vinca minor, field-grown clumps, \$6 per 100; \$50 per 1,000. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Vinca var., 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Vinca, 2½, 3 and 4-in., \$3, \$5 and \$9 per 100. West End Greenhouses, Lincoln, Ill.

**VIOLETS.**

VIOLETS, Baronne A. de Rothschild is making good everywhere, as the most free and most fragrant single in cultivation. Size and stem equal to Princess, color a shade darker. Rooted runners or divisions, ready in April. Book your order now, at \$6 per 100; \$50 per 1,000. F. W. Fletcher Co., Auburndale, Mass.

Violets, Princess of Wales and Luxonne and California, rooted runners, clean and free from disease, \$1 per 100; \$8 per 1,000. Special price for large quantities. Cash with order. Jacques Gillmet, Moylan, Delaware Co., Pa.

Violets, Princess of Wales, clean divisions, ready now for delivery. Cash with order. \$5 per 100; \$40 per 1,000. Kenwood Greenhouses, Tenafly, N. J.

Violets. Wood Bros., Fishkill, N. Y.

**MISCELLANEOUS.**

Clara cemetery vases, 12 ins., \$2.50 per doz.; barrel of 3 doz., \$6. Vaughan's Seed Store, Chicago and New York.

Plant bed cloth, waterproof sheeting, hay caps, etc. Henry Derby, 123 F. Chambers St., N. Y.

Dennison florist tags. Dennison Mfg. Co., Boston, New York, Philadelphia, Chicago, St. Louis.

Pillsbury's Carnation Staple, 50c per 1,000 postpaid. I. L. Pillsbury, Galesburg, Ill.

**POTS, PANS, ETC.**

"NUFF SED." Best red pots are made by Geo. E. Feustel, Fairport, Iowa.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

Pots, florist red. Peters & Reed Pottery Co., Zanesville, O.

Pots, Syracuse red. Syracuse Pottery Co., Syracuse, N. Y.

**STAKES.**

Cane Stakes. Standard grade 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000.

Pipe stems about 6 feet per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

**WIRE DESIGNS.**

Headquarters for wire work. Send for list. F. W. Ball, 31 E. 3rd St., Cincinnati, O.

**WIRE HANGING BASKETS.**

Wire baskets. D. U. Augspurger & Sons Co., Box 778, Peoria, Ill.

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UNRIVALLED  
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Vines  
Tomatoes.  
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all Flowering.  
Foliage and  
Fruit bearing  
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The result of  
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PERFECT  
PLANT FOODS

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## Pulverized Sheep Manure



The Ideal  
Plant Food  
for Florists.

Write to  
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NATURAL GUANO COMPANY,

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## Cattle Manure in Bags Shredded or Pulverized



Pure—dry—uniform and reliable.  
The best of all manures for the  
greenhouse. Florists all over the  
country are using it instead of  
rough manure.

## Pulverized Sheep Manure

Absolutely the best Sheep Manure on  
the market. Pure manure and noth-  
ing else. The best fertilizer for carnations and for  
liquid top-dressing. Unequalled for all field use.  
Write for prices.

The Pulverized Manure Company  
32 Union Stock Yards, Chicago.

Now is the time to make up

## WIRE BASKETS

For spring selling.  
We Have the Best Basket in the Market.

Try them this season.

10-in.....\$1.50 per doz.; \$12.50 per 100  
12-in..... 2.00 per doz.; 15.00 per 100  
14-in..... 3.00 per doz.; 20.00 per 100

D. U. Augspurger & Sons Co.  
Box 778, PEORIA, ILL.

RAT'S NEST OF CARNATIONS.—Luther  
Acheson, Pittsfield, Mass., who missed  
so many flowers at Easter that he  
complained to the police, found 225  
of his carnations April 22 in his cellar  
made into a rat's nest.

# Ammoniated Lawn Lime

Kills Weeds.

Makes Grass Grow.

Applied as a light top dressing to lawns it kills all flat leaved weeds such  
as Dandelion, Daisy, Plantain, Sorrel, Chickweed, Moss, etc., in 48 hours  
and without other fertilizer produces a wonderful, luxuriant, rich, green growth  
of lawn grass—which is distinctly noticeable 50 feet away.

The use of Ammoniated Lawn Lime supersedes hand weeding of lawns,  
putting greens, etc. It saves the grass from being pulled up and in many  
cases ruined. Grasses take a new vigorous growth, avoiding probable  
trouble in the future.

Quantities: If very weedy 1-lb. to 40 square feet, 25-lbs to 1000  
square feet, (20x50). Half to one-quarter amount  
if moderately weedy.

ABSOLUTELY GUARANTEED. Money refunded if not satisfactory.

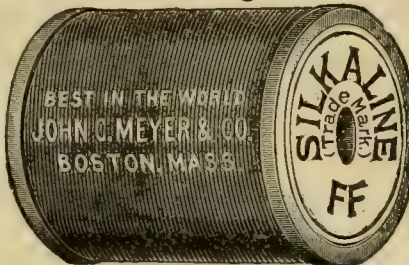
We want Seedsmen or Florists as agents and distributors in  
every important city and town.

Retail Prices: 2-lb. cans, 25c, 50 cans per case. 5-lb. cans 50c,  
20 cans per case. Bags, 25-lbs. \$2.00; 50-lbs.  
\$3.50; 100-lbs. \$6.00.

Descriptive Circular and Wholesale Prices on Request.

**SUPERIOR CHEMICAL CO.,**  
(Incorporated.)  
**Louisville, Kentucky.**

## The "Meyer Green Silkline"



is the only Green Thread that  
should be used by florists and  
growers. It is guaranteed full  
weight and full measure.

Also Violet Thread for tying up Vio-  
lets. Price of both, \$1.25 per lb.  
express or freight paid in good  
sized orders.

JOHN C. MEYER & CO., 1449 Middlesex St., Lowell, Mass.

## Evergreen Brand Flower Fertilizer.

A Pure Plant Food immediately available. It permanently enriches the  
soil. It prevents the onslaught of plant diseases or insect pests. Can be  
used at any time during the growing season, dry or in solution. Put up in  
12 pound cans, Price, \$2.00 each.

For Sale by Leading Jobbers

Further information can be obtained from

**D. D. JOHNSON CO.,** Manufacturers,  
64-66 Wabash Ave., CHICAGO.

## The Mastin Automatic Whitewash and Spraying Machine Is Reliable, Practical and Durable



The tank is made of galvanized sheet steel, and in brass.  
The pump is of brass throughout, simple and powerful.  
The mixing device keeps the contents of the tank well stirred up from  
start to finish.

When the machine is filled to within six inches of the top, a few strokes  
of the pump will compress enough air in the tank to produce a continuous  
mist-like spray for 15 minutes.

All parts are made to gauge and may be had for repairs.

Ask your dealer about our Extension Hose, Extension Rods,  
and the Mastin Whitewash Nozzle for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

**J. G. MASTIN & CO.,** 3124 West Lake St., CHICAGO, ILL.



## Baltimore.

After frosts for several mornings, which were not heavy enough in most localities to do great damage, we have had all through this section another heavy rainstorm which has soaked the earth, filled the streams, and, in many cases, washed out the roads. Fortunately it came down without much wind, and the soil absorbed a large proportion of it. So heavy a precipitation as that of the past 10 days has not been encountered here for several years. Business is very quiet. Just how to account for the dullness no one seems to know. With seasonable weather, a good many social observances always in evidence, some weddings and the inevitable funerals, it would be supposed the demand for flowers would be up to normal proportions, but this does not seem to be true. The plant trade is likewise light, by comparison. The stores and market men alike complain. The weather is credited with some of the default. First it was too warm and dry, later it was too cold and wet. The ground now after the torrential rainfall is as full of water as a submerged sponge, and some days must elapse, in most soils, before planting operations can proceed.

## NOTES.

A regrettable incident last week was the charge made public by Mr. Hoffman, a member of the city council, of mismanagement, negligence and irregularities in the conduct of the work on the parks against the park board, incidentally, and against Wm. S. Manning, its general superintendent, primarily. Called upon to give his authority for the arraignment, Mr. Hoffman named Charles L. Seybold, superintendent of Carroll park and a long-time employe of the department. Mr. Manning, in a public statement, defends himself from the charges, going into them item by item, with apparently convincing frankness. The matter has been adjourned until May 3, when an investigation will be held by the park board.

The building up of suburban sections is almost compelling the florists to add to their business of producing plants and flowers, the growing and selling of trees and shrubbery. James Hamilton, of Mount Washington, who has a large greenhouse plant situated in the very midst of the development of numerous suburban towns has gone quite extensively into the nursery branch. He has made a number of importations of stock from abroad and has lined out for growing on a large quantity of desirable stock such as new places demand and finds already that the demand is heavy. Besides growing cut flowers, which he sells through the Florists' Exchange, Mr. Hamilton does a large business in bedding stock, his chief difficulty this year being, as he says, to prevent people buying it so early. The new comers with the first few days of spring like weather feel the gardening fever in the blood and want forthwith to make beds and fill vases. To fight off this inclination, sure to be followed by losses and disappointment, seems a little hard on the florist anxious to empty his benches, but it is profitable in the end. Mr. Hamilton is a great advocate of the sterilization of soil. He has an arrangement in the way of a sterilizing pit for doing this work expeditiously and economically and is thoroughly elated with its success. Nematodes and stem rot in roses and carnations are things of the past, there is no need for the labor of weeding, all the weed-seeds being destroyed, and the advantages of the operation are seen at every step. Mr.

Use our patent  
Iron Bench  
Fittings and  
Roof Supports.

THE JENNINGS<sup>IMPROVED</sup>  
IRON GUTTER.



IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

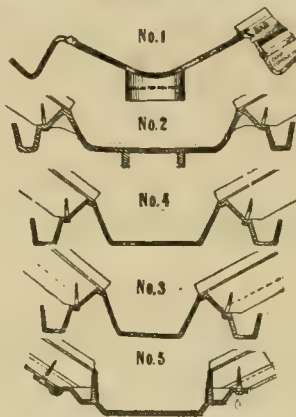
DILLER, CASKEY & KEEN,

S. W. Corner Sixth and Berk Streets

PHILADELPHIA.

VENTILATING  
APPARATUS.

## A Gutter With a Reputation



Ask the man who has tried them. For further particulars, write to

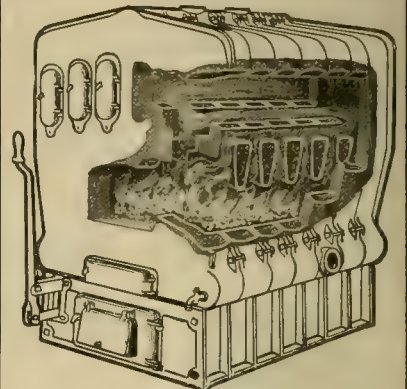
**GEO. M. GARLAND CO.,**  
DES PLAINES, ILL.

Hamilton is a practical minded man, with a genius for mechanical operations, energetic and interested deeply in floriculture, so that his successes seem to come naturally.

The movement for the improvement of back yards to city homes and the substitution of garden decorations for the neglected areas which so prevail generally on city lots is gaining headway. This and the more liberal use of porch and window boxes to improve the appearance of city house fronts is being urged by our Municipal Art society, which has raised a committee to encourage this work. The newspapers have been sympathizers and are aiding the movement, giving reproductions of photographs of well-kept and ornamented yards, and some practical men write to the press with timely suggestions as to the planting, treatment and care of the boxes and hanging gardens. All of this ought to help business, and almost everyone in the trade can contribute something to promote success and stimulate the taste developing in this direction by suggestions, and often by presenting good examples of what is obtainable, not bringing too much into the foreground the commercial aspects.

John Cook and Mrs. Cook returned from their winter's sojourn in Florida some days ago. Both enjoyed the experience and both profited by the trip in renovated health, improved appearance and increased weight. They found much that was interesting in horticultural and botanical lines and viewed almost with amazement the development of commercial fruit and truck growing in Florida and Cuba. In the latter island they remained about two weeks and enjoyed the climate, the unaccustomed methods of cultivation of the soil, the differences in social observances from home, the sub-tropical flora, and all the rest

## The Burnham



It has a fire travel three times the boiler's length, with the heated gases continually coming in contact with the waterways.

Send for Catalog.

**LORD AND BURNHAM CO.**  
IRVINGTON, N. Y.

New York.  
Philadelphia.

Boston.  
Chicago.

Write to us about

## Materials and Plans

for any size and style of

## GREENHOUSE

for new structure or repairs.

**Hot Bed Sash** In stock or any size required.

**Pecky Cypress**

for benches, lasting and least expensive.

**The Foley Mfg. Co.,**  
Western Ave and 26th St. CHICAGO.

## Greenhouse Construction

By Prof. L. R. Taft.

Price \$1.50

AMERICAN FLORIST CO.

324 Dearborn St.,

Chicago.

that gives zest to travel and recreation to those whose eyes are open and minds alert.

Andrew Anderson, of Govans, has continued success with Richmond rose which gave him large crops of fine flowers all through the winter. Asked if he would do any building this season he said no, that the thing seemed already overdone in this vicinity and that any money he had to invest would go into real estate. S. B.

CHARLESTON, S. C.—The annual floral fair of the Daughters of the Confederacy which was held here April 14 and 15, was well patronized.





## We Cast Our Own Cast Pipe

Then we know what kind of pipes they are, and that they are as good as can be made. We do not know of another greenhouse concern who does it.

It is always safe to buy of the firm you know, knows the exact quality of their goods. You get what you pay for then. Write for prices on pipe and fittings.

**Hitchings and Co.**

Elizabeth, N. J.

## WILKS' Hot Water Boilers

ARE THE MOST ECONOMICAL  
Boiler for Greenhouses

No Night Fireman Required  
with our

**SELF-FEEDING HOT WATER BOILERS.**

Send for Catalog and Prices.

**S. WILKS MFG. CO.,**  
3503 Shields Ave. CHICAGO.

## Steel Return Tubular Boilers

The Most Economical Type of Boiler for Greenhouse Heating. Highly recommended by well-known florists.

**JOHNSTON HEATING CO.,** 138 E. 31st St., NEW YORK.

Grand Rapids, Mich.

FROST INJURY NOT SERIOUS.

The weather the past two weeks has been cold and wet. Previous to this the weather had been unseasonably warm, which brought out the buds and blossoms. As far as can be ascertained, this section has not suffered to a very great extent from the freeze of the past week. The blossoms of shrubbery, especially *Spirea Van Houttei*, have suffered some, and in low places cherries and strawberries have been frozen a little. It has been raining or snowing for the past three days and of course this was a great benefit to the fruit and flowers. Henry Smith, who has about 200 acres of fruit, says that he has had scarcely any fruit killed. There has been quite a large number of carnations planted out in the fields, and the top leaves have been touched, but so far the damage is light.

L. Bruins Slots, who had been in the hospital for four months, and had his foot taken off at one time and his ankle at another, for blood poisoning, was taken home recently, but last week his condition became serious and he was taken to the hospital again, when his leg was amputated at the thigh. At the present time he is resting very easy.

N. B.

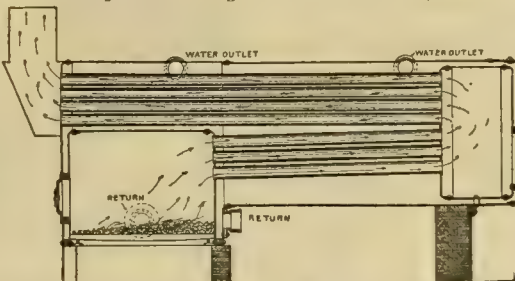
## The Superior Standard

RETURN FLUE FIRE BOX BOILER

contains more heating surface, and less water space than any other steel boiler.

$\frac{2}{3}$  of the heating surface is in the tubes.

Ask the man that knows the one using different style boilers — names are yours or the asking.



After using our boiler one season, you will say like all others: Nothing but "Superior" for me.

This boiler has given better satisfaction than any other boiler on the market

MADE IN NINE (9) SIZES FOR HOT WATER.

Send for catalogue and list of growers that are using this boiler.

**THE SUPERIOR MACHINE & BOILER WORKS, 840-850 Superior St., Chicago.**

## THE KROESCHELL BOILER

is the only perfect

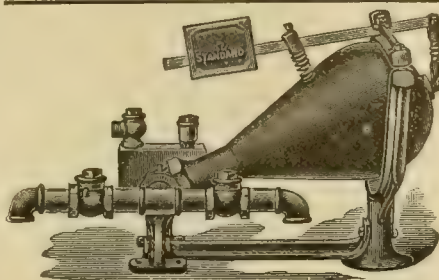
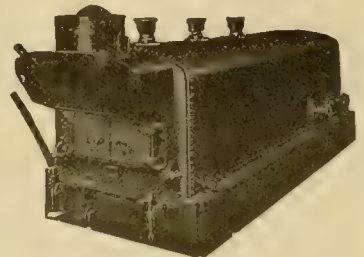
**HOT WATER BOILER.**

We manufacture every type of boiler in use, but our greenhouse boiler, because of its special construction, possesses many advantages over any other type.

Prices and catalogue on application.

**KROESCHELL BROS. CO.**

452 W. Erie St. CHICAGO



## The Standard Steam Trap

Has established a record far above that of any other trap for florists; being very simple, durable and easily taken care of.

Catalogues of the Trap, Duplex Gutter, and Standard Ventilating Machinery, mailed free upon application.

**E. HIPPARD, Youngstown, O.**





## This Kills Mildew Every Time.

For particulars  
write  
**BENJAMIN  
DORRANCE,**  
Rose Growers,  
Dorranceton,  
Penna.

## The Regan Printing House

LARGE RUNS OF  
**CATALOGUES**

OUR SPECIALTY  
WRITE FOR FIGURES.  
91 Plymouth Place, CHICAGO

## Gorham & Chapline Printery Inc.

CATALOGUES  
PRICE LISTS.

HALFTONES, ENGRAVINGS and  
PRINTING FOR **FLORISTS.**  
358 Dearborn Street, CHICAGO.

Wichita, Kans.

### BUSINESS CONTINUES FAIR.

All busy but nothing exciting, will about describe the situation for this vicinity since Easter. Weather conditions for April have not been altogether satisfactory. The unusually warm March advanced outdoor stocks very much and it has been followed by April weather that kept us all guessing. Several sharp frosts have considerably damaged the fruit prospects. High winds have been frequent, 54 miles per hour being the worst, but this was sufficient to take a number of lights out of the greenhouse roofs. Such conditions in a country noted for much nice weather have a rather bad effect on trade, particularly transient trade in the greenhouse lines. Store trade suffered less, as the call for cut flowers for funerals is not so dependent upon weather conditions. This and a fair degree of social activity, have softened the situation's blue setting.

The carnation crops that were producing heavily at Easter and immediately following have fallen back to low water mark, leaving no surplus to worry over at present. A special sale at 40 cents per dozen for Saturday only, disposed of a threatened surplus with W. H. Culp & Co., and, as it found the other growers also with plenty of stock, they met the advertised quotations and all gained in the increased buying for that day.

The establishment of C. L. Shanks, Newton, which was closed by bankruptcy proceedings last fall, has been taken over by Miss C. A. Hurst and Mae R. Jones, under the name of the Rosebud Greenhouses, C. A. Hurst manager. These ladies are fully familiar with the conditions at Newton and have good prospects for a successful business.

G. M. Reyburn, representing Vaughan's Seed Store, Chicago, visited the trade here last week. He is

## Carman's Antipest

INSECTICIDE AND FUNGICIDE  
For the Garden, Orchard and Greenhouse  
Non-poisonous and harmless  
to vegetation.

Kills Green Fly, Aphides, Bark Lice,  
Thrips Mealy Bug, Red Spider,  
Scale, Wire Worms, Ants  
and Slugs.

This is the grower's Friend Handy to  
use, cheap and effective, mix e readily in  
water. Destroys all insect pests and  
keeps down filth. Circulars on applica-  
tion. \$1.50 per gallon. Also in  
quarts, half gallons and in bulk.

**PERFECTION CHEMICAL CO.,**  
FLUSHING, N. Y.

Mention the American Florist when writing



## THE BEST Bug Killer and Bloom Saver

For PROOF  
Write to

**P. R. PALETHORPE  
COMPANY,**  
Owensboro, Ky

Mention the American Florist when writing

*green Flies and  
Black ones too*

are easy to kill with  
**The Fumigating Kind Tobacco Powder**  
\$3.00 per bag 100 lbs.  
Satisfaction guaranteed or money back;  
why try cheap substitutes that makers do  
not dare to guarantee?  
**THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.**

## Wired Toothpicks

10,000, \$1.75; 50,000, \$7.50. Manufactured by

**W J. COWEE,** Berlin, N. Y.

Sample free. For sale by dealers.

working his way home, returning from the Pacific coast, and reports good business, and a generally prosperous condition of the trade all through the west.

Elwood and Norval Kline, who opened a store in Newton in December, have sold same with equipment to Wm. Hasselmann of that town. The Messrs. Kline are now with John Stamm at Hutchinson.

Harvey McCoy, with Culp & Co., has joined the ranks of the benedicts.

Otto Kuechenmeister navigates a motor cycle.

W. I. CHITA.

HUDSON, N. Y.—M. E. Teator, of Nevis, is building another violet house.

# APHINE

Is proving

A Most Effective

while at the same time

**Absolutely Harmless  
Insecticide**

For use on young stock.

It Destroys the Insects and  
Invigorates the Plants

Have you tried it?

**Aphine Manufacturing Co.**  
MADISON, N. J.

Mention the American Florist when writing

## Iron Reservoir Vases

AND

**Lawn Settees**

Manufactured by

**McDONALD  
BROS.,**

COLUMBUS, O.

The largest manu-  
facturers of these  
goods in America  
Send for catalogue



## Florist's Friend

A Nicotine Insecticide.  
Sure Death to Insects.

For spraying and Fumigating.

Sold on a guarantee to give  
satisfaction.

Write us for prices and particulars

**FLORIST FRIEND CO.,** Owensboro, Ky.

## Plant Bed Cloth

For Florists Gardeners, Truck Farmers,  
etc. Protects from frost. Best shade in  
summer. Sold by leading seedsmen.

Waterproof Sheeting, Hay Caps, Etc.

**HENRY DERBY,** 123 F. Chambers St., New York.

HOUGHTON, WASH.—C. L. Wilcox, Sr., is the manager of a new incorporation—Floral Park, formed to carry on a general horticultural business. The firm will operate seven acres, and contemplates the erection of 40,000 feet of glass. Part of this is already under construction.



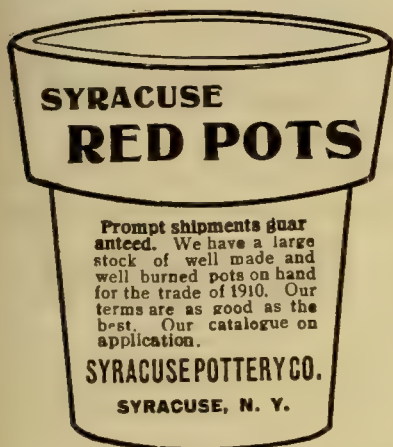
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## HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOG AND DISCOUNTS.

**A. H. HEWS & CO.**Established 1765.  
CAMBRIDGE, MASS.Pearson Street,  
LONG ISLAND CITY, N.Y.452-460 No. Branch St.,  
CHICAGO ILL.

## Those Red Pots

"STANDARDS"

Full size and wide bottoms.

BULB PANS and AZALEA POTS

DETROIT FLOWER POT M'Y

HARRY BALSLEY, Detroit, Mich.  
Rep. 490 Howard St.

## MISSION PLANT BOXES.



Are the best and cheapest plant boxes in the market for large plants, boxwoods, bay trees, etc. They are attractive in design, strong and durable. Suitable for either outdoor or indoor use. Write for prices.

**WAGNER  
PARK CONSERVATORIES,**  
Sidney, Ohio.

## Kramer's Pot Hangers

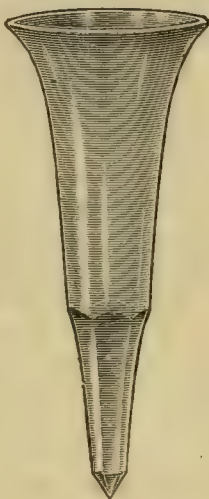
For sale by Wholesale Seedsmen, Florists  
and Supply Dealers.Price, \$1.00 per dozen by express. Sample  
dozen by mail, \$1.25.**I. N. KRAMER & SON, Cedar Rapids, Iowa**

USE KRICK'S  
PERFECT POT HANDLES  
AND HANGERS.

Just the thing for Easter.

When crowded for space,  
will sustain the weight of 100  
lbs. Samples and prices on  
request.

**CHAS. A. KRICK,** 1164-66  
Greene Ave., Brooklyn, N. Y.  
Long Distance Telephone, 178 Bushwick.



## Clara Cemetery Vase

MADE OF SOLID MOULDED GLASS

12 inches high, with wide flaring mouth.

Can be supplied in green or white.

Doz., \$2.50; barrel of 3 doz., \$6.00,

f. o. b. Chicago.

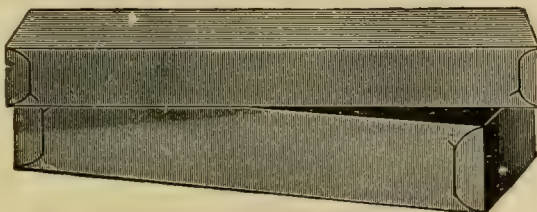
## Vaughan's Seed Store,

CHICAGO:

84-86 Randolph St.

NEW YORK:

25 Barclay St.



## CUT FLOWER AND

## Design Boxes

All sizes, lowest prices. Write

**C. C. Pollworth Co.,**  
MILWAUKEE



## Sterling Iron Reservoir Vases

Chairs, Settees, Hitching Posts, Etc.

Complete Catalogue and Discounts Upon Request.

**The Sterling Emery Wheel Mfg. Co.,** **TIFFIN,**  
OHIO, U. S. A.

## Standard Flower Pots!

Packed in small crates, easy to handle

| Price per crate              | Price per crate             |
|------------------------------|-----------------------------|
| 1500 2-in., in crate, \$4.88 | 144 6-in., in crate, \$3.16 |
| 1500 2½ " " 5.25             | 120 7 " " 4.20              |
| 1500 2½ " " 6.00             | 60 8 " " 3.00               |
| 1000 3 " " 5.00              | 48 9-in., in crate, \$3.60  |
| 800 3½ " " 5.80              | 48 10 " " 4.80              |
| 500 4 " " 4.50               | 24 11 " " 3.60              |
| 456 4½ " " 5.24              | 24 12 " " 4.80              |
| 300 5 " " 4.51               | 12 14 " " 4.80              |
| 210 5½ " " 3.78              | 6 16 " " 4.50               |

Seed pans, same price as pots. Send for price  
list of cylinders for Cut Flowers. Hanging  
Baskets, Lawn Vases, etc. Ten per cent off for  
cash with order. Address

**HILFINGER BROS. POTTERY: Fort Edward, N.Y.**

or **AUGUST ROLFF & SONS, New York Agents**  
31 Barclay Street, New York City.



## Standard Flower Pots

Porosity and Strength  
Unsurpassed.

Write for prices.

**A. F. KOHR**

2934-36-38 Leavitt St.,

CHICAGO

## All The Clay

FOR OUR

## Florists' Red Pots

Is prepared by passing through a screen  
1600 meshes to the square inch. If in a  
hurry for pots order from us. We ship  
over five lines of railroad by river or  
interurban. Write for catalogue showing  
all the articles we make for florists' use.

**THE PETERS & REED POTTERY CO.****ZANESVILLE, OHIO.**

Mention the American Florist when writing



**GEO. KELLER & SON,**  
Manufacturers of

## Red Pots

Before buying write for prices.  
2614-2622 Herndon St.,  
CHICAGO,





MASTICA is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass, as occurs with putty. Lasts longer than putty. Easy to apply.

Superior Quality.

Hand Made.

## Greenhouse Glass

Why not buy the best. Write us for discounts.

We can save money for you.

### BAUR WINDOW GLASS CO.

Eaton, Indiana.

**SIEBERT'S ZINC**  
Never Rust  
GLAZING POINTS  
Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes  $\frac{3}{4}$  and  $\frac{1}{2}$ . 40c per lb. by mail 16c extra; 7 lbs. for \$2.50 15 lbs. for \$5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Successors to  
Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

Albany, N. Y.

The second annual flower show of the Florists' Club is a possibility. At a special meeting of the club, held at the establishment of W. C. King on the evening of April 21, Fred A. Danker, chairman of the flower show committee last year, made a report showing that the committee had on hand \$140.53 in cash and that \$198 was due from advertisements in the programme and for tickets not yet returned. All bills have been paid with the exception of a few premiums. The members decided to go ahead with the preparations for the second show to be held this fall. John Sambrook, Watervliet, was named chairman of a committee of five to visit local florist and others interested in the trade and have them contribute exhibits. The subject will be more fully discussed at the May meeting. In connection with the meeting the members held a small floral display, mostly of carnations. Fred A. Danker had on exhibition a new seedling raised in his establishment. It is a pink of good size, firm texture, and long stem. Mr. Danker said it is a cross between Victory and Lawson. President Frederick Goldring showed some red seedlings that attracted favorable comment. Henkes Bros., Newtonville, had on exhibition two deeply colored maroon seedlings. One was larger than the other but of about the same texture. The color is not a favorite one here but in the vicinity of Boston is popular on account of its being the tint displayed by Harvard students. W. W. Hannell had a good display of a large white carnation, already on the market, and vases of Bride and Bridesmaid roses. A vase of pink lupin, shown by Mr. Danker, attracted some attention. In the discussion on seedlings that followed the examina-

# Attention!! Glass Buyers!!

## GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.  
Quality A. No. 1. Prompt shipments.

### Hooker's Greenhouse White Paint

The most durable white paint for this purpose.

Half barrels, (25 gallons), per gal. \$1.35. 5 gal. pails, per gal. \$1.40

## H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone  
Monroe 4994.

651-659 Washington Boulevard, CHICAGO.

# "GREENHOUSE MATERIAL"

- |                            |                             |                             |
|----------------------------|-----------------------------|-----------------------------|
| 5 - 72x20 Tubular Boilers. | 2 - 54x14 Tubular Boilers.  | 2 - 42x10 Fire Box Boilers. |
| 2 - 72x18 Tubular Boilers. | 3 - 42x12 Tubular Boilers.  | 1 - 36x12 Fire Box Boiler.  |
| 6 - 60x16 Tubular Boilers. | 2 - 36x10 Tubular Boilers.  | 1 - 36x10 Fire Box Boiler.  |
| 1 - 60x14 Tubular Boiler.  | 2 - 48x14 Fire Box Boilers. | 2 - 30x 8 Fire Box Boilers. |
| 2 - 54x16 Tubular Boilers. | 3 - 48x12 Fire Box Boilers. |                             |

All of the above in good condition, for heating service only. Special prices.

300,000 feet of Standard Pipe, all sizes, will be cut to any length.

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tion of the different specimens President Goldring said that seedlings of carnations are often capricious; a variety may do well with the originator and when sent away to a different section of the country with different soil conditions may not be at all good. The meeting came to a close with a luncheon provided by the social committee and some clever parodies on modern songs by J. J. McCarthy, a local artist, who has a wide circle of acquaintances among the members.

R. D.

Nashville.

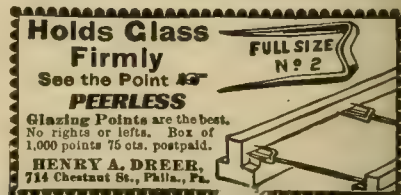
The plant trade will now have its inning and every one is beginning to make up beds and beautify lawns. Geny Bros., and the Joy Floral Co. do not grow a great many bedding plants, only a few to accommodate their trade. McIntyre Bros. grow and sell vast quantities. They have a fine varied stock of from 50,000 to 100,000 plants of every description and these they are now selling, with a fine demand. Dan McIntyre is in the market daily with a fine supply. He reports a brisk sale

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Rose and Mum Stakes.

for every day in the week. Haury & Son are also in the market with plants and so is Arnold Schmidt, but the latter says he is turning his attention more to vegetables. He grows fine cucumbers under glass and has lettuce the year around, for which there is always a demand.

M. C. D.



# THE AMERICAN FLORIST



A WEEKLY JOURNAL FOR THE TRADE

*America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."*

Vol. XXXIV.

CHICAGO AND NEW YORK, MAY 7, 1910.

No. 1144

## THE AMERICAN FLORIST

TWENTY-FIFTH YEAR.

Copyright, 1910, by American Florist Company.  
Entered as Second-Class Matter Nov. 11, 1891,  
at the Post Office at Chicago, Illinois,  
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

**AMERICAN FLORIST COMPANY,**

324 Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

**Eastern Office:** 1133 Broadway, New York.

**Philadelphia, Pa.:** Robt. Kift, 1725 Chestnut St.

**Registered Cable Address:** Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a year; Canada, \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from the trade. Volumes half yearly from August, 1901.

Address all correspondence, subscriptions, etc.,  
American Florist Co., 324 Dearborn St., Chicago.

### SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

**OFFICERS**—F. R. PIERSON, Tarrytown, N. Y., Pres.; FRED W. VICK, Rochester, N. Y., Vice-Pres.; H. B. DORNER, Urbana, Ill., Sec'y; WM. F. KASTING, Buffalo, N. Y., Treas. Next meeting at Rochester, N. Y., August 6-19, 1910. Second National Flower Show, Boston, Mass., March, 1911.

### CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition in conjunction with the Morris County Gardeners' and Florists' Society, Morristown, N. J., November 2, 3 and 4 1910. **ELMER D. SMITH**, Adrian, Mich., President. **C. W. JOHNSON**, Morgan Park, Ill., Secretary.

### THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at Boston, Mass., March 1911. **FRED. BURKE**, Pittsburg, Pa., President; **A. F. J. BAUR**, Thirty-eighth St. and Senate Ave., Indianapolis, Ind., Secretary.

### AMERICAN PEONY SOCIETY.

Seventh annual meeting at Horticultural Hall., Boston Mass., June 1910. **B. H. FARR**, Reading, Pa., Pres.; **A. H. FEWKES**, Newton Highlands, Mass., Sec'y.

## HALF HOUR CHAPTERS FOR FLOWER GROWERS

### Lilium Lancifolium.

The practice of growing Easter lilies throughout the whole year has to some extent put the beautiful forms of *Lilium lancifolium* or *speciosum* in the background, but there is always a demand during summer for such fine forms as *Rubrum*, *Melpomene*, *Album* and others in good funeral work. The plants should now be a foot or more high and the foliage almost fully developed. These lilies do not relish forcing and cannot be pushed along like the *longiflorum* forms. That is, the flowers will not be as good, either in substance, size or color if heat is used as they will be if the plants are allowed to come along slowly in a cool house slightly shaded to prevent the foliage burning. The leaves are subject to attack by green fly and gentle fumigations on several successive evenings should be allowed. The roots are not particularly gross feeders, but a little manure water given from now on will assist the growth and flowers. When the bulbs are grown on benches a top-dressing of rich soil answers the same purpose.

### Lily of the Valley.

Although we do not advise the clearing out of the sand in lily of the valley frames frequently, the present is as good a time as any to renew it should it be necessary. Sometimes there are low forms of fungus growth in the cases and wherever these appear the sand should be either cleared out or thoroughly sterilized by saturating the whole thing with boiling water. If the sand is taken out entirely the sides and bottom of the frames should have a thin coat of hot lime wash. The shutters should be thoroughly cleaned, but not limed, as the dry lime shales off and falls onto the flowers when they are covered or uncovered. The best sand for the purpose is a very fine grained one, the sharp sands that are so suitable for propagating not laying so close together and consequently not being so suitable. We are not saying the pips will not thrive in such sands, but the

closer it lays the better. There is no need of washing the sand but a close lookout should be kept while handling it not to allow anything of a woody nature to go in. Sticks, leaves or anything of this class is apt to lead to fungus, and the same thing is true of soap, so if this is used when washing the frames see that plenty of water is used to swill off all traces of it. These small matters attended to may prevent a lot of trouble later. When it is necessary to keep up a succession of flowers the cases cannot all be attended to at once, but they may be taken one at a time after the flowers are past and before replanting.

### Crotons for Leaves.

Where there is a demand for good funeral designs the foliage of the better varieties of crotons comes in very useful. There are probably a number of old plants around that are not in good enough order for sale in pots. If these are turned out of the pots and planted up now on a bench in a hot, sunny house they will grow rapidly and produce large, showy leaves, just the kind that are needed for the purpose indicated. Plants that have been used as stock plants during the winter and have consequently been cut back more or less severely should be allowed to break into growth again before being planted out, and this can be hastened by placing them in a hot, moist house, keeping the roots a little on the dry side and syringing the heads regularly two or three times daily. When the young shoots are getting well away and before the roots make much progress they can be planted out, first loosening up the old ball a little should it be very hard or tight. Crotons are apt to be attacked by scale, but if they can be induced to make a free vigorous growth it is surprising how little insects of any kind bother them. When growing for leaves the shape of the plants has not to be considered, so there is no need of pinching, pruning or anything else—just let them grow. Should insects prove troublesome there is nothing to beat a kerosene emulsion for destroy-

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See Page 745.**



ing them. The kerosene should be added to a hot solution of soap and water and kept constantly agitated while in use, and this not only kills the insects but puts a gloss on the foliage that is very pleasing. Soot water used a stimulant is also a great aid to coloring the foliage, especially that of the deeper colored varieties. Nitrate of soda, judiciously used, also has a good effect upon the foliage and hastens the growth. Should any flower buds appear nip them out at once, as they are useless and only hinder the free growth that is so desirable for this kind of cultivation. A pretty plant often used in conjunction with croton leaves is the old *Cissus discolor*. It will do well in baskets suspended in the croton house, making a free, well-colored growth.

#### Gladioli.

There is not much money in growing gladioli on a small scale for market, but a retailer who has a demand for the flowers can make them pay well. The flowers are not like roses or carnations that have to be cut the day they are ready, for they may be left several days after the first flowers open and cut as needed for funeral or other work. The bulbs may still be planted with perfect safety, but the sooner they are in and rooting now the better. Bulbs in store after this time begin to root and grow, and every bit of growth made before they are planted tends to weaken them. The gladiolus likes a fairly rich, light soil, moderately moist, but well drained. In small plantations they can go one foot apart between the rows and nine to ten inches in the rows. Some support will be necessary as the plants develop, a wire running the entire length of the rows, to which the plants may be loosely tied, being as good as anything.

#### Dahlias.

The pot and dry roots of dahlias started some time ago will now have good shoots for propagating from, and any plants that are to be ready for putting out in June must be rooted at once. The earlier rooted stock will probably be ready to pot on and should go to a cool house or frame with a south aspect, in which a little heat can be turned on if frost occurs at night. With all its ease of culture the dahlia is an extremely tender plant and the least frost checks the growth, even if it does not kill the plant back entirely. The pots should be plunged into fiber or some such material to conserve the moisture about the roots and prevent too frequent watering being necessary. They will probably root through a little, but this will not matter for home planting, and it may be prevented to a great extent by placing boards or bricks underneath them before placing the plunging material. It is still a little too early to plant even the old dry clumps outdoors. During a warm spell in May the shoots spring up very rapidly and frosts are very liable to occur around the end of the month, so the plants are safer under cover. They may be taken out of store and placed in a frame, where they can be moistened over several times daily and will plump up and start into growth. In the meantime the quar-

ters should be prepared with especial care and plenty of good, well decayed manure thoroughly incorporated with the lower layers.

## THE RETAIL TRADE

### Mother's Day.

The movement to make the observance of Mother's day national and even worldwide, has grown beyond the wildest expectations of the founder, Miss Anna Jarvis of Philadelphia. Individuals of note, Sunday schools, churches, organized bodies of all kinds, mayors of cities and governors of many states have gladly



Miss Anna Jarvis.

Founder of Mother's Day.

(Photo Copyrighted by Anna Jarvis.)

taken hold of the idea and helped the observance of the day, with example, with good words and, in the case of men holding official positions, with proclamations calling the attention of the people to the beautiful custom of wearing a flower in honor of and setting aside the day to the adoration and remembrance of "the best mother who ever lived—your own."

The accompanying photograph is of Miss Jarvis, the originator of Mother's day. The first anniversary of her mother's death was observed by Miss Jarvis in wearing white carnations, her mother's favorite flower. The happy thought then occurred to her that all mothers, whether living or dead, should be so honored each year, that the second Sunday in May, the date of the first observance, should be set apart or so recognized as the time for this tribute to the living or in memory of the departed mother. In furtherance of this plan she began writing letters to churches, societies, people in official positions, and all whom she thought would interest themselves in the movement. It was no light work; it took time and considerable money, but

Miss Jarvis is a worker and it was her great love for her mother that prompted her to go ahead and work to found this Mother's day federation, which is the organization name of Mother's day, in her honor.

This is the fourth celebration of the day, which has now grown to such an extent that its observance will be almost universal throughout the United States and Canada. Flowers will be worn by so many that everyone will want a flower of some kind with which to honor the best mother or her memory.

The success of this movement has encouraged a following that is trying to direct the beautiful custom into other channels, such as collecting money for poor mothers or for endowing beds in hospitals, selling badges to be worn on Mother's day and in other ways obtaining money, bringing in a commercial feature that Miss Jarvis greatly deplores and with which she is not at all in sympathy.

K.

### No Flowers by Request.

"Is it any wonder that people don't want flowers at funerals?" said a prominent retailer. "Who wants to pay \$25 extra for carriage hire for a lot of inartistic, ugly gates ajar, broken wheels, urns and other 'designs' that do not show good taste either in the donors or the florist who made them up? Few people object to flowers arranged in an artistic manner, pretty sprays, wreaths or loose bunches. But why should an ugly bag of immortelles or asters be sent to the funeral of a man who in life has been a 'knight of the road' or a steam engine, equally ugly, to an engineer's funeral?" We must say we are quite in accord with this, but then a retailer is in the business for the money that is in it and if these freaks are ordered by patrons there is a great and good reason why they should be supplied. All the same, we believe that the ultimate good of the craft will be served by keeping this kind of thing in the background as much as possible and educating the public to higher ideas as to the beauty and significance of flowers.

### Decorating Automobiles.

The growing popularity of automobile parades looks like opening up another good outlet for stock and, incidentally, a chance for the retailer to make money. There are many ways of decorating them but, as a rule, it is best to use one flower entirely with suitable foliage. For instance, peonies will shortly be in evidence and fine effects can be got by their use with their own foliage entirely. Later in summer, *Hydrangea paniculata grandiflora* is an elegant species for the purpose, the big billowy spikes of pure white flowers showing up remarkably well if suitable greens are used. Asters again work in well for the purpose and, in short, any flower that happens to be plentiful at the time. Chrysanthemums and autumn foliage make an elegant decoration in fall and, where money is not





DECORATED ELECTRIC AUTOMOBILE.







a consideration, American Beauty roses are splendid decorative flowers for the purpose.

As to the manner of decorating there is little to be said. The style of car, the amount of money to be spent upon it and the season of the year have all to be taken into consideration. Unfortunately for the retailer's profits, it takes a lot of flowers and a good deal of time to decorate a large car successfully, and a customer is apt to look at a \$100 bill twice when asked that much to decorate his car. But with stock selling at anything like present prices and practically no outdoor flowers to draw upon this is the lowest price at which a retailer can hope for a fair profit and carry out the work creditably. It may be done a little cheaper when there is a large amount of outdoor stock, but from \$100 up is a fair price to ask for work of this description. Florists are not in the business for their health, and there is far too much price cutting going on all around for the ultimate good of the business.

## THE CARNATION.

### Planting in the Field.

Planting the young stock in the field should receive attention now as quickly as the land can be got into condition. It is a poor policy to work the land while it is in a very wet state, but as soon as it is dry enough to work without leaving it rough the work of preparing it for the young carnation plants should be attended to. After May 1 the sooner the young plants are in the field the better, in most soils, but the nature of the ground should be the guide to a certain extent. If the ground lays high and dry and the soil is of a medium light texture which dries out quickly during hot weather the plants should be planted out right away to enable them to make good growth and get thoroughly well established before drought has to be contended with. But if the land is heavy and naturally remains wet and cold it should be allowed to get warmed up a little before planting. When the plants are hastened out on such lands they are very apt to turn yellow in the foliage and suffer a considerable check. After the ground is ploughed it should be well harrowed and dragged to thoroughly pulverize the lumps and make it as level as possible. No holes or low places should be left for the water to settle and cause stem rot. Any spots that are low enough to allow any chance of the plants being flooded at any time should be avoided.

The question of the distance to set the plants apart must be governed to a great extent by the amount of planting space at command, also by how early the plants are going to be housed. Where early planting is practiced and the plants are brought in again in July, or the first week of August, they do not require to be set as far apart as those that are to be left out in the field until September. However, ample allowance should be made for properly working the land and to guard against any crowding of the plants. We prefer to set the plants 15 inches each way, which gives a chance to cultivate both ways with

a hand cultivator without damaging the branches of the plants. The best method of our experience in marking out the land is to make a marker with six short pieces of 1x4 placed endways at the required distance apart on a plank of 2x6, with two handles sticking up from the center for a man to drag it with. This marker is dragged lengthwise of the planting ground and then crosswise, forming squares. The plants are then planted at the corners of each of the squares. By a little care in walking between the rows that are planted instead of those not finished the soil can be kept in an easy planting condition and considerable work finished up in a short time.

The work of planting carnations in the field is one of the particular parts of their culture and ought not to be done in a haphazard way. Care should be taken to see that roots of the young plants are properly covered and the hole is made large enough to take the ball of the plant without any squeezing and flattening of it out, but do not plant deep enough to cause the soil to extend up the stem of the plant more than is necessary. A little extra care should be given plants as regards watering a few days previous to planting. The soil at the roots ought to be in a well moistened condition, but it should not be saturated, or dry. By being a little careful this can be worked right. Plants growing in pots should be knocked out and set in flats in the greenhouse. They can be carried out as needed, but do not knock out more than the planters can properly take care of, so that there is no chance of them drying out. Those that are growing in beds or flats should be cut out, with the roots preserved as much as possible. These should be kept out of the wind until planted. After several of the rows are planted go over the ground with a hand cultivator to loosen up the surface of the soil.

C. W. JOHNSON.

### Climbing Annuals for the Flower Garden.

Among the host of annual plants which are available for growing outdoors there are some which possess a climbing habit, and for this reason may be regarded as of special value. There are few gardens where ugly corners, fences or buildings cannot be found, and which it is desirable to screen, says the Garden, if not permanently, at least during the summer months, and it is for work of this description that the climbing annuals come in exceedingly useful. Generally speaking, they grow rapidly, and need but little attention once the seeds have been sown and the young plants given a good start in life.

Of course, the gem of climbing annuals is the sweet pea; but the culture of this has been so fully dealt with in special articles that it is not necessary to refer to it at length here. For the purpose of forming a screen, however, strong-growing and free-flowering varieties should be chosen, and unless special soil culture is given, the plants should be left rather closer together than is generally recommended for this annual.

Morning glory (*Convolvulus major*) is a climbing annual that finds favor

with many. It should not be sown until the third week in April, as the young plants cannot withstand the slightest frost. Unfortunately, the large, bell-shaped flowers close during sunny days, but in the early morning their exquisite markings and delicate colors are fully revealed. This plant is an inducement to garden owners to rise early, and so enjoy the new-born fragrance of many of the occupants of the garden. It grows very fast, and will quickly reach a height of six feet. It likes deeply cultivated and moderately rich soil.

For forming a dense screen, the climbing nasturtium (*Tropæolum majus*) is a very useful annual. The plant itself likes rich soil, but this must not be given it if a good display of flowers is desired. If planted in well-manured ground this nasturtium will grow away at a great rate and produces an abundance of large, healthy-looking leaves, but the owner will look for flowers in vain. Poor soil is the secret of success with this and also the dwarf nasturtiums, and I know of no better annuals for sandy gardens. Another near relative of the nasturtium is the charming little Canary creeper (*Tropæolum Canariensis*). It is best to sow seeds of this in pots in a greenhouse or frame early in April, two seeds in a 3-inch pot filled with rather sandy soil answering very well. When the seedlings appear give them free ventilation, and plant out one foot apart early in May. The plants do not grow so rapidly as many annual climbers, and it is usually rather late in the season before they produce their golden yellow flowers. I once saw this climber used in the center of a large lawn bed, some neat pea-sticks being used for it to scramble over, and surrounding it was a broad band of lemon yellow African marigolds. The effect in late autumn, when the ordinary bedding plants presented a shabby appearance, was very good indeed.

The variegated Japanese hop (*Humulus Japonicus variegatus*) is a quick-growing annual climber that is valued for its handsome foliage. Seeds ought to be sown in pots in the greenhouse in February or early March, but if sown in April good specimens for planting out early in May can be secured. It likes a moderately rich soil, and prefers poles to climb upon.

A climbing plant which is not an annual, but which is best treated as such, is *Cobæa scandens*. This is an exceedingly useful climber for the greenhouse, but does not do well outdoors except in the very warmest localities. It has large, dull purple, bell-shaped flowers. Plants for outdoors should be raised in pots under glass, and planted out the middle of May. *Eccremocarpus scaber* is another climbing plant that can easily be raised from seeds, and which will produce its pretty orange scarlet flowers freely providing it is given a warm position. Seeds should be sown under glass in March, and the plants put out in their flowering positions about the third week in May. In addition to its handsome flowers, the foliage of this climber is much serrated and of a neat and pleasing character.



## ORCHID NOTES.

DON'T forget the date of the great orchid show at Boston, May 26-30.

THE pretty little *Oncidium concolor* is one of the clearest yellows in this genus, in which good yellows predominate.

*CATTLEYA MENDELII* is showing up in great form now among the commercial orchids. This beautiful species is well worth growing in large quantities.

*DENDROBIUM CAMBRIDGEANUM* requires no distinct resting season in winter, but should be allowed to take its own way. It often starts to grow at the base before the flowers are past.

### Packing and Exhibiting Orchids.

It is one thing to grow a fine specimen orchid and quite another to pack and ship the plant, possibly hundreds of miles, and have it arrive in first class condition at a show. It is considerable trouble to pack orchids properly and the condition of the plants at some of our leading shows, after a long railway journey, points conclusively to the fact that those who have this work in hand thoroughly understand their business. In other instances we have seen plants that have only come a few miles, with the flowers rubbed and bruised showing that insufficient care or forethought had been exercised. The one salient point to keep in mind is to so fix the flowers that they cannot possibly move and rub against other flowers or other parts of the plants. This is imperative no matter what else is done or left undone and we propose mentioning a few of the principal kinds and the methods we have employed in packing and shipping them long distances.

### RARE AND VALUABLE PLANTS.

In the packing of choice varieties and hybrids of great value the use of stakes in the compost must not be allowed. No matter how carefully these are placed it is practically impossible to push stakes down into the compost without disturbing it or the drainage or breaking the roots. We have overcome this difficulty by placing the pots containing the plants in larger pots and filling in the space between them firmly with rough sphagnum moss. Say we have a rare hybrid *cattleya* in a 3-inch pot: This pot is placed in a 6-inch one and the moss rammed firmly between them with a potting stick. Three or four stakes, according to the size of the plant, are then pushed down between the two pots, quite to the bottom of the large pot, left long enough to clear the head of the plant by six or eight inches and tied together at the top. Stout string is then tied over the surface of the compost and down under the bottom of the pot, bringing it back half way up and making a pass around the pot. The plant itself is now so securely fixed that, even if turned upside down, it cannot possibly move. Where the strings cross the surface of the compost we always put a little loose moss to prevent any possible injury to roots that may be on or near the surface. The plant itself has to be considered next. *Cattleyas*, *lælias* or *lælio-cattleyas* being upright growing are the easiest to fix.

Stout strands of raffia, twisted double, are laced between the stakes and at the point where they meet the principal bulb or stem is tied. The flower or flowers are then encased separately in soft oiled paper and loosely tied with raffia, the ends being anchored to the stakes. Thin wrapping paper is then tied around outside the stakes and the plant is ready to go into the case for shipment.

*Phalænopsis*, *cyripediums* and other plants that have foliage hanging over the sides of the pots are a little more difficult to handle as this foliage is often very brittle and easily damaged. The utmost care is necessary when ramming in the moss between the pots, and it is a good plan to have the outer pot sufficiently large so that the foliage can lay on the moss without hanging over the edges. Small individual stakes must be placed to each flower of the *cyripediums* and the stems tied to these. If they stand pretty well apart there will be no need to wrap the flowers in paper, but if they do not, treat them as advised for *cattleyas*. The flowers of *phalænopsis* are very easily damaged. To fix these a light stake should be placed in the center of the plant and tied at the top, where the outer stakes join. It need only be just entered in the compost as, the top being tied, it cannot move. Wrap some oiled or tissue paper around this center stake and tie the spike upright to it at intervals of about a couple of inches between the ties. It will not be necessary to wrap the flowers. In case the leaves are too large to be covered by the outside pot, they must be gently lifted and twined around outside the protecting stakes, raffia being laced around the latter after inclosing the leaves with tissue paper. These, too, must be closely papered up before going into the cases to exclude dust, which is always plentiful where new wood is used.

### DENDROBIUMS.

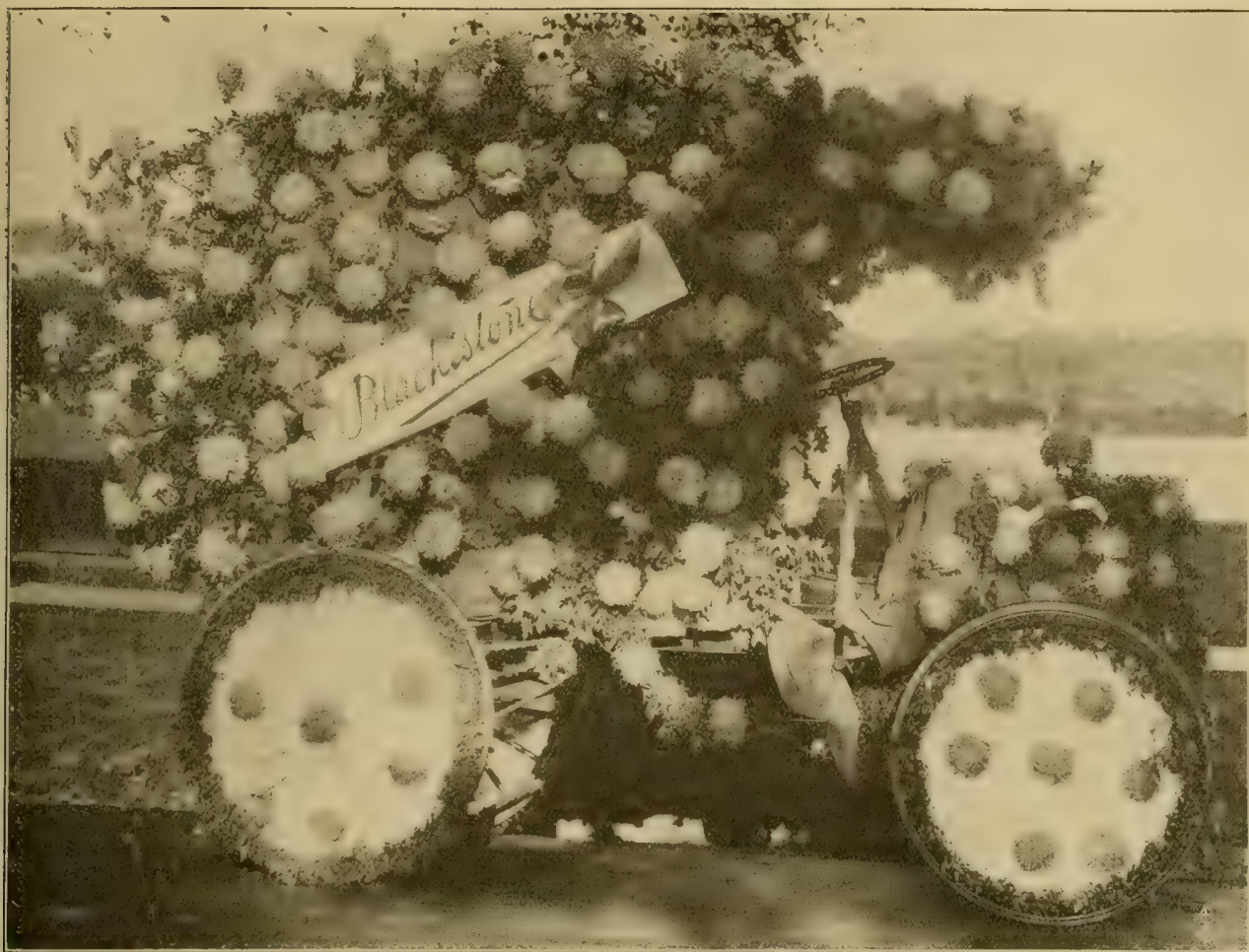
The evergreen *dendrobiums*, such as *D. thyrsiflorum*, *D. densiflorum*, *D. chrysotoxum* and allied species and varieties are among the finest exhibition plants in the whole orchid family, and when presented in good shape always command admiration. The large, loose racemes of flower are, however, easily damaged by shaking around in the cases and they must be so fixed that they cannot, under any ordinary circumstances, move about. For ordinary sized plants we use one stout stake in the center and loop the flowering stems to this, tying the flowerless bulbs away from them so the flowers cannot rub. A small wad of moss, covered with tissue or wax paper, is placed near each bunch of flowers and the latter tied loosely to it, either upright or drooping naturally, as is most convenient. Another tie is placed at the end of the bunch and secured to the stem that is carrying it. For large plants more stakes are needed, but the process of protecting and tying the flowers is the same. The deciduous *dendrobiums* are more easily managed. Here it is only necessary to place a papered stake to each flowering stem and tie the stem to it at intervals of a couple of inches or so. It will not be advisable or necessary to tie the flowers; just let them take their chances as they are for they are short in the foot stalk, and if the stems are well secured they will take no harm. Those of a pendent habit, like *D. Pierardi*, *D. primulinum* and others, must be brought into an upright position before being tied, to be again released when they arrive at the exhibition hall. These, too, must be well papered up before going into the shipping cases.

Much the same treatment as advised for the deciduous *dendrobes* is necessary for *odontoglossums* of the *crispum*, *Pescatorei* and *luteo-purpu-*



PRIZE WINNING DECORATED AUTO BY GUDE BROS., WASHINGTON, D. C.





Z. D. BLACKSTONE'S DELIVERY AUTO WAGON DECORATED FOR FLORAL PARADE AT WASHINGTON, D. C.

reum section, also for the oncidiums with upright spikes, such as *O. ampliatum*, *O. tigrinum* and others. *Phalænopsis* may also be treated the same way if the foliage is taken care of as advised above when treating of rare varieties. Always see that the stakes used are long enough to clear the tops of the spikes by at least six or eight inches or the latter are likely to be injured in transit. The pendent spikes of *Odontoglossum citrosum* also carry best if drawn up to upright stakes and tied in tightly so they cannot move about, but those of the scandent flowered oncidiums of the *O. macranthum* order should be treated differently. Here we place three or four stakes in the pot and twine the spikes around them, taking care that they are not crippled by being bent too sharply. The small side branchlets of flowers are loosely drawn in to the main stem and an outer row of stakes are placed to hold the paper used for wrapping away from the flowers.

Large heavy plants of vandas, ærides, saccolabiums or angræcums require careful packing as, owing to their size, they are likely to receive rougher handling than smaller plants. In the days when these magnificent orchids were more popular than they are today we had excellent results by making a kind of crate or cage for each one and, after securing it the whole thing was incased with stiff

wrapping paper, mats being also used to protect them in case of severe weather. The packing of the plants themselves is simple. Each principal growth is supported by a stout stake and the flower spikes are tied in to this, using wads of paper covered moss to protect the stems from injury. Those carrying large heavy racemes, like *Aerides Fieldingi* (foxbrush), *A. suavissimum*, *Saccolabium Blumei* and *Vanda Batemani* are the most difficult and the ties should be so arranged that the weight of the spikes is supported along their entire length. This can best be done by tying stout strings from stake to stake and looping the spikes to these, always being careful not to have the ties so tight that they cut the spikes, or so loose that the latter moves about in transit.

#### SHIPPING CASES.

The size and shape of the shipping cases is immaterial as long as they are large enough to clear the tops of the plants well and not so large as to be unduly heavy when filled. Slatted crates are better in mild weather than closely made boxes, but the latter have the advantage in cold weather. As far as possible plants in the same sized pots should be placed in the same case. No litter or straw should be put on the bottom, but as the plants are placed in position hay or some other soft packing should be placed between them. When all are in a stout cord should be laced over the

tops of the pots and through holes bored in the sides of the boxes. This will hold the plants firmly in position no matter how the box is turned about, and even if turned over they could not move. It seems a good deal of trouble but it is far better to take this trouble and be able to put a good collection of plants as fresh and neat looking as when they come out of the green-houses before the judges than to run the risk of having battered and bruised flowers and have a competitor take the coveted award simply because his plants, though possibly inferior, are presented in good condition. The interested exhibitor will travel with his plants when he can and, whenever possible, will see that the baggage smashers use them as gently as it is in their nature to do.

The careful and judicious grouping of orchids has a great deal to do with their success on the exhibition table. The aim of some exhibitors appears to be to crowd just as many plants as possible into the space allowed them. Naturally, when space is limited, a grower wishes to show as many as possible of his favorite plants, but this should not cause him to so crowd them in that their beauty and individuality are lost. Each plant should show and, as far as possible, each flower on that plant. Exhibitors in this country are sadly behind those in European countries in the art of grouping plants ef-



fectively. A round, hard outline, regularly sloping from front to back, with nothing to break up the flatness, seems to be about as far as most of their ideas carry them. There are exceptions, it is true, but it cannot be denied that groups of plants of any kind as seen, even at our best shows, are not by any means as artistic or effective as they could be made.

To show orchids off to the best advantage some other foliage plants are necessary. Orchid foliage, with few exceptions, is not highly ornamental, though there are, among the anæch-tochili, some of the most lovely foliage plants in existence. This being so ferns help to set off the beauty of the flowers and should always be used unless the schedule forbids it. We never recommend the association of other flowering plants with orchids for there is no other class than can vie with them. The bright red spathes of the anthuriums, especially A. Scherzerianum and A. Andreanum, are suitable, as the bright tints act as a foil to the neutral tints of the orchids while a few of the lilies and irises are also fairly satisfactory. But, as a general rule, orchids should be arranged by themselves except, as noted, for the addition of ferns. And a very beautiful group may be put up at this time of year when so many of the choicest kinds are in flower.

In arranging a group for competition there are two salient points to keep in mind. One is to create a good general effect, the other to show prominently any rare varieties that are depended upon to catch the eye of the judges. Cattleyas are beautiful orchids but there are almost always too many of them in a group and they have a most monotonous appearance. A large specimen or a group of small ones in prominent positions in a group is all right, but repeated all over they lose all effect and are quite wrong from an artistic point of view. *Lælia purpurata* is a far better plant for grouping; it is livelier in color than the cattleyas, stands up better and is in every way more satisfactory. In many collections the fine old *Vanda suavis* is flowering now and this, too, makes an elegant plant for prominent positions in a group. To be effective there should be depressions in a group of plants, little bays framed by drawing back from the more prominent specimens. Here can be shown bright little *masdevallias*, such plants as *Lælia Dayana* and choice hybrids while scattered through the group any of the small flowered erect *oncidiums* give a grace and brightness that are inseparable from good work.

Plants of *Phalænopsis amabilis*, *P. Schilleriana* and others of this class should be elevated and the spikes allowed to fall naturally and gracefully from a background of small palms or suitable ferns which may be used to hide the baskets in which the moth orchids are growing. A few specimens of the butterfly orchid, *Oncidium Kramerianum* or *O. Papilio*, may also, be used, not regularly all over the group but in certain positions. They are a sure drawing card with the public and a distinct aid to graceful grouping. The front of the group is where many otherwise good exhibits show a weakness. It is not necessary to finish to a stated line, excepting

where the groups are set on a straight table, and here the exhibitor cannot help himself. *Panicum variegatum* (*Oplismenus Burmannii*) grown in small pots, is one of the best of trailing plants for the front of a group; the little branchlets may be allowed to trail on the floor, over the edge of a table or back between the forward plants, hiding the pots and breaking up the line. Small pieces of *Cyperus alternifolius* and *crotons* are also useful, while the showy little *Caladium argyrites* is one of the brightest and best of plants for the purpose. There is, in short, no lack of material, and it is the grower's own fault if he fails to annex a prize owing to faulty finish in the front.

#### SHOWING LARGE SPECIMENS.

In showing large specimens there is not, of course, the same chance for effective display as with groups of small plants, but a good deal can be done that is often left undone to improve their appearance. Large unsightly stakes should never be used and only as many neat ones as are absolutely necessary to support the plants. Ugly labels should be removed and a neatly written or printed one shown prominently where it can be easily seen. The compost should be neatly surfaced with live sphagnum points dibbled in firmly and any old and worthless pseudobulbs removed. In many cases the pot containing the plant can be slipped inside a new one and the surface neatly rounded up with the sphagnum points. Where three, six or any other number of plants are shown arrange them so that each shows its best points and, as far as possible, avoid clashing in color. It goes without saying that the plants should be clean, every leaf being carefully sprayed and the plants so tied that every flower possible shows to the best advantage.

ORCHIS.

#### Bergamot Dying Out.

ED. AMERICAN FLORIST:—

Can you inform us how we can get a new start with bergamot? Our plants have all died out this winter, though they have stood in the same spot eight years.

Michigan.

THISSELL.

This looks pretty easy. Bergamot is about one of the toughest plants in existence and is plentiful in a wild state along the shores of Lake Michigan. These plants may be dug up and planted in new soil or small plants can be obtained from any dealer in hardy perennials.

G.

#### Crop for Small Greenhouse.

ED. AMERICAN FLORIST:—

Do you know of any crop one could grow for wholesaling in a small way? We have a small cool house and plenty of good rich sandy soil. We are trying mushrooms under the benches.

Michigan.

THISSELL.

There are so many crops "Thissell" could grow that we really hardly know which to advise. Were we in his place we would endeavor to find out what is really in demand in the locality and, as the house is small, plant it to this entirely. We do not consider the space under benches a good place to grow mushrooms, occasional partial successes notwithstanding. Bedding stock is usually a profitable line in small towns and this can be followed by chrysanthemums. Violets in winter and tomatoes in summer also prove satisfactory in some places, while carnations are in demand everywhere. But the best plan to follow is to find out what the local market is short on and grow this.

G.

MONTREAL, CAN.—The Mount Bruno Floral Co., which will do business here, was incorporated recently with a capital of \$50,000.



PRIZE WINNING DECORATED AUTO BY GEO. C. SHAFFER, WASHINGTON, D. C.



## Indoor Grapes.

ED. AMERICAN FLORIST:—

Please give me some directions with regard to the growing of grapes to apply in New York state, best shape and size of house, how it should run (north and south or east and west), heating, dimensions of borders indoors and out, soil for borders, varieties, and

water and keep the border dry and warm. It will thus be seen the surface line of the border having been decided on, that a depth of four feet will be needed to allow for a layer of concrete and 18 inches of broken brick or stone. If the question were asked of successful growers all would admit that good drainage is of the first importance. With regard to the best ma-



PRIZE WINNING DECORATED AUTO BY MARCHE &amp; CO., WASHINGTON, D. C.

any other information likely to help a young gardener.

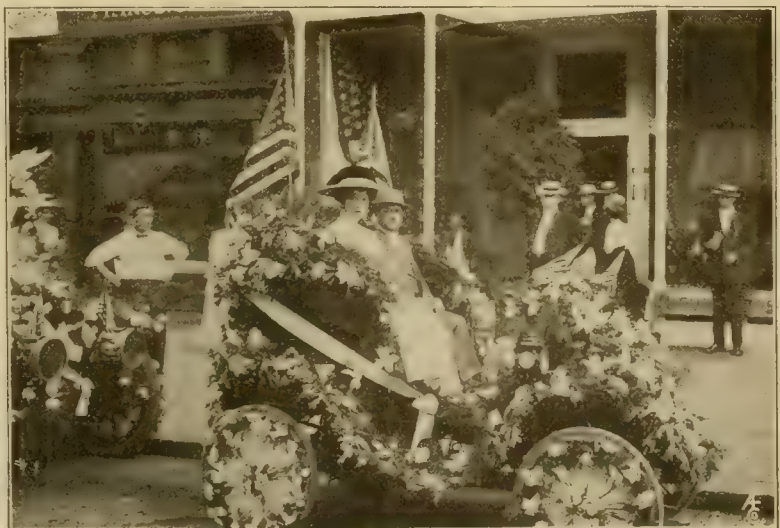
## BEGINNER.

The house we have found to be the most suitable for growing grapes is an even span, facing east and west—that is to say, one end to stand north and the other due south, an arrangement which exposes the vines on each side to an equal share of sunlight. The whole being glass, an abundance of air and light, so essential to the maturing of the wood and fruit, can at all times be obtained. In regard to the dimensions of the house, much depends on what quantity is required. We recommend houses 22 feet wide with a center walk about three feet with top and bottom ventilation. In the arrangements of hot-water pipes the heating engineer must, of course, be guided by local conditions. As heated air naturally ascends, it is advisable to avoid too close proximity to the stems of the vines, to place the tiers of pipes near the ground line and in the coldest part of the house. For early graperies more piping is required than in late ones, but to insure an abundance of heat in severe weather and to avoid overheating at all times the shrewd man will always furnish the house with ample piping. The trellis on which the vines are to be trained is an important part of the structure. This should not be less than 12 inches away from the glass, the mode of supporting the wires being a matter of detail.

In the formation of the border it is usual to make it the width of the house, but instead of making it all at once it is advisable to make half the border the first year and add each year as the roots may require until completed. It may vary in depth from two feet to 2 feet 6 inches, and there should not be less than from one to two feet of drainage to carry off the

terial for making the border we would recommend fresh virgin loam, which includes any kind of old turf from the side of a road. Chop this into rough squares with a spade, add 10 per cent of coarse bone with a liberal supply of charcoal and a dusting of air slacked lime. If any wire worm is in the soil a dusting of soot would be beneficial. No animal manure need be added, as young vines will grow freely in any fresh, well drained soil, but it may be used as mulching to keep the roots near the surface and prevent them from striking down into the cold drainage. It is better to guard against all hidden dangers at the outset than to have the trouble and expense of doing the work over again. In regard to outside borders we do not consider them practical or necessary in our climate.

Assuming that one-year-old vines are planted at this time there is danger in cutting them back to the fifth or sixth eye, as is generally practiced when planting dormant vines. A better plan would be to rub out each bud to the above distance from the base of the vine, taking the strongest bud for a leader, when the old part can be cut out when they become quite dormant. The latter part of December or early in January is the safest time, as there is no danger then of bleeding. With regard to the distance the canes should be planted, I have found four feet very convenient; some plant wider, using supernumeraries to crop until the permanent vines get established, when they can be cut out. Varieties which will do together in one house are Black Hamburg, Bowood Muscat, Muscat of Alexandria, Madresfield Court, Gros. Maroc and Melton Constable. There are many other varieties which could be grown together, but the above mentioned will make a very choice collection. As to the treatment of vines for the first year they should be started in a temperature of 50° to 55° at night and 10 to 15 degrees higher by day, but no rule can be laid down for forcing. Early growth progress must be made under the influence of sun and light and rest allowed when the days are dark and cold. When a period extending over 10 days has passed, raise the temperature to 60° at night, giving air in the mornings when the mercury reaches 70°, gradually increasing until 80°. Spray every bright morning and keep the floors regularly sprinkled through the day, closing down early in the afternoon until the weather gets too hot. Firing may be discontinued after June 1. Towards the fall, when the vines will have finished their growth, watering must be done carefully and sparingly and all air possible left on to insure the wood ripening. A word regarding the making of borders which we omitted is that they should be made good and firm, and when planting vines out of pots into the border we do not believe in the practice of shaking and spreading out the roots. This we consider a bygone fad. Simply make the hole, put in the



PRIZE WINNING DECORATED AUTO BY GUDE BROS., WASHINGTON, D. C.



plant, using a rammer to firm the soil as firm around as it was in the pot, so that when watering there is no danger of the old ball getting dry at any time. M.

### Trade Mark Protection of Plant Names.

Lowe & Shawyer, Ltd., The Nurseries, Uxbridge, Middlesex, Eng., write as follows in the Horticultural Trade Journal, of that country: "It may interest you to know that we have now been granted a certificate under the trade marks protection act, for the name of our Chrysanthemum White Countess. In our view, the establishment of the principle that plant names can be so registered as trade marks should afford raisers of new varieties a degree of protection which, in all fairness, they are fully entitled to, and of which they will, in many cases, be glad to avail themselves."

In The Gardener of April 16, a correspondent writes as follows: "Walter P. Wright, in his 'Records and Reflections' that the N. S. P. S. intend taking action to check the sale of novelties by firms other than the raisers. This is well, but why have not individual raisers long since taken the obviously simple course of protecting their interests under the trade marks act? I am not a lawyer, but as a large manufacturer I am accustomed to protecting my new introductions by registration, and I am sure that similar methods of protection are available for sweet pea raisers."

"Under the trade marks act of 1905 one may register for one's own use an invented word . . . having no direct reference to the character or quality of the goods, and not being according to its signification a geographical name or surname, ergo an invented appellation may be given to a sweet pea, and no other grower of a similar (or even the same) variety may sell it under that name without the original raiser's (i. e., registrant's) permission, which permission, to prevent accumulation of synonyms, should be generally given after the first year of seed distribution. For example: The sweet pea of 1910 may be named Waltrite, but only the raiser could sell it under that name, until such time as he withdrew his trade mark claims, and possessors of a competing variety trying to secure for themselves the advantages of the N. S. P. society's certification of Waltrite would have to introduce, say, Allwrong, which they might describe as 'identical with Waltrite and quite as good,' and we growers, even amateurs as myself, know the value of the 'quite as good' phrase."

### Rooting Cuttings of Vinca.

ED. AMERICAN FLORIST:

Will Vinca variegata strike if cuttings are inserted now in rose benches in sand, using the soft tops for cuttings? S. S.

Vinca cuttings will root all right if properly looked after, but we do not use the soft tops. We prefer semi-ripened wood and make it into two-eye cuttings in August or September. Still, if kept moist probably some at least of the cuttings will root. G.

MT. STERLING, KY.—John Corbett is about to build two new greenhouses, 30x80 feet.

### To Be Done Now.

#### IN THE GREENHOUSES.

Keep vincas well supplied with water or the foliage will suffer, especially if in small pots.

Harden off bouvardias before planting outdoors, if they are to be grown this way. If they are to be kept inside or in frames keep them very cool and allow plenty of air.

Pinch cucumbers regularly at the second joint beyond the fruit to prevent the growth getting too strong at the expense of fruit.

Nitrate of soda is a fine stimulant for backward lettuce and radishes at this time.

If green fly appears on the antirrhinums fumigate lightly and often with some nicotine preparation.

Repot the early dahlia plants and keep them growing gently in a cool house or frame.

Cut down plants of marguerite, Queen Alexandra and plant them up for early cuttings.

If freesia bulbs are to be grown again place them on a light sunny shelf to get thoroughly ripened after the growth is finished.

Pot off seedling Asparagus plumosus and Sprengerii early before the roots have a chance to get matted closely.

Avoid ventilating too freely in the rose houses when the wind is cold. Draught striking the plants is a frequent cause of mildew.

Look out for red spider in tuberoses. Spray frequently and feed the roots as soon as these have filled the pots.

Cut worms are getting busy in the smilax benches. Look out for them and lay traps of poisoned bran.

#### OUTDOORS.

There is no better time than the present for replanting evergreens, provided the roots are kept moist.

Plant out vincas for propagating purposes in clean, light and well cultivated land.

Crinums and the hardy pancratiums and hymenocallis may be planted out now with perfect safety.

Rake out any old moss from the lawn and give a top dressing of bone meal and nitrate of soda.

Sprinkle soot and lime in mixture around lettuce plants to keep slugs and snails at a distance.

Remove all manetti or other stock shoots from roses as they appear, as they are weakening to the plants, but see that the basal rose shoots are not injured.

Prepare some material for protecting fruit tree stems from sunscald in localities where they suffer from this.

It is far too early to be watering flower borders nightly, as some people do. It brings the roots to the sur-

face where they are later exposed unduly to the influence of the sun.

Sow Shirley poppies on any piece of ground that is not particularly wanted. They are fine for cutting and make a great show in the garden.

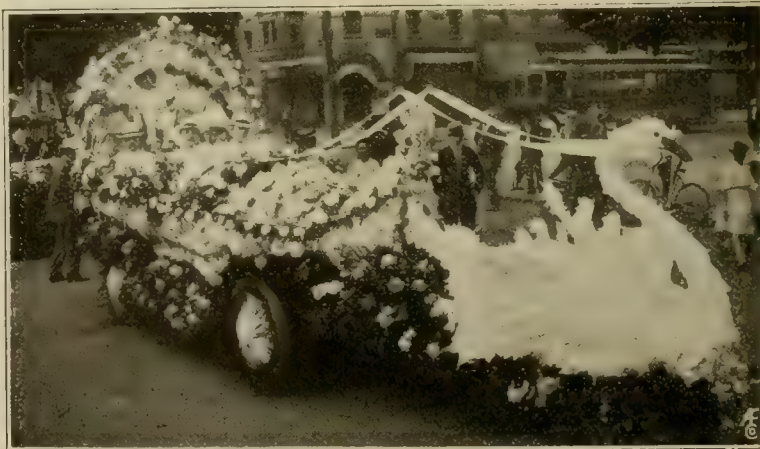
Be careful in hoeing or cleaning herbaceous borders not to damage any shoots on late starting bulbous or other plants.

Do not allow any weeds to go to seed in vacant land or headlands. Plow them under where they will benefit the land instead of impoverishing it, or hoe them off.

### Heucheras from Seeds.

Since the introduction of the original Heuchera sanguinea, remembered for the paucity of its flower production, there has been such an extension of color and character among these flowers by the efforts of the hybridist that now it is an easy matter to raise plants from seeds which will give quite an interesting assortment. Two years since I obtained a packet of the variety H. sanguinea splendens, and sowed the seeds during the spring in the ordinary way. When sufficiently advanced they were pricked off into shallow boxes, and finally set out in groups in an open border, where they made very satisfactory headway. Last summer these were a perfect picture in a floral sense, and the amount of flower produced was such that it was scarcely possible to suppress their freedom, a condition opposite to that afforded by the original introduction. Everyone acquainted with their decorative value for small vases will welcome them. For special purposes, of course, named stocks will maintain their place, and of which there is now many that are more or less distinct.

Among our stock of seedling plants were many equal to the best named sorts; indeed, it was an easy matter, when comparisons were made, to find counterparts of those with distinctive names. When required for effective border purposes they should be planted in groups, because as single plants the diminutive stature of the flower renders them inconspicuous. In a group they at once assert a prominence. When required for cutting purposes it will be found advantageous to allot them a small space of border where they may be gathered without discrimination. Perfectly hardy, (they seem unaffected by any extreme of weather) they appear to us to be able to accommodate themselves to any position. What we would emphasize is the importance of procuring seed from a reliable source, and a specially selected stock, then one may reasonably anticipate a resultant issue satisfying in its every aspect.—Journal of Horticulture.



PRIZE WINNING DECORATED AUTO BY Z. D. BLACKSTONE, WASHINGTON, D. C.



## Greenhouse Culture of Caladiums.\*

## STARTING THE TUBERS.

Being found directly under the equator, caladiums are distinctly tropical, and cannot be treated to too high a temperature. This is particularly true in greenhouse culture, and heat and moisture are the two essentials. The tubers can be started in January, but on an average better results can be obtained by starting them in February or the beginning of March. If they are started early in the season, they will be well grown in the early summer months and the foliage well developed and in a condition to stand exposure at that season. This also makes it possible to store the tubers away under the benches at that time in fall when all plants must be under glass, and the space occupied by caladiums is needed for winter flowering plants. This early start therefore has a twofold advantage. But those who have not a warm house commanding at least a temperature of 65° at night had better wait until later in spring when a good brisk heat is attainable.

At the Missouri Botanical Garden the tubers are started about the second week in March and by the first week in June, the plants are in an excellent condition to transfer into the show house. They will be in fairly good condition by September, which is an advantage, because there is nothing of value which could be used in place of caladiums at this time of the year. This method has been found more satisfactory than the one previously mentioned. The tubers should be planted in various sized pots according to their dimensions and vigor. Some may require a thumb pot while others may require a 4, 6 or even an 8-inch pot. The pots must be well drained, as the plants require a copious supply of water, which, however, must not be allowed to stagnate about the tubers. When the pots have become well filled with roots the plants should be shifted from time to time into pots of larger sizes. Slight bottom heat will be advantageous when the tubers are first started, but when several leaves have been developed this will not be necessary.

A method of growing caladiums was practiced in France in 1884. The object was to have the plants just coming into full beauty when, in a general way, they have died down, and this is accomplished by starting the tubers the first year in May or June, and the second year in August or September, so that in two seasons the growing and resting periods are entirely reversed, and the plants are in full growth during the winter months. This method is followed regularly each year at Schoenbrunn, near Vienna, the gardens of the emperor of Austria. It is, of course, a great advantage to have these fine leaved plants in full vigor in the winter, for caladiums are almost matchless in regard to decorative value and a few well grown plants would render a warm house very attractive during the dull months of the year. One real advantage is gained: The task of preserving the tubers is much facilitated, as it is understood that the requisite preservative conditions can more easily be maintained in summer than during the cold months of the year.

\*Mr. Nehrling's paper commenced in our issue of July 10, 1909, and was continued July 31, October 9, November 27 and January 8, February 19, and April 9, 1910.

## OBITUARY.

## Ludwig Möller.

Ludwig Möller, editor and proprietor of Möller's Deutsche Gärtner-Zeitung, and the most forceful figure in the horticultural journalism of Germany, died at Erfurt April 12, 1910, after a protracted illness.

Herr Möller was born December 4, 1847, at a small settlement of only two houses near Charlottenthal, Mecklenburg. He attended first a rather primitive country school, where a single teacher had to teach children from the age of 7 to 14 years in one class and afterward a public school in a small town nearby, which he left at the age of about 14 to become a gardener. He served his apprenticeship in the extensive private gardens at Diestelow, Mecklenburg, where he found ample opportunity to become acquainted with almost every branch



The Late Ludwig Möller.

of horticulture, the gardens including large collections of plants, parks, orchards, forcing houses for vegetables and fruits, vegetable gardens, etc. Having finished his apprenticeship he went to Hamburg and worked in different horticultural establishments, both commercial and private. From here he wandered mostly on foot, through a large part of Germany, Austria and Switzerland, working here and there and availing himself of every opportunity to enlarge his experience in all branches of horticulture under different conditions.

The international horticultural exposition at Hamburg in 1869 attracted him again to this city, but soon afterwards he went to Erfurt, where he worked in the nursery of Haage & Schmidt some time. From here he made his way, on foot as usual, to Frankfurt-on-Main, and then along the Rhine to Barmen, where he found employment, first with a florist, but soon after became head gardener of an extensive private garden, a position which he held about 10 years. There he became an active member of the young association of German gardeners (Deutscher Gärtner-Verband) and was soon elected president. He founded then, for the association, the

Deutsche Gärtner-Zeitung, of which the first number appeared July 1, 1877. Under his able direction the association began to grow and to extend in a way that he found it necessary to resign his position as gardener to devote his entire time to the association and the conducting of the paper. He transferred the office of the association to Erfurt, the horticultural center of Germany.

In 1886 he separated from the association and changing the title of the paper to Möller's Deutsche Gärtner-Zeitung, he published it on his own account and founded at the same time a business in horticultural supplies, including the publication and sale of horticultural books. The paper in its changed form met with great success, the number of subscribers increased from year to year and the paper itself grew from a modest bi-monthly to a weekly richly illustrated journal with a staff of contributors consisting of the leading men in their respective branches of horticulture. The paper has done much in making known improved and profitable methods of cultivation and in drawing attention to new and valuable plants. It is now easily the leading horticultural publication in Germany and has extended its circulation throughout the world, wherever gardeners of German origin are living, and among others who find it necessary to keep abreast of horticultural progress everywhere.

## Charles M. Treanor.

Charles M. Treanor, late of South Bend, Ind., died May 1, at Miami, Fla., from the effects of a paralytic stroke. Mr. Treanor had gone to Florida for his health, which had not been good of late, and although he was known to have been sick his death came as a shock to his friends as it was very sudden. Only a few days before he had written to friends on the Chicago market saying he was feeling much better. Mr. Treanor was formerly in business as a grower in South Bend. He was afterwards in partnership with Wm. Reddick under the firm name of Treanor & Reddick. They sold out to Wm. Gingrich, who failed, and the South Bend Floral Co. was formed. Mr. Treanor was for some time manager of this concern. He married a Miss Wood, by whom he had two children who, with his widow, survive him.

## San Francisco.

## TRADE FALLING OFF.

The condition of the cut flower business for the last week shows a considerable falling off, although most of the firms report that their returns from funeral work was fairly good, which helped to offset the otherwise dull business. There is an abundant supply of stock in the market at the present time, especially of carnations and roses, which can be obtained from the growers at the retailers' own prices.

## NOTES.

Chas. Leopold, formerly connected with the firm of Pelicano, Rossi & Co., recently severed his relations with that firm and has taken a responsible position with H. Sanborn Co., of Oakland.

S. R. Lundy, Pacific coast representative of W. A. Manda, left for an extended business trip through the east.

Dr. J. P. Parker, a well known orchid grower of Santa Cruz, was in the city for a few days this week.

ARTUS.



# THE AMERICAN FLORIST

1885 TWENTY-FIFTH YEAR 1910

Subscription, United States and Mexico \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

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We do not assume any responsibility for the opinions of our correspondents.

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THE AMERICAN FLORIST,

324 Dearborn St., CHICAGO

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THE Philadelphia and Reading Railroad has distributed 200,000 plants from its greenhouses at Wayne Junction, near Philadelphia, for the adornment of the grounds around the stations along the road.

## National Council of Horticulture.

The sixth installment of the press service of the National Council of Horticulture contains articles on "How to Prune Roses," "Four O'Clock," "How to Have Good Geraniums (continued)," and "Trees in Place and Out of Place." The articles are timely and practical and are entirely free to nurserymen, seedsmen, florists and local editors applying for them to James H. Burdett, 1620 West 104th place, Chicago.

THE cost of producing geraniums is still an unsolved problem.

"WARM dry rains" are the latest panacea for crop troubles, according to the Chicago Examiner.

THE ORCHID SHOW of the Massachusetts Horticultural Society will be held in Horticultural Hall, Boston, May 26-30 inclusive.

AMERICAN ROSES IN AUSTRALIA.—Andrew Kingsmill writing from the vicinity of Melbourne, Australia, to the Gardeners' Chronicle (London) says that General McArthur, Richmond and Rhea Reid are his best red roses. E. G. Hill will perhaps find new Eldorados in Australia and South Africa for the many good things in rose novelties which he has coming along now.

## Society of American Florists.

### REGISTRATION OF VIOLET.

Public notice is hereby given that Thomas DeVoy's Son, of Poughkeepsie, N. Y., offers for registration the violet described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

### RAISER'S DESCRIPTION.

Violet Marie Elise.—Sport of Marie Louise, 1907. Identical with parent plant in foliage and habit of growth; flowers double and of a dainty light wistaria shade.

H. B. DORNER, Sec'y.

April 28, 1910.

## Corrupt Practices in England.

### WHISKEY OR INSECTICIDE.

A case that has aroused unusual interest in gardening and trade circles generally in England has just ended in the complete exoneration of the parties implicated. The case was brought under the "prevention of corruption" act of 1906 against a member of the old and well known firm of Cutbush, of Highgate and Barnet, and a traveler in their employ. The charge was that, in December, 1908, they gave or agreed to give one gallon of whisky to Chas. Kidd, gardener to Captain Starkie and also of giving whisky as an inducement to the latter to vouch for the receipt of 300 tulips, said to have been delivered but which, in fact, were not. The principal evidence relied upon by the prosecution appeared to be that of a discharged employe of the defendant firm and was in part to the effect that "Cutbush's insecticide" was billed to customers and whisky instead was sent to the gardeners. That when a gardener needed whisky all he had to do was to send an order for "Cutbush's insecticide" and everybody connected with that firm would know that whisky had to be sent.

Various documents were put in as evidence to prove that these charges were true and a whole mass of evidence was gone through but by Messrs. Cutbush's records it was amply proved that the transactions were absolutely genuine and the judge in his summing up said that there was not a tittle of evidence to prove the charges. As to the present of whisky, which was not

denied, he said that there was a suspicion as to the motive and he said that the practice ought to be stopped. However, the jury was only absent five minutes and on its return intimated a verdict of not guilty in the case of both defendants and on both counts. The case was heard at the Manchester assizes, April 16.

## Unlimited Control of Seed and Plant Trade

### PROPOSED BY SIMMONS BILL.

No more high handed piece of federal control legislation has yet been proposed to our knowledge than the Simmons Bill, H. R. 15656, Section 3 of which puts the secretary of agriculture in entire and unrestricted control of all seed importations. Further we learn the following from a gentleman who was present at the nurserymen's hearing in Washington April 26 and 27:

"One of the witnesses at the hearing was an official of the Department of Agriculture, who we had understood was slated for the management of this matter if the bill goes through, and he stated frankly and emphatically that in his personal opinion all foreign nursery stock should be absolutely shut out. It is not difficult to guess what sort of trouble we should be up against if a man of that sort was intrusted with the administration of the law."

Seedsmen will please take notice of the following part of Section 3 of this proposed law:

"The secretary of agriculture may at any time extend the provisions of this act to fruits and vegetables or bulbs or to other plants or seeds not specified in this act," so that it would seem to us that the florists and seedsmen are likely in the future to be bothered as well as the nurserymen.

Seedsmen and florists should write their congressmen and senators at once protesting against the passage of the bill and insisting that these trades be given a hearing.

## Meetings Next Week.

Baltimore, Md., May 9, 8 p. m.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.

Butte, Mont., May 13.—Montana Florists' Club, Columbia Gardens.

Chicago, May 11.—Gardeners' and Florists' Union No. 10615, 10 and 12 Clark street.

Cincinnati, O., May 14, 8 p. m.—Cincinnati Florists' Society, Jabez Elliott Flower Market.

Cleveland, O., May 9, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit avenue.

Hartford, Conn., May 13, 8 p. m.—Connecticut Horticultural Society, County building.

La Crosse, Wis., May 10.—La Crosse Gardeners' and Florists' Society, Hotel Stoddard.

Madison, N. J., May 11, 8 p. m.—Morris County Gardeners' and Florists' Society, Masonic hall.

Moline, Ill., May 12.—Tri-City Florists' Club, Wm. Knees, 1829 15th street.

New London, Conn., May 11.—New London County Horticultural Society, Elks' hall.

New Orleans, La., May 8 2 p. m.—Gardeners' Mutual Protective Association, 118 Exchange alley.

New York, May 9, 7:30 p. m.—New York Florists' Club, Grand Opera House building.

New York, May 11, 3 p. m.—Horticultural Society of New York, Botanical Garden.

Omaha, Neb., May 12, 8 p. m.—Omaha Florists' Club, City Hall.

Rochester, N. Y., May 9, 8 p. m.—Commercial Florists' Association of Rochester, 416 Cutler building.

Springfield, O., May 9.—Springfield Florists' Club, office of the Good & Reese Co.

St. Louis, Mo., May 12, 2 p. m.—St. Louis Florists' Club, Odd Fellows' building, 9th and Olive streets.



## Wants, For Sale, Etc

**One Cent Per Word, Cash with Adv.**

**For Plant Ads., See Ready Reference Section.**

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

**Situation Wanted**—Florist with 14 years' experience and good references wishes position in Chicago store. Address

Key 516, care American Florist.

**Situation Wanted**—Ready in August; grower of pot and bedding plants 'mums, carnations, roses; good designer; references. 7 years' experience. Address

Key 509, care American Florist.

**Situation Wanted**—Commercial grower of roses, carnations, chrysanthemums and pot plants is open to engagement; middle-aged man, single, good references. Address

Key 513, care American Florist.

**Situation Wanted**—Grower of roses, carnations, bedding and pot stock of all kinds; used to large commercial place; wages \$13.00 per week; age 23.

STEVEN PANOSUK,  
297 W. Division St., Chicago.

**Situation Wanted**—On private place by competent grower of carnations, roses, 'mums and cut flowers in general, as well as pot plants, life experience, best references; age 31; please state salary and particulars in first letter. Address

Key 502, care American Florist.

**Situation Wanted**—As working foreman; German, single; 18 years' experience in growing roses, carnations, 'mums, bulbs and general stock plants; also good designer and decorator; sober, honest and good worker; have the best of references; can take full charge of any place; state wages.

Key 506, care American Florist.

**Help Wanted**—For greenhouse work; three or four good potters. Apply to

BASSETT & WASHBURN, Hinsdale, Ill.

**Help Wanted**—Experienced man or woman to run flower store and have interest in success.

Key 510, care American Florist.

**Help Wanted**—At once, married man for rose and carnation grower to work under a foreman; salary \$60.00 a month, with house, rent free.

IDLE HOUR NURSERIES, Macon, Ga.

**Help Wanted**—Two expert landscape gardeners, at once; \$5.00 to \$8.00 a week; work all year round; only good men need to apply. Address

Box 29, Waterloo, Iowa.

**Help Wanted**—A rose grower for steady position. Must be industrious and not afraid of work; wages \$14.00 per week to start.

Address Key 515, care American Florist.

**Help Wanted**—Young man in a growing shipping place with a chance to share in the business in future; must be a good propagator, careful and conscientious worker and not afraid to tackle any job.

J. L. SCHILLER, Toledo, O.

**Help Wanted**—Young man experienced in perennials; state experience, salary wanted, etc. in first letter; steady work for right man; 24 miles from Chicago.

Address Key 514, care American Florist.

**Help Wanted**—Man to take charge of 6-acre country place; must know how to grow fruits, vegetables and flowers; married man preferred. Address, stating wages and qualifications.

F. L. WANDELL,  
51 Chambers St., New York City.

**Help Wanted**—At once, a working foreman, married, capable of handling help to advantage, on place of 35,000 feet of glass, where roses, carnations, 'mums, bedding plants and general stock are grown to supply our store; must be a producer of first class stock; send copies of references; state age and wages expected in first letter.

JOHN RECK & SON Bridgeport, Conn.

**Help Wanted**—A middle-aged man to grow roses, 'mums and carnations, American Beauties in particular; private place, near Philadelphia; will have 5000 ft. of glass to look after for the above mentioned plants; all modern conveniences. Please answer the following questions: How long in rose houses; where and for whom; salary received; how long in different places.

J. F. CLARK, Torresdale, Pa.

**For Rent Store**—One of the prettiest flower stores in the country; no risk to one who understands the business; fully furnished; right in the heart of Cleveland. Address

TAYLOR ARCADE, Cleveland.

**For Sale or Rent**—40,000 square feet of glass, in good location; needs partial rebuilding; rent accordingly, or will sell at reasonable price.

Key 460, care American Florist.

**For Sale**—Good greenhouse in one of the most desirable towns, in excellent location; three railroad tracks making good shipping center. A snap.

Apply to WM. BALLARD, Perry, Iowa.

**For Sale**—Because of advancing age will sell my fine florist business in a live western town with out-of-town trade for 150 miles around; no competition. Key 512, care American Florist.

**For Sale**—Greenhouses, 4,500 sq. ft. glass; ground 175x250 ft.; good workroom; new 5 room cottage; new barn; in town of 8,000; 3 railroads; interurban line; is a booming town. Address

Key 505, care American Florist.

**For Sale**—3000 feet of soil pipe with fittings (except valves) 10¢ per foot. 18 4-inch valves cheap. One boiler, hot water, 3x6 feet; 3-inch return flues, \$50.00. One upright boiler 3x6 feet, 52 1 1/2-inch flues, \$25.00.

D. C. & M. A. NOBLE, Columbia City, Ind.

## WANTED

Rose growers; men capable and experienced in growing American Beauties in sections; good wages and desirable positions.

HELLER BROS., New Castle, Ind.

## Wanted—Greenhouse Engineer.

To keep in repair steam pipes, traps, pumps and boilers, also repair glazing and painting; middle-aged man preferred; no drinking man; wages \$15 per week; steady employment. Address

STEAM FITTER,  
care American Florist.

## MILFORD, ILLINOIS,

A good live town of 1700 people wants a Greenhouse. Write  
Secretary Commercial Club.

## WANTED.

Seedsmen capable of earning \$1000 per year. State fully your experience in seed business. Address

Key 494, care American Florist.

## Plant Grower.

Advertiser wants a first-class grower of pot plants for a retail business; must be competent to handle a general stock of plants and reliable in every respect. Address

Key 508, care American Florist.

## FOR SALE.

A Chance of a Lifetime.

A good paying up-to-date cut flower store in excellent locality of one of the best western cities; low rental. This is worth investigation. Reasons: too much other business. Address

Key 504, care American Florist.

## FOR SALE

Second-hand Greenhouse Bars, 14 ft. lengths, 1¢ per ft.; 9 ft. lengths, 1¢ per ft. Ventilators, with glass, 6 1/2 x 2 ft., \$1.00.

WIETOR BROS., 51 Wabash Ave., Chicago

## Wanted, Nurseryman

To take charge of outdoor department; must be competent to propagate and keep up stock of ornamental and flowering shrubs, herbaceous plants and perennials. Apply with reference and salary expected. Address, Key 511, care Am. Florist.

## Agent Wanted

Wholesale firm, exporting natural grass, clover, and agricultural seeds grass seed mixtures to the States, is wanting an agent for short trips and permanent representation. Must be acquainted with the trade. State references, age, conditions. Address

Key 499, care American Florist.

## Flower Colors

Use our COLOR CHART in describing them. PRICE, \$1.00 POSTPAID.

American Florist Co.,  
324 Dearborn St., CHICAGO, ILL.

# Offer Them Now

## ALL SPECIALTIES

For Cemetery Use  
All Bedding Plants  
Window Box Stock  
Plants for Vases

The season is three weeks early, and the growers will get left who do not clean out their surpluses

WHILE DEMAND IS STRONG



# ROSES

Are our leading feature, and the cool weather of the past few weeks has put our stock into the best possible condition for shipping long or short distances. The flowers are excellent in every way, large, of fine color, and with strong, well leaved stems.

WE HAVE ALL THE BEST VARIETIES, AND

**There Are No Better Roses Grown Than Ours**

**WHITE CARNATIONS FOR MOTHER'S DAY, \$4.00 to \$6.00 per 100**

**Write or Wire If You Want the Best Stock Properly Packed.**

| AMERICAN BEAUTIES         |               | Per doz.         |
|---------------------------|---------------|------------------|
| Per doz.                  | 20 inch stems | \$1.50           |
| Extra long stems          | 18-inch stems | 1.25             |
| 30 inch stems             | 15 inch stems | 1.00             |
| 24 inch stems             | Short stems   | .75              |
|                           |               | Per 100          |
| My Maryland and Killarney |               | \$4.00 to \$8.00 |

|                                             |              |                  |
|---------------------------------------------|--------------|------------------|
| Chatenay, Richmond, Mrs. Field, Uncle John, |              | Per 100          |
| Bride, Bridesmaid, Ivory, Sunrise and Perle |              | \$4.00 to \$6.00 |
| ROSES, our selection                        |              | 3.00             |
| Carnations                                  |              | \$2.00 to \$3.00 |
|                                             |              | Per 100          |
| Harrisii                                    |              | 12.50            |
| Valley                                      | 3.00 to 4.00 |                  |
| Adiantum                                    |              | 1.00             |
| Asparagus, per bunch                        |              | .50              |
| Ferns, per 1000                             |              | 2 50             |

**2,000,000 FEET OF MODERN GLASS.**

**PETER REINBERG, 35 Randolph St., Chicago**

## They Are Still Talking

About those elegant **Brides** and **Maids** of ours. And they are worth talking about. Such stock as this is very seldom seen on this or any other market in May. Then don't forget that **Mother's Day**, May 8, will be the occasion of a great many white carnations being sold. We shall be in good shape to take care of all your orders, large or small. Don't be left, write or wire us now what you want and you will get them.

Besides the above we are long on good roses of all kinds. **Gladioli**, fine red, will be coming in about ten days, and **Peonies** were not damaged as much by frost as was thought. We shall have plenty in all the best varieties. **Sweet Peas**, **Valley** and all other flowers in season may be had in quantity and of the best quality. Let us hear from you and we will let you know just how the market is on anything you may need.

**We Give Personal Attention to All Orders.**

**ZECH & MANN, Room 218  
51 Wabash Avenue, Chicago  
Telephone Central 3284**

### Chicago.

#### BUSINESS BETTER.

There is a better tone to the market this week and stock is good. There is no shortage in any lines, though the best carnations and roses are none too plentiful and move out briskly. American Beauty is plentiful, several of the most prominent growers around the city being in good crop with fine long stemmed flowers, while from other points south large consignments are received daily. Funeral work has been plentiful and this has caused a fair demand for the shorter grades. The summer roses are becoming quite plentiful, fine Kaiserin, Field and Carnot being seen at the principal growers' stands. Carnations are cleaning up fairly well, and there is something of a scarcity in good whites. Pinks, such as Winsor, are keeping their color well, and the flowers now coming in would be a credit to any grower in February or March. The frost did not cause as much damage to the peonies in the southern parts of the state and at the Missouri line as was anticipated, and

there are elegant flowers appearing of the old red, Early Rose and other early sorts. Some growers are cutting them much too tight and many do not open up. The Greek Easter called for some extra stock and it is thought that the dual effect of Mother's day and the automobile parade which is scheduled for Saturday of this week will cause a good demand for the various classes of stock. Cattleya Mossiae, C. Mendelii and C. Loddigesi form the bulk of the orchids coming in, and the demand is very good. Bulbous stock is, apparently, on its last legs, but there is still a lot of it around. Lilac was hit hard by the frost and very little good stock is on the market. The outdoor lily of the valley, so far, is not attractive, being small and showing the effects of the ungenial weather. Forced stock is excellent. Some shrub flowers are in. The pretty bush honeysuckles being among the most attractive. The snapdragons are fine and plentiful, a deep pink form being exquisite and selling well at good prices. Pansies, daisies and other small spring stocks are fine and plentiful. With moving

day over there is every prospect of a few weeks' good business, and there will doubtless be lots of stock to carry it on.

#### NOTES.

Orders come thick and fast to John Mangel for funeral work. Chas. Schnell's fine wreaths in the windows of the Wabash avenue store are sure drawing cards, for this clever decorator's color and form schemes are unique and very beautiful. At the Blackstone last week a luncheon was given by Mrs. Drake to about 20 ladies and the decoration was quite unusual and decidedly good. Tall, slender vases were filled with long branches, made on 36-inch wires, of Mrs. Jardine roses and white lilac. The table was strewn with the same flowers and Adiantum Farleyense, altogether an elegant decoration, kept sufficiently high that the guests could see underneath, and quite novel. We noticed in the store a fine lot of beautiful art glass ware imported direct by Mr. Mangel. Another very beautiful table decoration was carried out on Saturday, when 60 guests were seated at a series of tables arranged in the form of an oblong with an open center. Here



# BEAUTIES

**Very Large Crop  
of Long Stems**

They are the best quality in this market. Also a

## Big Cut of Roses and Carnations

**BUY DIRECT OF THE GROWER**

### Current Price List

Please note these prices are not in effect for Mother's Day.

| American Beauties                      |                | Per doz. |
|----------------------------------------|----------------|----------|
| Extra long.....                        | \$3 00         |          |
| 30-36-inch.....                        | 2 50           |          |
| 24-inch.....                           | 2 00           |          |
| 18-inch.....                           | \$1 00 to 1 50 |          |
| Short stems, per 100, \$3 00 to \$4 00 |                |          |

| Carnations                             |                | Per 100 |
|----------------------------------------|----------------|---------|
| Fancy red extra long O.P. Bassett..... | \$3 00         |         |
| Fancy White Enchantress.....           | \$3 00 to 4 00 |         |
| Fancy Pink Enchantress and Winsor..... | 3 00           |         |

#### White and Pink Killarney, Richmonds, Maids, Perles and Brides

|                                    |                |
|------------------------------------|----------------|
| Extra long and select, per 100.... | \$8 00         |
| Good lengths, per 100.....         | 6 00           |
| Medium lengths, per 100.....       | \$4 00 to 5 00 |
| Short lengths.....                 | 2 00 to 3 00   |

#### Miscellaneous

|                                  |                |
|----------------------------------|----------------|
| Lily of the Valley, per 100..... | \$3 00         |
| Tulips, all colors.....          | \$2 00 to 3 00 |

#### Miscellaneous

|                                           |                |
|-------------------------------------------|----------------|
| Sweet Peas, per 100.....                  | \$1 00         |
| Asparagus Sprays, per 100.....            | \$3 00 to 4 00 |
| Asparagus Strings.....                    | 50             |
| Sprenger, per 100.....                    | 2 00 to 3 00   |
| Smilax, very long and heavy, per doz..... | 2 50           |
| Adiantum, per 100.....                    | 1 00           |
| Galax, green or bronze, per 1000..        | 1 00           |
| New Ferns, per 1000.....                  | 2 00 to 2 50   |

**ROSES**, our selection, good medium stems.....\$2 00 per 100

## Bassett & Washburn

Store and Office: 76 Wabash Ave.,

CHICAGO

Greenhouses: HINSDALE, ILL.

# WIETOR BROS.

**51 Wabash Ave., CHICAGO**

**Wholesale Growers of Cut Flowers**

### PRICE LIST

| American Beauties, |        | Per doz. |
|--------------------|--------|----------|
| Extra long.....    | \$3 00 |          |
| 36-inch stems..... | 2 50   |          |
| 30-inch stems..... | 2 00   |          |
| 24-inch stems..... | 1 50   |          |
| 20-inch stems..... | 1 00   |          |
| 12-inch stems..... | 75     |          |
| Short.....         | 50     |          |

|                       |                  | Per 100 |
|-----------------------|------------------|---------|
| Killarney, fancy..... | \$6 00 to \$8 00 |         |
| short to medium....   | 2 00 to 4 00     |         |

|                             |                  |
|-----------------------------|------------------|
| Richmond, fancy.....        | \$6 00 to \$8 00 |
| short to medium....         | 2 00 to 4 00     |
| Mrs. Jardine, fancy.....    | 6 00 to 8 00     |
| short to medium....         | 2 00 to 4 00     |
| White Killarney, fancy..... | 4 00 to 8 00     |
| Brides and Maids.....       | 3 00 to 6 00     |
| Uncle John.....             | 3 00 to 6 00     |
| Kaiser, in.....             | 3 00 to 8 00     |

|                           |        | Per 100 |
|---------------------------|--------|---------|
| ROSES, our selection..... | \$3 00 |         |

|                                                   |                |
|---------------------------------------------------|----------------|
| Carnations, extra fancy.....                      | \$3 00         |
| good.....                                         | 2 00           |
| White for Mother's Day.....                       | \$5 00 to 6 00 |
| Easter Lilies, short \$2 00 per doz. Valley.....  | \$3 00 to 4 00 |
| Asparagus Plumosus, extra quality, per bunch..... | 75c            |
| Fancy Ferns, per 1000.....                        | \$2 50         |
| All other stock at lowest market rates.           |                |
| Prices subject to change without notice.          |                |
| No charge for packing.                            |                |

was placed a large kentia with smaller ones and Boston ferns in an undulating effect that was very good. Long stemmed Beauties, arranged in the manner described above with Mrs. Jardine were used on the tables and many encomiums were passed on this novel and attractive decoration by the guests.

Bassett & Washburn's Beauties have been coming in extra fine this week and they are selling them in large quantities to eastern customers. Miss Bloom has returned from her vacation in Ohio. E. B. Washburn has sent from California a box of thornless roses to his father's firm, who will try growing them at Hinsdale. Mr. Washburn says that their peonies and carnations were practically unhurt by the recent severe weather.

Vaughan & Sperry are handling the biggest cut of American Beauty roses they have ever had, the long stemmed flowers coming at the rate of 1,000 per day with plenty of medium and short flowers. Peonies, gladioli and fine carnations are also handled in large quantities here, and we noticed some pretty flowers of the bush honeysuckles and other outdoor shrub flowers.

Zech & Mann are well fixed on good carnations and their growers report that good cuts will be in for Mother's day. The fine roses this firm has been handling still continue to arrive in quantity as well as all other popular stocks.

Chas. M. Treanor, late of South Bend, Ind., well known in this market, died at Miami, Fla., May 1, from

a paralytic stroke. Fuller particulars are given in our obituary column.

Orders for white carnations for Mother's day have been arriving all the week at the J. B. Deamud Co.'s store. The stock is fine here and moving well.

The stock at Hoerber Bros. this week has been fine, especially the carnations, which clean up daily. Business here is reported as excellent.

Peonies are arriving in large quantities daily at the Kennicott Bros. Co.'s store, all the best early varieties being represented.

W. N. Rudd and Carl Cropp, held their thirteenth annual discussion on pansies at the Kaiserhof May 4.

W. Homburg has left the employ of the J. B. Deamud Co. and is now with J. A. Budlong.



# BEAUTIES AT THEIR BEST

Our Beauties are coming in at the rate of 1000 of the long-stemmed flowers per day, with the shorter and medium grades in proportion. The following are

## A FEW OF OUR SPECIALS FOR THIS WEEK:

|                                      |                           |                              |                          |
|--------------------------------------|---------------------------|------------------------------|--------------------------|
| Beauties .....                       | \$4.00 to \$20.00 per 100 | Fine Brides and Maids.....   | \$4.00 to \$6.00 per 100 |
| White Carnations for Mother's Day... | 4.00 to 6.00 per 100      | Peonies, pink and white..... | .75 to 1.00 per doz.     |

We also have all the best popular Roses, Carnations, Lilies, Callas, Gladioli, Fancy Valley, and all kinds of Greens, including Fancy Ferns, Galax, Leucothoe, Mexican Ivy, Etc.

Wire Us for Prices on Large Quantities

# VAUGHAN & SPERRY

Long Distance Phone,  
Central 2571.

52-54 Wabash Ave., CHICAGO

# ALL OF OUR STOCK

Is in first-rate condition, and we have plenty of it in all lines, but we wish to call special attention to our

## LONG STEMMED BEAUTIES

They are undoubtedly the best in this market, and cannot be beaten on any other. The foliage is good, the flowers of fine color, and they have not a fault.

**Our Roses, Carnations** and other flowers are perfect, and we are in full cut on all popular varieties. We are paying especial attention to out-of-town orders, and our facilities for shipping are of the best and most up-to-date.

Let Us Have Your Next Order.

We will be well fixed on  
**Carnations**  
for Mother's Day  
May 8

# J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and  
Carnations  
A Specialty.....

WHOLESALE  
GROWER OF

# CUT FLOWERS

At the J. A. Budlong store some of the finest long stemmed Beauties ever seen on this market have been shown this week. Killarney, Kaiserin, Mrs. Jardine and Field are also in fine order, and carnations were never better. Charlie Zapfe, of this firm's staff, is ill in hospital, having been operated on last Friday for appendicitis. From last reports he was doing well.

The John C. Moninger Co. has made extensive additions to its plant recently, including a piece of property 135x150 feet on Hawthorne avenue, also a five-story building 90x123 feet and a seven-story elevator 42x70 feet. Changes in the construction of the buildings are now being made and the firm expects to occupy the new quarters about May 10.

Peter Reinberg has a fine new automobile. Stock is coming in elegant shape here, the Carnot, Beauty, Richmond and Killarney roses being especially fine. Orders are coming in fine for Mother's day, and there will be lots of fine stock to fill them. Tim Matchem has been suffering all week with a severe cold, but has pluckily stuck to his guns.

The Fleischman Floral Co. reports a heavy demand for the best class of funeral work and some of the designs, casket covers and other pieces have

been in Geo. Wienhoeber's very best style, eliciting much favorable comment from customers. Trade in cut flowers is also good and a large amount of the best quality stock is being handled.

E. C. Amling reports good sales on red and pink peonies, and the flowers arriving are fine in every way. Good business is Mr. Amling's report, and he says that the chief damage to his consignors' stock by the recent frost was to lilacs, cherries and other

shrubs. Peonies were very slightly injured and the flowers arriving are perfect.

Good Cattleya Mossiae has been arriving at the Poehlmann Bros. Co.'s store all week from the greenhouses. Orchids are evidently becoming a staple here. Cardinal rose, too, was noted as very good this week.

A. I. Simmons has reproduced very attractively on his stationery the medal which he was awarded by the Horticultural Society.

## "The Busiest House in Chicago"

Rain, Sleet, Snow,  
Sunshine, Heat, Cold.

It makes no difference to us, we have the stock.

No matter what you want in cut flowers we can supply you.

## J. B. DEAMUD CO.

51-53 Wabash Ave.,

CHICAGO



# Cut Flowers \* E. H. HUNT

FOR ALL OCCASIONS.

—SEND FOR PRICE LIST.—

FLORISTS' SUPPLIES TOO.

76 Wabash Avenue, CHICAGO.

## KYLE & FOERSTER,

W. P. KYLE.

CONSIGNORS SOLICITED.

JOSEPH FOERSTER

51 Wabash Ave.,

Wholesale Florists.

L. D. Phone  
Randolph 3619.

CHICAGO

## KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., Chicago  
L. D. Phone, Central 466.

We will have anything in the line of  
**CUT FLOWERS and GREENS**  
that you may want if anybody has it, at  
Chicago market prices on day of shipment.

## A. L. Randall Co.

19-21 Randolph St.,  
CHICAGO.L. D. Phone Central 1496. Private Exchange  
All Departments. If you do not receive our  
price list regularly send for it.

At the A. L. Randall Co.'s store, business is excellent. Good orchids are much more plentiful now and find a good demand. Frank Johnson reports a very brisk demand for the Evergreen brand fertilizer and says he feels certain there will be a very big call for this excellent manure when its merits become fully known.

The D. D. Johnson Co. is now putting up its Evergreen Brand of fertilizer in attractive small tins, each containing half a pound. Thirty thousand was the size of the first order to the makers of the tins and these were already bespoken by jobbers who are handling the goods.

Superintendent West is making excellent progress with the extension which will make Lincoln park double its present size. He reports that many roses in the older section of the grounds, notably Dorothy Perkins, succumbed during the past winter.

Wietor Bros.' carnations are superb this week, especially the light colored varieties. Mrs. Jardine rose is also arriving in fine shape and business is good, there being a fine call for all stocks.

W. A. Reiman, of Vincennes, Ind., has been in the city this week and says the frost did very little damage to his peonies of which he is a large grower.

Sinner Bros. are receiving good roses and carnations. All the earliest stock in the greenhouses is now planted but some later plantings will be made.

Visitors: Albert C. Rott and wife, Juliet; E. P. Barnett, of the Oshkosh Floral Co., Oshkosh, Wis.; Andrew Schlevogt, Brooklyn, N. Y.; Otto Schwill, of the Idlewild Greenhouses, Memphis, Tenn.; W. A. Reiman, Vincennes Ind.

## E. C. AMLING

THE LARGEST,  
BEST EQUIPPED,  
MOST CENTRALLY LOCATED  
WHOLESALE  
CUT FLOWER HOUSE  
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,  
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

## Wholesale Flower Markets

| CHICAGO, May 4.                      |               |       |
|--------------------------------------|---------------|-------|
| Roses, Beauty, extra select ...      | 4 00          |       |
| " " specials.....                    | 3 00          |       |
| " " 36 in ..... 2 50                 |               |       |
| " " 30 in ..... 2 00                 |               |       |
| " " 18 in ..... 1 50                 |               |       |
| " " 15 in ..... 1 00                 |               |       |
| " " Short ..... 75                   |               |       |
| Per 100                              |               |       |
| " Bride, Bridesmaid, select..        | 4 00@ 8 00    |       |
| " " medium                           | 2 00@ 3 00    |       |
| " Killarney, select.....             | 5 00@10 00    |       |
| " " medium and short                 | 2 00@ 4 00    |       |
| " Mrs. Jardine .....                 | 4 00@ 8 00    |       |
| " Mrs. Potter Palmer.....            | 2 00@ 6 00    |       |
| " My Maryland.....                   | 3 00@ 8 00    |       |
| " Perle .....                        | 2 00@ 6 00    |       |
| " Richmond .....                     | 3 00@ 8 00    |       |
| " Uncle John .....                   | 3 00@ 8 00    |       |
| " White Killarney, select....        | 4 00@10 00    |       |
| " " medium                           | 2 00@ 3 00    |       |
| Carnations, select fancy .....       | 2 50@ 3 00    |       |
| " " white.....                       | 4 00@ 6 00    |       |
| " " common and splits ...            | 75            |       |
| Callas..... per doz., 1 50           |               |       |
| Lilium Harrisii ..... per doz., 2 00 |               | 12 50 |
| Lily of the Valley.....              | 2 00@ 4 00    |       |
| Mignonette.....                      | 3 00@ 8 00    |       |
| Narcissus .....                      | 2 00@ 3 00    |       |
| Orchids..... per doz., 6 00@ 9 00    |               |       |
| Sweet Peas.....                      | 60@ 1 00      |       |
| Adiantum .....                       | per 100, 1 50 |       |
| Asparagus Plum, strings, each,       | 60@ 75        |       |
| " " sprays.....                      | 3 00@ 4 00    |       |
| " Sprengeri.....                     | 3 00@ 4 00    |       |
| Boxwood..... per bunch, 25c          | per caes 7 50 |       |
| Ferns..... per 1000.                 | 2 50          |       |
| Smilax .....                         | 2 00          |       |

### BOWLING.

The teams below will bowl every Friday evening until July 26, when team will be selected for the Rochester convention. The scores given were rolled last Friday evening.

|                 |                 |     |                 |                 |     |
|-----------------|-----------------|-----|-----------------|-----------------|-----|
| Vaughan...180   | 171             | 197 | Huebner...146   | 184             | 152 |
| Pastern'k...152 | 157             | 147 | Winterson...141 | 134             | 123 |
| Krauss...115    | 111             | 133 | Wolf .....      | 129             | 173 |
| Yarnall...148   | 157             | 173 | Asmus .....     | 155             | 176 |
|                 |                 |     |                 |                 |     |
|                 | 595             | 596 | 650             | 571             | 667 |
|                 | Lieberm'n...127 | 135 | 148             | Wezer'ski...125 | 187 |
|                 | Farley...193    | 134 | 197             | Graff .....     | 118 |
|                 | Vogel...125     | 98  | 135             | Goerisch...172  | 116 |
|                 | Bergman...164   | 151 | 168             | Johnson...202   | 171 |
|                 |                 |     |                 |                 |     |
|                 | 609             | 618 | 638             | 617             | 651 |

(OTHER CHICAGO NOTES ON PAGE 728.)

## CHAS. W. McKELLAR,

51 Wabash Ave.  
CHICAGO.

## ORCHIDS

A Specialty



Fancy Stock in Peonies,  
Valley, Roses, Beauties,  
Carnations and a full line  
of all Cut Flowers, Greens,  
Wire-Work and Florists'  
Supplies.

Send for Complete  
Catalogue.

## POEHLMANN BROS. CO.

Wholesale Growers of and Dealers in

## Cut Flowers

All telegraph and telephone orders  
—given prompt attention.—Greenhouses 32-37 Randolph St.  
MORTON GROVE, ILL. CHICAGO.

## Quality Counts..

Let us have your next order for  
**Roses and Carnations**  
and other Seasonable Flowers.

JOHN KRUCHTEN,  
51 Wabash Ave., CHICAGO.

## WIETOR BROS.

Wholesale **Cut Flowers**  
Growers ofAll telegraph and telephone orders gives  
prompt attention.

51 Wabash Ave.. CHICAGO.



## HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 51 Wabash Avenue CHICAGO

BALLSTON SPA, N. Y.—Wm. Kemp's  
greenhouse on Division street was de-  
stroyed by fire April 23. It was in-  
sured for \$300.



## American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

## Rice Brothers

Wholesale Florists and Supplies,

115 N. 6th St., MINNEAPOLIS, MINN.

Cut Flowers received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities.

## THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

## Weiland & Olinger

128 E. Third S., CINCINNATI, O.

Wholesale Growers and Shippers of Cut Flowers.

### A Hybrid Calla.

A hybrid calla, raised from a cross made in May, 1906, between Richardia Mrs. Roosevelt X R. Rehmannii violacea, the pollen parent being an exceptionally deep colored specimen, was figured in a recent issue of the Gardeners' Chronicle (Eng.) R. Mrs. Roosevelt is itself said to be a hybrid, and, if so, its habit, form and comparative hardiness would suggest R. Africana X R. Elliottiana; but I have flowered a species sent to me from Natal which is very similar, and in absence of certain evidence I should hesitate to accept its reputed hybrid origin, says a correspondent of that journal. I have also seen an unsupported statement that it is a hybrid of R. albo-maculata X R. Elliottiana, but from the form of the spathe this is probably a mistake, that of albo-maculata being even more stiff and funnel-shaped than that of R. Elliottiana, while Mrs. Roosevelt approximates more to the opener, laxer form of R. Africana.

R. Mrs. Roosevelt grows two to three feet high, has large open spathes, pale primrose or sulphur-colored, with a deep purple base inside, and the large, broad, sagittate leaves are freely spotted white, almost, if not quite, as much as R. Elliottiana. R. Rehmannii violacea is only nine inches to one foot high (with me), and is a much smaller plant in all its parts. The spathe is small, stiff, and funnel-shaped, and colored a rosy violet, deepening to dark violet-purple at the base. The leaves are comparatively small and narrow, hastate or lanceolate.

The hybrid is intermediate. It is a strong plant rather nearer R. Mrs. Roosevelt in habit, vigor and hardiness. It has four leaves at flow-

## Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

## HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

### Wholesale Flower Markets

| BOSTON, May 4.      |             | Per 100 |
|---------------------|-------------|---------|
| Roses, Beauty, best | 25 00@30 00 |         |
| " " medium          | 15 00@20 00 |         |
| " " culls           | 5 00@10 00  |         |
| " Bride, Bridesmaid | 1 00@4 00   |         |
| " Extra             | 5 00@8 00   |         |
| Carnations          | 2 00@3 00   |         |
| " selected          | 8 00@10 00  |         |
| Callas              | 35 00@50 00 |         |
| Cattleyas           | 8 00@10 00  |         |
| Lilium Longiflorum  | 2 00@3 00   |         |
| Lily of the Valley  | 12 00@16 00 |         |
| Smilax              |             |         |

| ST. LOUIS, May 4.         |             | Per 100 |
|---------------------------|-------------|---------|
| Roses, Beauty, long stems | 15 00@20 00 |         |
| " " medium stems          | 8 30@12 50  |         |
| " " short stems           | 2 00@4 00   |         |
| " Bride, Bridesmaid       | 3 00@5 00   |         |
| " Killarney               | 3 00@6 00   |         |
| " My Maryland             | 3 00@6 00   |         |
| " Richmond                | 3 00@6 00   |         |
| Carnations                | 1 00@2 00   |         |
| " fancy                   | 2 00@3 00   |         |
| Callas                    | 8 00@10 00  |         |
| Easter Lilies             | 6 00@10 00  |         |
| Sweet Peas                | 20 00@50 00 |         |
| Adiantum                  | 1 00@1 50   |         |
| Asparagus Sprengerii      | 2 00@3 00   |         |
| Smilax                    | 12 50@15 00 |         |

| CINCINNATI, May 4.             |             | Per 100 |
|--------------------------------|-------------|---------|
| Roses, Beauty                  | 1 00@4 00   |         |
| " Bride, Bridesmaid            | 2 00@6 00   |         |
| " Golden Gate                  | 2 00@6 00   |         |
| " Killarney                    | 2 00@6 00   |         |
| " Richmond                     | 2 00@6 00   |         |
| Carnations                     | 1 00@3 00   |         |
| Callas                         | 10 00       |         |
| Daffodils                      | 2 00        |         |
| Daisies                        | 2 50        |         |
| Lilium Longiflorum             | 10 00@12 50 |         |
| Lily of the Valley             | 3 00@4 00   |         |
| Narcissus, Paper White         | 50 00@75 00 |         |
| Sweet Peas                     | 3 00@4 00   |         |
| Tulips                         | 1 00@1 50   |         |
| Adiantum                       | 25 00       |         |
| Asparagus Sprengerii, per bch. | 12 50@20 00 |         |
| Smilax                         |             |         |

| MILWAUKEE, May 4.     |             | Per 100 |
|-----------------------|-------------|---------|
| Roses, Beauty         | 6 00@40 00  |         |
| " Bride Bridesmaid    | 3 00@8 00   |         |
| " Killarney           | 4 00@8 00   |         |
| " Liberty, Chatenay   | 2 00@8 00   |         |
| " Perle               | 3 00@6 00   |         |
| " Richmond            | 4 00@8 00   |         |
| Carnations            | 1 50@3 00   |         |
| Lilium Giganteum      | 10 00@12 50 |         |
| Lily of the Valley    | 4 00        |         |
| " Trumpet Major       | 2 00@3 00   |         |
| " Von Sion            | 2 00@3 00   |         |
| Snap Dragon           | 4 00@8 00   |         |
| Sweet Peas            | 50 00@1 00  |         |
| Tulips                | 2 00@3 00   |         |
| Adiantum              | 1 50        |         |
| Asparagus             | 50 00@60 00 |         |
| " Plumosus, per bunch | 50 00       |         |
| " Sprengerii          | 35 00       |         |
| Ferns, Fancy          | 2 50        |         |

ering, the flower-scape being two feet high. The blades of the leaves are about 10 inches to 11 inches long, nearer Mrs. Roosevelt in size and form, but rather more pointed or hastate towards the ends. There are a few elongated and irregular white spots (about 20) confined to the median portion of the blade. The spathe is intermediate in size, form and substance.

—THE—  
**J.M. McCullough's Sons Co.,**  
 Wholesale Commission Florists.  
 —CONSIGNMENTS SOLICITED.—  
 Special attention given to Shipping Orders.  
 Jobbers of FLORISTS' SUPPLIES  
 SEEDS and BULBS.  
 Price List on Application.  
 316 Walnut St., CINCINNATI, OHIO.  
 Phone Main 584.

**H. G. BERNING,**  
 Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

**C. A. KUEHN,**  
 Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.  
 A Complete Line of Wire Designs.

**WM. C. SMITH**  
 Wholesale Floral Co.  
 WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.  
 Both L. D. Phones.  
 Supplies and Everything in Season always on hand

**William Murphy,**  
 Wholesale Commission  
 FLORIST

311 Main Street, CINCINNATI, OHIO.

The color of both parents is also represented in the hybrid, but apparently is not blended. The red-violet of R. Rehmannii overlies the primrose of Mrs. Roosevelt, and being spread over a larger area is rather weaker. The color at the base inside the spathe is a deep pansy-violet (Repertoire des Couleurs, No. 191, tone 4), thinning out gradually to a reddish-violet-purple (R. de C., No. 185, tones 4 to 1, or lighter), with the primrose ground showing through towards the edges. The outside of the spathe is also veined with purplish veins, as in R. Rehmannii.



# Roses

## Beauties

We expect a good supply for the next two months. Our Beauties are of the usual good quality. \$3.00 per dozen for the best—36-inch stems and over.

PINK and WHITE KILLARNEY, MARYLAND, RICHMOND, KAISERIN and BRIDE of good quality and fair prices.

THE LEO NIESSEN CO., Business Hours: 7 a. m. to 8 p. m. Wholesale Florists, 1209 Arch Street, Philadelphia, Pa.

## Pittsburg Florists' Exchange

### Wholesale Cut Flowers

#### Everything Seasonable

Headquarters for Ferns, Galax and Leucothoe, and carry a large supply of the best on hand at all times. We quote the following interesting prices on small or large quantities.

Ferns, fancy and daggers, \$1.50 per 1000  
Galax, green and bronze 65c per 1000.  
Leucothoe, green and bronze 65c per 100.

15 Diamond Square, PITTSBURG, PA.

Consignments of Good Flowers Solicited. Good Prices and Prompt Returns.

JOHN W. MCINTYRE, Wholesale Florist Specialties.

1601 Ranstead St., above Chestnut, Philadelphia. Phones Bell, Spruce 44-15 D. Keystone Race 20-42

### Philadelphia.

#### WEDDINGS HELP BUSINESS.

Several important weddings gave an impetus to the business the past week; but for these, however, it was quiet, there being a perceptible falling off in the demand. There is plenty of stock of all kinds although roses shortened up a bit with the cold nights which also left their mark on the foliage in the shape of mildew. American Beauties are quite plentiful and as the price is low they are in fair demand. Sweet peas are a great factor and quantities are used. New crops appear to be coming with different growers which keeps up a succession of fine flowers all the time. Carnations are about to have their innings and will reign supreme for the balance of the week, particularly the white varieties for which \$8 per 100 is asked for specials for Mothers' day and it is quite likely that they will soar higher, if the demand is anything like it promises to be. The commission men say the demand is easily twice that of last season and they look forward to a complete clean up of these and many other flowers before the week is out. The weather appears settled enough for planting and the hardest of the bedding stock is going out in large blocks and keeping the growers busy filling orders. The early Easter gave them a grand chance to get up a large stock and there is a fine assortment at most places. There is one exception, however, as it is said that geraniums will be scarce. Those who depend on stock for growing on from a distance, say they all found it very scarce and there is not now time to work up any themselves.

#### NOTES.

In speaking to Miss Anna Jarvis, the founder of Mother's day, she deplores the fact, as evidenced from newspaper clippings received from various parts of the country, that several parties and organizations are endeavoring to turn the observance of the day into a money-making scheme, by obtaining subscriptions for poor mothers and selling buttons to

## All Seasonable Flowers

Good Log Moss, \$1.50 per sack.

ANYTHING IN FLORIST SUPPLIES

McCALLUM CO.,

937 Liberty Ave.

Pittsburg

## Pittsburgh Cut Flower Co.,

Wholesale Florists and Growers,

The House that has and sells good goods at fair prices.

Salesrooms, 222 Oliver Ave.

PITTSBURGH, PA.

## Wholesale Flower Markets

| PHILADELPHIA, May 4.       | Per 100     |
|----------------------------|-------------|
| Roses, Beauty, extra.....  | 20 00@25 00 |
| "    first.....            | 10 00@15 00 |
| "    Brides and Maids..... | 4 00@ 6 00  |
| "    Tea.....              | 4 00@ 6 00  |
| "    extra.....            | 8 00@12 00  |
| Carnations.....            | 2 00@ 4 00  |
| Callas.....                | 8 00@10 00  |
| Cattleyas.....             | 40 00@50 00 |
| Daffodils.....             | 2 00@ 3 00  |
| Lilium Harrisii.....       | 5 00@ 8 00  |
| Lily of the Valley.....    | 4 00@ 5 00  |
| Mignonette.....            | 3 00@ 4 00  |
| Snapdragons.....           | 8 00@12 00  |
| Sweet Peas.....            | 75@ 1 00    |
| Adiantum.....              | 1 00@ 1 50  |
| Asparagus.....per bunch    | 50          |
| Smilax.....                | 15 00@20 00 |

| PITTSBURG, May 4.              | Per 100     |
|--------------------------------|-------------|
| Roses, Beauty, special.....    | 15 00@20 00 |
| "    extra.....                | 10 00@12 00 |
| "    No. 1.....                | 4 00@ 6 00  |
| "    Bride, Bridesmaid.....    | 2 00@ 6 00  |
| "    Chatenay.....             | 2 00@ 6 00  |
| "    Killarney.....            | 2 00@ 6 00  |
| "    My Maryland.....          | 2 00@ 6 00  |
| "    Richmond.....             | 2 00@ 6 00  |
| Carnations.....                | 1 50@ 3 00  |
| Callas.....                    | 8 00        |
| Cattleyas.....                 | 50 00@75 00 |
| Daffodils.....                 | 1 00@ 3 00  |
| Gardenias.....                 | 35 00@50 00 |
| Lilac, white.....per bunch,    | 1 00@1 50   |
| Lilium Longiflorum.....        | 6 00@ 8 00  |
| Lily of the Valley.....        | 4 00        |
| Mignonette.....                | 4 00        |
| Pansies.....                   | 1 00        |
| Primroses.....                 | 50@ 75      |
| Sweet Peas.....                | 50          |
| Adiantum.....                  | 1 50        |
| Asparagus Sprengeri,per bunch. | 50          |
| "    strings...per string.     | 50          |
| "    sprays...per bunch.       | 50          |
| Smilax.....                    | 15 00       |

be worn on that day, in place of flowers. Large quantities of these buttons are, it is said, being manufactured with the expectation of a ready sale. It is hoped this feature of the observance of the day will not be a success and all florists should do what they can to discourage their use.

The Leo Niessen Co. is handling a splendid line of carnations and sweet peas. Large quantities of special stock are handled here every day. The latest addition is peonies, southern stock. The first locals were handled on Tuesday; these were the early red. The later varieties will be ready in about a week and it is feared the

crop will be past before Decoration day, except they are saved by cold storage.

A splendid lot of Crimson Rambler roses, which will be in about May 15, are seen at W. K. Harris'. R. Craig & Co. have also a fine line of Ramblers in variety.

Chas. Poryzees, of Fifteenth and Chestnut streets, has gone to his native country to bring back his family—who have been spending the winter there. K.

### Philadelphia Notes.

H. Bayersdorfer and wife sailed from New York for Europe on April 23. Their trip will be an extended one, combining business with pleasure. In the meantime Paul Berkowitz is looking after the big store and orders for Memorial day keeping pouring in.

M. Rice has been in Europe for the past month on business connected with his extensive trade. Another story has been added to the Race street store and the firm now occupies seven floors. Spring business has been very heavy.

John Burton is sending in a fine cut of American Beauty and Mme. Chatenay roses. His salesman, W. G. Stephen, is a very active man and has the advantage of always having good stock.

George L. Faulkner is now well established in his new store on Fifteenth street near Walnut street, and is well pleased with his location and the condition of business.

Frank L. Polites is handling a large amount of stock at his various stores. James Paul, formerly with John Droganges, New York, is now his buyer.

Berger Bros., the Filbert street wholesalers, are handling very fine stock, most of which comes from Stockton & Howe, of Princeton, N. J.

The Philadelphia Cut Flower Exchange, managed by John Waxam, at 1207 Market street, makes a fine display of cut flowers and plants.

The Pennock-Meehan Co. is handling a large amount of good stock. Noteworthy are the American Beauty roses, peonies and gladioli.

John McIntyre makes occasional trips to New York and has worked up a good business among the leading retailers of that city.



NOW IS THE TIME TO ORDER

# "Michell's" Giant Strain of Cinerarias Chinese Primrose Seed

## PRIMULA CHINENSIS. Fringed Chinese Varieties.

We have a very choice strain of Primula, which we have procured from the leading Primula Specialists in England and Germany. Flowers very large, beautifully fringed and of the brightest colors.

|      |                                                                                                                      | 1/2 Trade | Trade  |
|------|----------------------------------------------------------------------------------------------------------------------|-----------|--------|
|      |                                                                                                                      | Pkt.      | Pkt.   |
| 1805 | Alba Magnifica. White (1-32 oz., \$2.50).....                                                                        | \$0.60    | \$1.00 |
| 1806 | Chiswick Red. Brilliant red. (1-32 oz., \$2.00).....                                                                 | .60       | 1.00   |
| 1807 | Holborn Blue. (1-32 oz., \$2.00).....                                                                                | .60       | 1.00   |
| 1809 | Kermesina Splendens. Crimson. (1-32 oz., \$2.00).....                                                                | .60       | 1.00   |
| 1811 | Rosy Morn. Pink (1-32 oz., \$2.00).....                                                                              | .60       | 1.00   |
| 1819 | Michell's Prize Mixture. Contains only the very finest sorts, selected from the best strains. (1-16oz., \$2.00)..... | .60       | 1.00   |

## HENRY F. MICHELL CO.,

## CINERARIA.

The Cineraria Seed offered by us is the best procurable.

Immense trusses of the largest flowers are produced.

Our strains have been awarded numerous First Prizes.

|     |                                           | 1/2 Trade | Trade  |
|-----|-------------------------------------------|-----------|--------|
|     |                                           | Pkt.      | Pkt.   |
| 691 | Grandiflora Prize Dwarf. Mixed.....       | \$0.60    | \$1.00 |
| 692 | Grandiflora Prize Medium Tall. Mixed..... | .60       | 1.00   |
| 699 | James' Giant Strain. Mixed.....           | .60       | 1.00   |
| 695 | Hybrida Choice Mixed.....                 | .30       | .50    |

## 518 Market St., Philadelphia, Pa.

### New York.

#### STOCK CHEAP.

The weather continues fine, and though there is not an enormous supply of stock, there is more than enough to supply all demands, with a tendency toward lower prices. The outdoor lily of the valley is now on the market and it has caused a drop in the prices of the greenhouse product, \$1.50 and \$2 per 100 being now a fair average for the latter, whereas it was, a few weeks ago, up to \$4 per 100. There is no surplus of good sweet peas and the best bring \$1 per dozen bunches, but there is much short stock selling for half that. Cattleyas move slowly at an average of 50 cents each. The street men are handling many of the shorter gardenias, and as a matter of course selling them cheap. Lilac is yet a factor, largely in street trade. Many fair roses are also being sold on the streets. There is a good movement in plants, and the veranda and window boxes are now features throughout the city. Much English ivy is being used in boxes.

May 2.—There is little change in the condition of the market. There is an abundant supply of stock.

#### NOTES.

There was a number of weddings during April that called for fine decoration. Although May was once considered an unlucky month for weddings, that superstition seems to be passing away, and there are a number scheduled for this month. In this connection the wise ones say that the coming June will be a record-breaker, all of which should make the hearts of the retailers glad. With good June business, the lean days of July and August are more endurable.

The Best Oil Co. is a new enterprise, with A. J. Guttman, 34 West Twenty-eighth street, as president. This oil, it is said, is a good substitute for linseed oil in painting, and can be manufactured at much less cost. Mr. Guttman is a man of original ideas and it is hoped that his venture will be successful.

Noteworthy features of this market are the fine palms, ferns and foliage plants that come in from the John Scott range, Brooklyn.

J. H. Small & Sons are handling beautifully flowered hydrangeas grown by Chas. Hunt, Port Richmond, S. I.

NOBSCOTT, MASS.—Adolph E. E. Koch, foreman for Geo. E. Buxton, of Nashua, N. H., has purchased the Whittemore greenhouse. Mr. Koch will make carnations a specialty.

# California Flower Market

AND

## Shipping Department

WITH

## All Kinds of Cut Flowers

31-33 Lick Place,

San Francisco,

Calif.

WHOLESALE

### Buffalo.

The April weather has been a drawback to trade and the supply of flowers. Nothing but roses which were of good quality could be called plentiful. Carnations are decidedly scarce with prices that are high for May and quality poor in many varieties. American Beauty roses are plentiful. Outdoor stock, such as tulips, daffodils, etc., were looking good, but rain and cool weather has retarded their growth. Lilacs from the south, also dogwood in profuse bloom, have been an acquisition to the market. The first jonquils have arrived, also Narcissus Pheasant's Eye, which are fair.

#### NOTES.

The event of the past week was President Taft's visit as the guest of the Chamber of Commerce and Manufacturers' Club on Saturday. The city did herself proud; from his arrival Saturday morning until his departure Saturday evening it was one round of entertainment. He stayed at the historical Wilcox mansion, which was originally the home of the Hon. A. P. Lanning, then purchased by Hon. Ansley Wilcox, being the house in which Theodore Roosevelt was sworn in as president of this United States after the assassination of President McKinley, and once more

had the honor of entertaining the present president, W. H. Taft. The first reception was given by the Ad club at the Buffalo club, where the decorations were in charge of W. J. Palmer, American Beauty roses playing the principal part. Next was the University club, where palms were mostly used by S. A. Anderson. The most elaborate was the banquet at Convention hall, where the color scheme was in yellow. The ceiling of the immense building was in yellow, done by Geo. D. Hale, while the tables were in yellow with centers of white lilac, mounds being used with the centerpieces of white lilac. The effect was grand and no expense was spared on the part of the Manufacturers' club or the decorator to make the harmony in color all that could be desired.

Some good yellow chrysanthemums in clusters have been on sale at S. A. Anderson's, also a fine lot of daisies. Hydrangeas are good and on sale. The Florists' Club will have an important meeting on Tuesday when Chas. F. Guenther will read a paper on summer blooming roses.

Receptions have been scarce as have weddings, no doubt owing to the near proximity of May 1, which necessitates the removal of many people and puts society at a standstill.

BISON.







ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

## "Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the horticultural traders; it is also taken by over 1000 of the best continental houses.

Annual subscription, to cover cost of postage, 75c. As the H. A. is a purely trade medium, applicants should, with the subscription, send a copy of their catalog or other evidence that they belong to the nursery or seed trade.

Money orders payable at Lowdham, Notts.  
Address **Editors of "H. A."**  
Chilwell Nurseries, LOWDHAM, Notts, England

## New Crop Ferns

**FANCY and DAGGER** ready May 1st.  
Special price for large orders  
Price \$1.25 per 1000.

**CALDWELL THE WOODSMAN CO.,**  
**Evergreen, Alabama**

Perpetuated and Natural Sheet

## MOSSSES

New Crop Ferns, Fancy and Daggers  
NOW READY, Price \$1.25 per 1000.

**E. A. BEAVEN, Evergreen, Ala.**

St. Louis.  
STOCK GOOD.

The weather has warmed up considerably but it is raining at the time of writing. Trade is not what it should be. Stock is good but not bringing good prices. A few peonies are in and bring from five to eight cents. Some American Beauty roses of good color are seen in medium, short and long, but are not cleaning out by any means. Outdoor stock is scarce. The opera last week moved a few flowers. This week is the farmers' convention and visit of President Taft, which may help some. Fancy ferns are about \$3 per 1,000. In about a week we can look for hardy ferns.

### NOTES.

Eddie Garlech, for 15 years in the employ of C. A. Kuehn, is about to resign and enter into the paper business with Hagen & Co., of which firm he becomes a member. Eddie has been a faithful servant and he will be sadly missed by all the retail trade. He was always strictly businesslike and was respected and liked by everyone in general. George Schriever, his fellow worker will, it is believed, become his worthy successor.

Ostertag Bros. decorated the boxes 57, 58 and 59 at the Coliseum for the opera. These were the boxes of Governor Hadley and his staff. Three hundred and fifty long stemmed American Beauties were used and the ladies carried bouquets of orchids. A supper was given in their honor. Mountain laurel, Japanese cherry blossoms and asparagus, were used; 42 tables were decorated.

The Louisiana Purchase Co. met for its sixth anniversary of the opening of the world's fair last Friday. From the surplus still left it is proposed to build a hall of fame in commemoration of the world's fair and of Jefferson. The building is to be erected at Forest park on the site of the main entrance of the late world's fair.

Alex Johnson at Wellston, who is ably assisted by Jim North, reports good trade in plants and cut flowers. A visit to his greenhouses showed a fine supply of carnations, some Beacon being especially fine.

Quite a few Kirkwood growers will be busy this summer erecting new houses. We expect to have some rose growers next winter.

Young & Sons, since the warm weather has started in, have had their



FANCY.

## Henry M. Robinson & Co.

Wholesale Commission Florists.

**Cut Flowers** of all kinds, **Hardy Cut Evergreens and Florists' Supplies.**

New Crop Dagger and Fancy Ferns ..... \$2.00 per 1000  
Bronze and Green Galax ..... \$1.00 per 1000; 8.50 per 10 000  
Leucothoe Sprays ..... \$1.00 per 100; \$7.50 per 1000  
Southern Wild Smilax, Branch Laurel, Laurel Festooning,  
Green and Sphagnum Moss, Boxwood Sprays,

A large stock constantly on hand. Can fill orders at a moment's notice, Telephone or telegraph.

Telephones: 2617-2618 Main; Fort Hill 25290.  
15 Province Street and 9 Chapman Place,

**BOSTON, MASS.**



## FANCY FERNS, \$2.00 per 1000

New Crop Galax, Bronze or Green.....\$1.25 per 1000; 10.00, \$7.50  
Sphagnum Moss, large bales .....\$1.25; 6 bales, \$7.00. Extra fine  
Leucothoe Sprays, Green and Bronze.....\$1.00 per 100; \$7.50 per 1000  
Boxwood.....per bunch, 35c; 50-pound case, \$6.50

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

## MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists and Florists' Supplies,

38-40 Broadway,

All phone connections.

**DETROIT, MICH**

## THE BEST WAY

to collect an account is to place it with the

## National Florists' Board of Trade

56 Pine Street, NEW YORK.

**WHY?** Because many debtors will pay the Board fearing otherwise a bad rating in our Credit List Full information as to methods and rates given on application.

hands full with sales of bedding and other plants.

Most of the summer gardens have opened but the floral displays have been delayed on account of inclement weather.

Grim & Gorley placed tags on all the green carnations they sold April 21 with "Oh, you O'Connor" printed on them.

At Union Market the plant men came out during the week. Owing to the cold weather the season is backward.

Fred Bruenig reported that the freeze did not do him as much damage as he thought it probably would.

W. J. & M. S. Vesey are shipping some finely colored American Beauty roses to this market.

A fine display of hydrangeas can now be seen at Shaw's garden.

W. F.

### Cincinnati.

TRADE GOOD.

Business the past week has been very satisfactory. Social affairs are becoming more numerous and some of those which occurred lately have been of rather large proportions. The present week is May festival week and no doubt all the florists will have something to do for this occasion. Funeral flowers are also in active demand and at this writing there are no gluts of anything, with the exception of a surplus of roses. This can be attributed to the very warm weather of the past few days. Carnations are in ample supply, as are also lilies of all kinds. A few more sweet peas could be used to advantage. In the green goods line everything is in good supply and the demand satisfactory.

### NOTES.

Fred Blecher, of the Blecher Floral Co. on last Tuesday had a window decorated with Taft roses, which certainly was a gem. On this day the president was a visitor to the city

## George Cotsonas & Co.

Wholesale and Retail Dealers  
in all kinds of

**Evergreen**

Fancy and Dagger  
Ferns, Bronze and  
Green Galax.  
Phone 1202 Mad. Sq.

Main Store, 50 W. 28th St., NEW YORK.

attending the May festival and Mr. Blecher took advantage of the opportunity to do a little advertising. Fred is nothing if not original.

Miss Edith Kyrk had the decorations for the reception at the Batcheller residence last Thursday and received a great deal of praise for her efforts. This is one of the swellest homes on Rose Hill and Miss Kyrk says it is also one of the easiest to decorate.

Critchell's greenhouses were sold this week at auction.

Visitors: Mr. Brothers, of the Honaker firm, Lexington, Ky.; Frank Farney, of M. Rice Co., Philadelphia.

S.

### Chicago Notes.

Emil Nelson, of Morton Grove, is consigning splendid stock of Richmond, Bride and Bridesmaid roses to John Kruchten. They are excellent in every way, the color good and the stems and foliage showing remarkably good culture. It need hardly be said that such stock does not wait long for customers.

Winterson's Seed Store is showing a big consignment of resurrection plants, 10,000 having been received. The seed business is booming here. Everyone sympathizes with J. Lonegren, of this store, whose brother was run over and killed by a Metropolitan "L" train early in the morning of April 29.

President Kelley of the Horticultural Society has returned from Florida, his health much improved, and will go to his summer home at Oconomowoc, Wis., shortly.

Ed. Hauswirth has disposed of the store lease in the Congress (formerly the Annex) hotel and will go to Twin Lakes, Wis., to engage in chicken farming.

Leonard Kill sticks to the Rialto idea, being now a Los Angeles, Calif., theatrical manager.



## DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

## GREAT BRITAIN

## WILLS &amp; SEGAR,

Royal Exotic Nursery,

Onslow Crescent. S. Kensington, London

## FLORISTS TO HIS MAJESTY THE KING.

We shall be pleased to carry out commissions from our American confreres to deliver CUT FLOWERS, FLORAL BASKETS, DESIGNS, etc., to any part of Great Britain.

Cablegrams—"FLOSCULO, LONDON."

## Kansas City, Mo.

Geo. M. Kellogg Flower and Plant Co.,  
906 GRAND AVE.

KANSAS CITY and PLEASANT HILL, MO.  
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

## Terre Haute, Ind.

John G. Heint & Son,  
129 South Seventh St.

Telephone 247.

We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

## Pittsburg, Pa.

A. W. SMITH CO.

KEENAN BLDG.

Largest Floral Establishment in America  
Established 1874. Incorporated 1909.

## Rochester, N. Y.

J.B. KELLER SONS,

FLORISTS.

25 Clinton Avenue, N.

Rochester Phone 506. Long Dis. Bell Phone 2181

*M.A. Rowe*

IN HEART OF NEW YORK CITY

Phone 2270 38th St. 1294 Broadway  
Our Motto—THE GOLDEN RULE

## Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

OLATHE, KANS.—Miss Edna Temple of the Temple Floral Co., died at her home April 16.—M.

EL PASO, TEX.—The Potter Floral Co. reports good trade and is building three new greenhouses.

## New York.

Established 1874.

## DARDS

N. E. Corner 44th St.  
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.



FROM NEW YORK EXCEPT AS NOTED.

May 10.

Hamburg, Ham.-Am., 11 a. m., Hoboken Fr. New Amsterdam, Hol.-Am., 10 a. m., Hoboken Pier.

Kaiser Wilhelm II, N. Ger. Lloyd, 10 a. m., Hoboken Pier.

FROM BOSTON, Ivernia, Cunard, 10:30 a. m., Boston Pier, Cunard Wharf.

May 11.

Mauretania, Cunard, 9 a. m., Piers 54 & 56 North River.

Teutonic, White Star, 9:30 a. m., Piers 60 & 61 North River.

Pennsylvania, Ham.-Am., 11 a. m., Hbk. Pr.

FROM BALTIMORE, Main, No. Ger. Lloyd, 2 p. m., Pier 9, Locust Point.

May 12.

Italia, Anchor, Pier 64, North River.

La Savoie, French, 10 a. m., Pier 42, N. R.

Bremen, No. Ger. Lloyd, 10 a. m., Hbk. Pr.

FROM QUEBEC, Lake Champlain, Can.-Pacific, 3:30 p. m.

May 13.

FROM BOSTON, Parisian, Allan, 10 a. m.

May 14.

California, Anchor, 10 a. m., Pier 64, N. R.

St. Louis, Amer., 10 a. m., Pier 62, No. R.

Caronia, Cunard, 10 a. m., Piers 54 & 56, N. R.

La Gascogne, French, 10 a. m., Pier 42, N. R.

Caroline, French, Pier 84, North River.

Vaderland, Red Star, 11 a. m., Pier 59, N. R.

Baltic, White Star, 11 a. m., Piers 60 & 61, North River.

Venezia, Fabre, 1 p. m., Amity Dock.

Koenig Albert, N. Ger. Lloyd, 11 a. m., Hoboken Pier.

FROM MONTREAL, Corinthian, Allan, daylight.

Laurentio, White Star-Dom., daylight.

FROM PHILA., Haverford, American, 10 a. m., Pier 54.

## Cleveland, O.

The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in NORTHERN OHIO.

## Dayton, O.

Matthews,

—FLORIST—

16 W. 3rd Street.

Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones

## St. Paul, Minn.

HOLM & OLSON,  
ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in MINNESOTA AND THE DAKOTAS

## Los Angeles, Calif.

J. W. Wolfskill,  
FLORIST,

Telegraph Orders  
A Specialty,

218 W. 4th St

## Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**  
96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

## Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

## Pittsburg Pa.

H. L. BLIND & BROS.,

Two Stores: Liberty Av. & 5th St., 5424 Center Av.  
Greenhouses: West View.

## Anderson, S. C.

THE ANDERSON FLORAL CO.  
533 MARSHALL AVE.



## DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place,  
L. D. Phone 558 Lake View.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Cincinnati, O.

JULIUS BAER,

138-140 E. Fourth St.  
Long Distance Phone.

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —338— CANAL ST.

Savannah, Ga.

JOHN WOLF,

Wholesale and Retail  
FLORIST.

Kalamazoo and  
Battle Creek, Mich.

H. A. FISHER CO.

Wholesale and Retail Florists.

We Handle Everything in Season.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in Wisconsin.

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

WASHINGTON, D. C.—The annual banquet of the Florists' Club was held at Rauscher's May 3.

ALTON, ILL.—Edward Riehl reports that his five acres of peonies were damaged to the extent of \$1,000 by the recent cold weather.

Washington,

D. C.

14th and N Streets.

Also

1601 Eutaw Place,

Baltimore, Md.

Alexander McConnell,

571 Fifth Ave., Windsor Arcade,  
NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL  
Western Union Code.

Toronto.

TRADE BETTER.

There has been considerable more volume to business the past week, which, with continued dull weather, has created a demand for stock which at times was difficult to locate. Roses continue in the best of shape and are fairly plentiful but carnations seem very short with all growers and many orders for these go unfilled. The horse show was responsible for a heavy run on yellow flowers and the visit of the governor general has caused a flurry to social circles, for which the retailers are truly thankful. Cattleyas are plentiful and moving well as is also valley while sweet peas have been at a premium.

NOTES.

Special windows have been featured this week, Dunlop's having a most artistic effect in daffodils with yellow ribbons and shower effect of bebe ribbon which elicited much admiration. J. S. Simmons showed a model of a horse in his window, with crossed whips and riding crop, horseshoes, etc., with a groom attending, which proved a drawing card to the curious. While many daffodils were used up in window decoration they were not plentiful enough to fill orders.

W. E. Mackay is going to remodel his place and will extend his conservatories to the street line to prove more enticing to the retail trade. A new residence is also contemplated which should make a fine improvement to his business.

Grobba & Wandrey have purchased the orchid collection which Wm. Hill has been accumulating.

Thos. Manton has some specimen bougainvilleas which prove attractive in the store windows.

The Steele-Briggs Seed Co. has a nice batch of calceolarias, which find a ready sale.

H. G. D.

DANVERS, ILL.—Leo Wellenreiter has been rebuilding his greenhouses, bringing them up-to-date in all respects and using cement blocks in their construction. Two new ones are to be built, each 20x65 feet. The recent freeze did a good deal of damage to outdoor stock.

Brooklyn, New York.

“WILSON”

3 and 5 Greene Ave. and 339 to 347 Greene Ave  
Greenhouses: Short Hills, N. J.

— Deliveries in —

NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

New York.

MYER, FLORIST,

609-611 Madison Ave.

Phone 5207 Plaza.

Indianapolis, Ind.

Bertermann Bros. Co.

FLORISTS

.....241 Massachusetts Ave.

Omaha, Neb.

Hess &amp; Swoboda

FLORISTS.

1415 Farnum St.

TELEPHONES  
1501 and L 1583

Denver, Colo.

The Park  
....Floral Co.

J. A. VALENTINE, President.



WASHINGTON

D. C.

Gude's

Washington, D. C.

Geo. C. Shaffer,

== FLORIST ==

Phone 2416 Main

14th &amp; Eye Sts., N. W.

Write, Telegraph or Telephone.

The Florists' Market Place,  
Our Ready Reference Ad. Dept.



# DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Kansas City, Mo.

**WILLIAM L. ROCK,**  
**Flower Co.,**

Will carefully execute orders for  
Kansas City and any town in  
Missouri, Kansas or Oklahoma.

Mention the American Florist when writing

St. Louis, Mo,

Write, Wire or Phone Your Orders to

**YOUNGS**

1406 Olive Street,

Regular discount allowed on all orders, either  
Plants or Cut Flowers,  
Phones Bell, Main 2306, Kinloch, Central 4981  
Mention the American Florist when writing

New York.

Established 1849

**David Clarke's Sons**

**FLORAL DECORATORS**

2139-2141 Broadway

Telephones: 1552-1553 Columbus, Choice Cut Flowers

Lansing, Mich.

**Gurdon B. Smith**

Covers all Points in Michigan. Best of  
Shipping Facilities in all Directions.  
Always has the best of Everything.

Kansas City, Mo.

**Samuel Murray**

..... FLORIST .....

1017 Broadway

Coates House  
Conservatory

Both Phones 2670 Main.

Write, Telephone  
or Telegraph, All orders given prompt  
attention.

Louisville, Ky.

Established 1880.

**M. D. REIMERS**

(Successor to Chas' W. Reimers,

.....329 Fourth Avenue

St. Paul, Minn.

**L. L. MAY & CO.**

Order your flowers for delivery  
in this section from the

LEADING FLORISTS OF THE NORTHWEST.

San Francisco, Calif.

**J. B. BOLAND**

Successor to Sievers and Boland

**FLORIST**

60 KEARNEY STREET.

Detroit, Mich.

**John Breitmeyer's Sons**

Corner Miami and Gratiot Avenues.

**Artistic Designs.**

**High Grade Cut Blooms.**

We cover all Michigan points and good  
sections of Ohio, Indiana and Canada.

Kansas City.

STOCK PLENTIFUL.

The warm weather after the cold wave opened up the stock so fast that the market was soon flooded with roses and carnations. Bride and Bridesmaid roses especially came in unusual quantities. They are of fair quality, but are selling for very little. Killarney is plentiful but very short in the stem and with poor heads. Carnot and Kaiserin are very good and bring good prices. American Beauty is holding up well, being of good stem and color. Richmond and Perle are plentiful but only of fair quality. Carnations are on hand in great quantities for this time of the year and are selling for \$10 to \$12.50 per 1,000. Sweet peas and Spanish iris are scarce, the market taking all that come in at a good price. Callas are selling slow and are almost gone, also Easter lilies. There is still an insufficient supply of Asparagus plumosus, A. Sprengeri and good adiantum. The sale of bedding plants is increasing rapidly. Geraniums, pansies, rose bushes, etc., are in constant demand. The dry weather we are now experiencing is hard on the carnation plants and other outdoor stock.

NOTES.

One of the funerals which helped clean up the surplus stock last week was that of Mr. McGowan, of McGowan, Small & Morgan, gas grantees; \$1,000 would be a conservative estimate for the amount of funeral work done for him.

Jas. Papodukus, Eleventh and Main streets, is looking for a new location, as his present place of business is to be replaced soon by a 15-story office building.

The Geo. M. Kellogg Flower & Plant Co. has commenced tearing out the Killarney houses and reports an excellent season on this rose.

An unusually large number of orders have been received for white carnations to be used on Mother's day.

E. Boucher, who recently started as a retailer across the state line, reports a rapidly growing business.

J. E. Murray & Co. have moved from their location at 1021 Grand avenue to 212 E. Twelfth street.

Wm. Rock of the Rock Floral Co. has just purchased a large Pope-Hartford touring car.

The Greek Easter, May 1, took care of all the late Easter lilies which the florists had on hand.

The city park board has commenced setting out bedding plants and shrubbery.

The Alpha Floral Co. reports an exceptionally good business for this time of year.

The marriage of B. F. Bunyar has been announced for June 1.

MISSOURI.

New York.

**A. J. Bunyard**

**FLORAL CO.**

We Guarantee Satisfaction

413 Madison Ave. cor. 48th St.



Albany, N. Y.

**EYRES,**

Flowers or Design Work.

Delivered in Albany and Vicinity on  
Telegraphic Order.

11 NORTH PEARL STREET.

Boston, Mass.

Send flower orders for delivery in

**Boston and all  
New England Points**

To THOS. F. GALVIN, Inc.,  
124 TREMONT ST.

THE J. M. GASSER COMPANY,

**CLEVELAND, O.**

We Cover All Points in Ohio.

Buffalo, N. Y.

**Palmer's** Flowers  
of Quality

W. J. Palmer & Son.

304 Main St.

Louisville, Ky.

**JACOB SCHULZ,**

550 So. Fourth Avenue.

Colorado Springs, Colo.

**FRANK F. CRUMP,**

Wholesale and Retail Florist.

MICHIGAN.

Orders will be carefully  
cared for by

**HENRY SMITH,**

Wholesale and Retail Florist of GRAND RAPIDS

**GEO. A. HEINL,** Leading Florist,  
TOLEDO, OHIO

All Orders Promptly Executed



## The Seed Trade.

### American Seed Trade Association.

J. C. Robinson, Waterloo, Neb., Pres.; M. H. Duryea, New York, First Vice-Pres.; F. W. Bolgiano, Washington, D.C., Second Vice-Pres.; C. E. Kendel, Cleveland O., Sec'y and Treas.; Leonard H. Vaughan, Chicago, Asst. Sec'y. Twenty-eighth annual convention, at Atlantic City, N. J. June 21, 1910.

CHAS. P. BRASLAN, San Jose, Calif., is sailing for Europe from New York, May 21.

SLUIS & GROOT, Enkhuizen, Holland, have issued an attractive new set of colored plates of their specialties of flowers and vegetables.

GOSHEN, IND.—A. E. Kunderd, formerly of Kendallville and North Wayne, has purchased 50 acres near this place and is now planting gladioli on the land.

CHICAGO.—Contract prices on the board of trade May 4 for grass seed were noted as follows: Timothy, \$4.25, nominal. White clover, from 20 cents to 25 cents.

THERE is more litigation this year than usual in the seed trade. Decisions should result which will make clearer the legal relations between buyers and sellers of seeds.

MICHIGAN BEAN PRICES.—According to a recent bulletin of the Michigan Experiment Station, the average prices paid Michigan farmers for beans from 1899 to 1908 inclusive are as follows: 1899—\$1.08; 1900—\$1.68; 1901—\$1.66; 1902—\$1.55; 1903—\$1.66; 1904—\$1.70; 1905—\$1.39; 1906—\$1.25 1907—\$1.34; 1908—\$1.94. The average price paid for 10 years is \$1.52.

JOHN BRANTFORD ALCOTT, widely known as a grass expert, died at his home in South Manchester, Conn., April 23, of dropsy. He was born in Manchester in 1830. He traveled extensively in this country and abroad and had made a special study of grasses, having in his garden, it is said, species of grass from almost every quarter of the globe. He laid out the grass gardens of the Smithsonian Institute, Washington.

## Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

**SAN JOSE, CALIF.**

**Pieters-Wheeler Seed Company**  
HOLLISTER, CAL.

Growers of High Grade Seeds

Onion, Lettuce, Radish, Sweet Peas, Etc.

CORRESPONDENCE SOLICITED.

PHILADELPHIA, PA.—All the seedsmen seem well pleased with the volume of spring business.—At the Henry A. Dreer store Manager Thilow was found in a smiling mood. In the meantime at the Riverton range and grounds there is a wonderful exhibit of things that grow.—At the Henry F. Michell Co.'s store, 1018 Market street, there is always plenty of business. Philip Frewd of this store is managing an interesting window display of lawn mowing which attracts the Market street crowds. Fred Michell, Sr., is spending part of his time in the new store, 518 Market street.—Walter P. Stokes is cheerful over the situation and judging by the volume of business being transacted, he has reason to be.—Skidelsky & Irwin are finely located in the Betz building, R. J. Irwin is on the road, while S. S. Skidelsky is attending to headquarters.—W. J. Sherry, of the Johnson Seed Co., has been confined to his home by illness for the past week.

### The Haarlem Flower Show.

The General Society for the Advancement of Bulb Growing and Horticulture has just celebrated its semicentennial at Haarlem, Holland, by an exhibition of flowers of extraordinary extent and quality. There were thousands of visitors, including Prince Henry of the Netherlands, who represented the queen at the opening ceremony, and ex-President Roosevelt. The highest award was gained by the Overveen-Bloemendaal district, which exhibited marvelous hyacinths.

### Michigan Beans.

The field beans most widely grown in Michigan, and probably the most popular commercially, belong to the pea group. The following names are commonly, though perhaps not properly, applied to the varieties grown; viz: Pea, navy, white navy, white field, marrow pea bean, etc. Despite the variations in name, the types are practically identical.

The five leading varieties of beans grown in Michigan are the pea, medium, red kidney, white kidney and black turtlesoup. A great number of varieties of garden sorts are grown in the state by farmers to be used by seedsmen in the retail trade. The varieties in the pea group will, in most cases outyield the other sorts and are

the most profitable to grow. After 15 years' experience in growing beans the Hon. A. B. Cook of Owosso, Mich., says, "I have come to the conclusion that as a money crop, one year with another, the little old fashioned pea bean has the advantage. It is hardy, early maturing, is always in demand and is the safest to tie to."

From one-half to three-fourths of a bushel of seed per acre of the smaller varieties of beans is sufficient. All of the large varieties, such as red kidney, require one bushel to the acre.

### Unlimited Control of Seed and Plant Trades

#### PROPOSED BY SIMMONS BILL.

No more high handed piece of federal control legislation has yet been proposed to our knowledge than the Simmons Bill, H. R. 15656, Section 3 of which puts the secretary of agriculture in entire and unrestricted control of all seed importations. Further we learn the following from a gentleman who was present at the nurserymen's hearing in Washington April 26 and 27:

"One of the witnesses at the hearing was an official of the Department of Agriculture, who we had understood was slated for the management of this matter if the bill goes through, and he stated frankly and emphatically that in his personal opinion all foreign nursery stock should be absolutely shut out. It is not difficult to guess what sort of trouble we should be up against if a man of that sort was intrusted with the administration of the law."

Seedsmen will please take notice of the following part of Section 3 of this proposed law:

"The secretary of agriculture may at any time extend the provisions of this act to fruits and vegetables or bulbs or to other plants or seeds not specified in this act," so that it would seem to us that the florists and seedsmen are likely in the future to be bothered as well as the nurserymen.

Seedsmen and florists should write their congressmen and senators at once protesting against the passage of the bill and insisting that these trades be given a hearing.

### Seeds By Flying Express.

Assistant Postmaster Shideler of Indianapolis—fretting perhaps under the pressure of harder work and longer hours than usual—announces to the world, not in so many words but by implication, that the free-seeds business is a confounded nuisance and keeps the postoffice department from paying profits. On Monday he received under the frank of Congressman Korbly of the seventh district for distribution in Marion county 61 big sacks crammed full of seeds, the Korbly allotment for 1910; they must now be divided up into thousands of smaller packages and be remailed to his admiring and appreciative constituents throughout Marion county—the Indianapolis postoffice doing the dispatching and, again, under the Korbly frank.

"When," remarks the perspiring Shideler incidentally, "people complain about the cost of handling the mails, they should remember that the shipment of seeds by mail in this manner costs a lot of money. In any other business such a shipment as this would be made by freight, but a congressman always uses his postoffice

## Peas AND Beans

Alfred J. Brown Seed Co.,

Growers for the Wholesale Trade.

GRAND RAPIDS,

MICH







Mention the American Florist when writing

High-class Seeds, Bulbs, Plants, Shrubs and Nursery Stock.

## "BUDS"

CARL R. GLOECKNER, President,  
76 Barclay St., NEW YORK CITY

### COLD STORAGE LILY OF THE VALLEY PIPS

\$12.50 per 1000 in cases of 2000 only.  
Finest German, not Dutch grown. Ready now.

#### For Fall Delivery 1910

Our own imports from Japan.

|                                          |          |         |
|------------------------------------------|----------|---------|
| Lilium Longiflorum Multiflorum, 7-9..... | Per 1000 | \$50 00 |
| " " Giganteum, 7-9.....                  |          | 65 00   |
| " " Formosum, 7-9.....                   |          | 65 00   |
| F. O. B. New York.                       |          |         |

## VAN ZANTEN BROTHERS

Royal Netherland Bulb Nurseries  
and Export Trade.

### HILLEGOM, HOLLAND.

Wholesale growers of the leading sort of  
**Hyacinths, Tulips, Narcissus, Crocus,**  
**Spireas, Gladiolus, Peonies, etc., etc.**

Write our traveler, **MR. G. HYLREMA**, care of  
Messrs. Maltus & Warc, 14 Stone St., New York  
for Catalogue and Special prices of all

## HOLLAND BULBS AND PLANTS

frank; and they come by fast trains,  
which are paid big prices by the gov-  
ernment for running fast and trans-  
porting the mails in a hurry."

Mid-January, the ground stiff-frozen  
and snow-covered! But the Indiana  
farmers must have their garden seeds  
by flying express! Else what is a con-  
gressman for or what is a postal frank  
for? Auditor Chance at Washington  
may juggle up his figures from now  
till Doomsday, but the postoffice de-  
ficit will always be there regularly so  
long as the United States government  
keeps up its unbusinesslike methods in  
the transportation business. — New  
York Commercial.

WASHINGTON, D. C. — Plans are  
being made for an elaborate floral  
parade to be held sometime in Au-  
gust.

ST. JOHN, N. B.—Over 20,000 pack-  
ages of seeds besides bulbs and shrubs,  
have been distributed by the Northern  
Pacific railroad to its station agents.

## 7-Top Turnip Seed

Advance orders now taken for choice grades of

### Seven-Top Dixie Frost King Prize Taker

Now in full bloom on Bloomsdale Farm.

Contract price, \$200 per 1000 pounds.

Plants from this seed of hardy northern breed, very superior to the less  
hardy southern type, stand any amount of snow and ice without injury.  
The seed will be harvested about the 20th of June and ready for shipment about the 1st of July

### D. LANDRETH SEED COMPANY

Also **KALE**—Dwarf German, \$20 per 100 lbs.  
Siberian .. 18 per 100 lbs.

Bristol, Penna.

## Rush Orders

Flower Seeds,  
Market Garden and Field Seeds.  
All kinds of Tender and Hardy Plants.  
Tuberose, Dahlias, Gladioli,  
Small Fruits,

### RUSH ORDERS

**James Vick's Sons**  
ROCHESTER, N. Y.



### SEASONABLE

#### SEEDS

For The  
FLORIST.

H. E. FISKE SEED CO.,  
Boston, Mass.

## CAULIFLOWER SEED CABBAGE

LILY OF THE VALLEY PIPS

### HJALMAR HARTMANN & CO.

Logangstraede 20, COPENHAGEN, DENMARK

Mention the American Florist when writing

## The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip,  
Radish, Beet, Etc.

Branches: Michigan **MILFORD, CONN.**  
and Wisconsin.

Mention the American Florist when writing

**Don't Forget** To give us a trial on Asters,  
Mignonette, Begonia Ver-  
non, Cineraria Primula Chinensis, Primula  
Obconica, Salvia Bonfire and Splendens, Verbena,  
Cyclamen and Pansy Seed. The two latter items  
ready July and August. We handle none but the  
highest quality strains. Katalog for the asking.



**SKIDELSKY & IRWIN CO.,**  
1215 Betz Bldg.,  
**PHILADELPHIA, PA.**

## BURPEE'S SEEDS PHILADELPHIA

Wholesale Price List for Florists  
and Market Gardeners.

Mention the American Florist when writing

## S. M. Isbell & Co.,

Jackson, Mich.

**CONTRACT SEED GROWERS,**  
Bean, Cucumber, Tomato, Pea, Muskmelon,  
Squash, Watermelon, Radish, Sweet Corn.  
Correspondence solicited.

Mention the American Florist when writing

## Waldo Rohnert

GILROY, CAL.

### Wholesale Seed Grower

Specialties: Lettuce, Onion, Sweet Peas, Aster,  
Cosmos, Mignonette, Verbena, in variety.  
Correspondence solicited.

Mention the American Florist when writing

## —FOR— SEEDS

OF ALL KINDS APPLY TO

**W. W. JOHNSON & SON, Limited,**  
Boston, England.

Mention the American Florist when writing

—ONE-HALF CAR OF—

## Calla Bulbs

Ready end of July.

Write for prices.

Berrydale Experiment Gardens, Holland, Mich.

Mention the American Florist when writing

## W. J. Eldering & Son,

Wholesale Bulb Growers and Dealers.

**OVERVEEN. HAARLEM. HOLLAND.**

Headquarters for High Grade Hyacinths, Tulips  
and Narcissi. We do not sell at Retail. Write  
for special quotations on large quantities.

Address our G. C. Eldering, care Hotel Seville,  
Madison Ave. and 29th St., New York.

## JOHN BODGER & SONS CO. Gardena, Calif.

Wholesale Growers of Sweet Peas,  
Tomatoes, Lima Beans, Lettuce, Astera,  
Cosmos and other Flower Seeds.

## Pape & Bergmann,

Quedlinburg, Germany.

Elite Seeds of Flowers and Vegetables.

Specialties: Stock Pansies, Cyclamen, etc.,  
Cactus Dahlias, Bulbs. General Catalogue Free



## Market Gardeners

### Greenhouse Vegetable Growers and Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President;  
Franklin DeKleine, Grand Rapids, Mich.,  
Vice-President; S. W. Severance, 508 Illi-  
nois Life Building, Louisville, Ky., Secre-  
tary; M. L. Ruetenik, Cleveland, O., Treas.

NEW YORK.—M. O'Brien & Son, Inc., 213 Washington street, extensive dealers in all kinds of vegetables, report that the unusually early spring has brought in a large supply of outdoor vegetables. Noteworthy, are tomatoes, potatoes and string beans of fine quality from Florida. There is a good supply of Virginia and North Carolina strawberries.—Van Dyke & Lindsay, 209 Washington street, are handling Jamaica mangoes that are remarkable for their size and quality. They wholesale at \$4 per dozen.

### The Culture of Mushrooms.

A paper read by Alex Wilkie before the Montreal Gardeners' and Florists' Club, April 4, 1910.

For best results good spawn is absolutely essential, and where large quantities are grown the best plan is to make the spawn at home. First procure fresh horse droppings, cow dung and a little loam. Use about a tenth part more horse droppings to equal parts loam and cow dung. Mix all together by the addition of stable drainings until it is of the consistency of mortar. Then spread it on the floor of an open shed, about two inches in thickness. Leave until sufficiently dry to cut and handle (without fear of breaking) into blocks about six or eight inches square. When half-dry make a hole in the center of each with a dibber about an inch square to admit a piece of good old spawn, deep enough to allow a covering of clay on top, then place on edge in a dry, airy place until nearly dry. Make a bed of horse dung on a dry bottom, about nine inches thick; on this pile the bricks rather openly, to allow of the free circulation of the steam and heat, and cover all over with a layer of litter to keep the heat in. Keep the temperature about 60°. The spawn will soon begin to run, and, on trying a brick, if the spawn appears throughout like a white mould, then the process has gone far enough. Remove the bricks and allow them to dry, then store them away in a dark dry place ready for use.

If the trouble of making spawn at home is too great buy it, but not all from one dealer. Divide up the order with as many dealers as possible. If all is ordered from one dealer that particular order may be old, useless spawn. Again, every dealer does not make the spawn at the same time, so as to get a longer season in crop.

#### MAKING THE BEDS.

It has been found that horse droppings, from horses fed on oats and hay, is best for growing mushrooms. They should be gathered fresh, laid in ridges or thin layers, in an open dry shed. The long litter ought to be shaken out, but the short can be left, provided it is saturated with the urine

of horses. These materials should be kept turned and in an incipient state of fermentation until the rankness is got rid of. In order to retain all the ammonia possible it is a good plan to mix a little friable maiden loam with the droppings. The style of beds generally put down depends upon the amount of floor space at command. If there is room put down ridges, as these give a larger surface for production, and a larger body of material, which means a longer season in crop, as a larger body of material tends to longer production by retaining the heat longer.

If growing on shelves is intended, a front depth of nine inches and 12 inches at the back should be provided. First put about two inches of loamy turf, then three layers of droppings, each layer to be beaten firm in turn and made as compact as possible. When the mass heats make holes about eight or 10 inches apart, as deep as the loam beneath. Put in a thermometer and when the heat has declined below 80° fill the holes with a mixture of loam and horse droppings to within two inches of the surface; insert a piece of spawn about two inches square, then fill up level with the surface of the bed. Be sure that the heat is on the decline from 80°, a temperature the beds should never exceed. When satisfied that all danger of overheating is past soil over at once, the surface of the beds to be covered over thinly with loam. In a week or 10 days this covering should be made up to two inches thick; it ought also to be about the same temperature as the material in the bed to prevent chill; then cover the surface over with litter.

From this time the temperature of the house should never exceed 65°, and when the mushrooms appear it can be reduced to below 55°. Watering is a common cause of failure. Too much water will stop the spawn from running. Water applied cold has the same effect. The water temperature ought to be about 80°; then, as long as the litter is kept moist, the material will be all right. Mushrooms delight and flourish in a moist temperature and every mushroom house requires a little artificial heat at some time of the season. A good way to supply both heat and moisture in the atmosphere is to run a hot-water pipe from a small boiler and fix evaporating troughs on the pipe, keeping them filled with water. Too many pipes are detrimental to a moist atmosphere and I would suggest that just enough to keep the house at 55° be installed. The chief points that make for success in mushroom culture are good spawn, well prepared beds, a nice moist even temperature, careful watering, and careful picking. Never cut mushroom stems. Always twist them off, as cutting causes the part of the stem that is left to decay and create a fungus, which spreads to the younger stools and gradually over the whole bed.

LEAVENWORTH, KANS.—The Sunnyside Floral Co. is building two rose houses, each 24x150 feet. In the future the company will grow its own roses instead of buying them from out-of-town growers as heretofore.

## VEGETABLE PLANTS

|                                                                                                     | Per 100       | 1000   |
|-----------------------------------------------------------------------------------------------------|---------------|--------|
| Beet Plants .....                                                                                   | \$0 20        | \$1 25 |
| Egg Plants .....                                                                                    | 40            | 2 00   |
| Pepper Plants, Bull Nose, Sweet                                                                     |               |        |
| Mountain and Ruby King.....                                                                         | 40            | 2 00   |
| Tomatoes, small plants, Earliana, Early Jewel Dwarf Stone and Champion, Ponderosa and Matchless.... | 30            | 2 00   |
| Tomatoes, small plants Stone Paragon and Favorite and Success ....                                  | 20            | 1 00   |
| Cabbage, full list of leading varieties, 10,000 and over ...                                        | 20            | 1 00   |
|                                                                                                     | 85c per 10.00 |        |
| Lettuce, Grand Rapids, Big Boston, Boston Market and Tenn's Ball ...                                | 20            | 1 00   |
| — Cash with order. —                                                                                |               |        |

R. VINCENT, Jr. & SONS CO., White Marsh, Md.

## Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE \$1.10

AMERICAN FLORIST CO.,  
324 Dearborn St., Chicago.

## MUSHROOMS

HOW TO GROW THEM

BY WM. FALCONER.

The Best American Book on the Subject.

170 Pages. 29 Illustrations.

—Price \$1.00.—

AMERICAN FLORIST CO.  
324 Dearborn St., CHICAGO.

## Now Ready...

To ship a very large stock of Early Cabbage and Tomatoes of the best leading varieties at \$1.25 per 1000; honest count. Sweet Potato Plants ready May 7 at \$1.50 per 1000. Celery ready May 15, three varieties.

S. J. McMICHAEL,

142 Larkins St., P. O. Box 473, FINDLAY, O.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

### Prices of Indoor Fruits and Vegetables.

New York, April 30.—Mushrooms, 40 cents to 50 cents per pound; cucumbers, \$1 per dozen; mint, 36 cents per dozen bunches; grapes, Hambros, \$1.25 per pound.

Chicago, May 4.—Mushrooms, 40 cents to 50 cents per pound; cucumbers, \$1 to \$1.25 per dozen; leaf lettuce, 22-25 cents per box; head lettuce, Louisiana, \$1-\$1.25 per hamper; \$6½ barrel (sugar barrel size); radishes 25-30 cents per dozen.

PECKVILLE, PA.—Thomas Hodgson of Rose street is constructing a greenhouse which he expects to have completed by Memorial day.





**Vaughan's**  
**Lilium Harrisii.**

**1911 Both Plants and Bulbs Carefully Selected.**

While we do not claim that our Harrisii are absolutely free from disease, or that every bulb will produce a perfect plant, we do claim that our growers' efforts in the way of spraying and roguing are producing results, our stock now being freer from disease than ever before and of genuine Harrisii type. In fact, the best general crop grown on the island of Bermuda.

**Vaughan's Seed Store,**  
CHICAGO. NEW YORK.

## Cleveland.

## CARNATIONS SHORT.

The market conditions the past week were about the same as the previous one, shortage of carnations and sweet peas being the chief characteristic. The weather is moderating somewhat, and, with a few days of warm sunshine, conditions will be reversed. String smilax is again very plentiful with a good demand. Asparagus plumosus is still rather short of the demand. All varieties of flowers sold up clean, the demand being steady and strong. Roses are coming in good shape and are selling up nicely, not enough of the shorter grades to fill orders being obtainable. Tulips and daffodils are about done for. A few choice orchids are coming in regularly.

## NOTES.

City Forester Frink has resigned. "I want to get out of this," he said. "I don't have to stand all of this." Through the death of a brother recently Frink has become the executor of an estate amounting, it is said, to \$40,000. He is probably going back to tree selling. A row of sycamore trees is being planted by the city forestry department along the entrance to Brookside park in place of the willows that were cut down. They are also planting trees at the Superior avenue entrance to the boulevard.

The Smith & Fettes Co. had a very attractive window, an ocean liner, the Mauretania, being represented made entirely of pansies, real smoke issu-

# Are You Aware

**THAT OUR 1910 DIRECTORY** OF FLORISTS  
SEEDSMEN AND  
NURSERYMEN

Contains Approximately

**1,500 NEW NAMES  
IN ITS 570 PAGES**

**Price \$3.00 Postpaid.**

Every name is keyed to show the branches of the business in which each individual or concern is engaged, with greenhouse area and acreage of land.

**AMERICAN FLORIST CO.,**  
324 Dearborn St., Chicago.

ing from the stacks, the boat surrounded by water and moss, a card in the foreground announcing that tickets for this boat could be bought next door, that being a steamship ticket agency.

Chris B. Wilhelmy, 3610 West Twenty-fifth street, presented the entire company of the K. of C. with flow-

ers at their charity performance at Euclid Garden theatre.

C. M. Wagner had a very artistic window representing a Maypole festival. Cutely dressed dolls made the window very attractive.

Visitor: Geo. Bowditch, of the Lamborn Floral Co., Alliance.

C. E.



## The Nursery Trade

### American Association of Nurserymen.

F. H. Stannard, Ottawa, Kans., President;  
W. P. Stark, Louisiana, Mo., Vice-President;  
John Hall, Rochester, N. Y., Sec'y.  
Thirty-fifth annual convention to be held  
at Denver, Colo., June 8-10, 1910.

WASHINGTON, D. C.—The house committee on agriculture gave a hearing to nurserymen from various sections of the country April 27, who spoke for and against the Simmons bill. This bill aims to prohibit the importation of nursery stock without a permit.

STOCKTON, CALIF.—The park commission is improving Liberty park, this spring, in which a pumping plant has been installed to water the park from. The other seven squares are furnished with water by a water company. L. C. Mindach is head gardener for the park commission.

#### John Hall.

### SEC'Y AMERICAN ASS'N OF NURSERYMEN.

We have pleasure in giving a few details of the career of John Hall, Rochester, N. Y., the well-known secretary of the American Association of Nurserymen. Much of the matter has appeared in the recently published History of Rochester: "John Hall is a member of the Park Commission of Rochester and in this city is rated with those men of genuine public worth who stand for advancement in the city and in the individual, his influence being ever on the side of right, justice, truth and culture. He is on the city parks committee and chairman of the park playgrounds committee, also associated with Wm. C. Barry, nurseryman, on the committee having supervision over the famous Highland Park. A native of England, Mr. Hall was born at Little Chester, near Derby, in 1845, a son of William and Mary Ash Hall. The father was a magistrate of Derby and one of the pioneers in the great temperance movement. In his home locality the latter was very prominent and influential, and acted as almoner for the late Sir William Harcourt and the late Samuel Plimsoll, the 'Sailor's Friend.' He was prominent in all benevolent work and for 28 years was president of the Temperance society. The family has been noted for longevity, and William Hall died in August, 1906, at the advanced age of 88 years.

"John Hall is a self-made man. His educational privileges were very meager. He attended the common schools only until eight years of age, because of the then limited income of the father, and began earning his own living as errand boy in the public health department of his native town, working for two shillings (50 cent) per week. He subsequently entered his father's printing office to 'learn the case,' and later served an apprenticeship on the Derby Mercury. The printing office has been aptly termed 'the poor man's college,' and it proved the case with Mr. Hall, for it was in this office that he picked up most of his education. At the same time he learned Pitman's system of shorthand. Believing that he would have better business opportunities and advantages in the new world, he came to America in the spring of 1868, and made his way direct to Omaha, Neb., locating there when it was a city of only 6,000 inhabitants. He was with

# STOCK FOR FLORISTS

ROSES for Forcing—Hybrid Perpetuals and Ramblers, all the best ones; fine, strong stuff. Clematis, Ampelopsis, Tree Hydrangeas and Lilacs, Shrubs, Vines and Perennials. Write for prices.  
PALMS—Kentias in 2½-inch pots, \$8.00 per 100; \$75.00 per 1000.

**JACKSON & PERKINS CO., Newark (near Rochester), New York**  
Nurserymen and Florists. Wholesale only. Use printed stationery.

## ROSES Our Leading Specialty

Also Azaleas, Rhododendrons, Conifers, Fancy Clipped Boxwoods, Forest and Fruit Trees, Hedge Plants, Etc  
Ask for Wholesale Price Lists.

**S. A. VOSTERS & SONS, RIEL, HOLLAND.**

## Phoenix Nursery Company

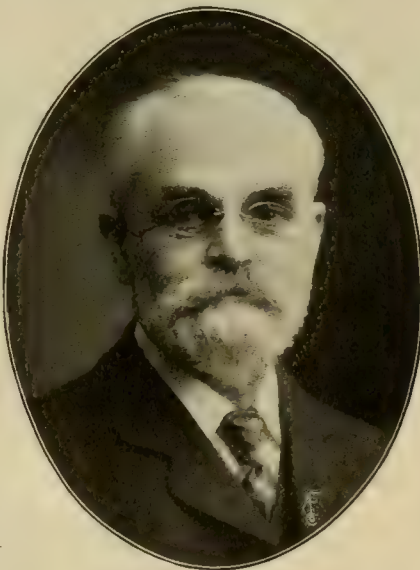
### Nurserymen and Florists

BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for spring issued Feb. 1st.

the Omaha Republican for one year, and afterwards on the editorial staff of the Omaha Tribune. In the fall of 1868 he acted as stenographer for the military department of the Platte in a court martial at Fort D. A. Russell, Cheyenne. In the capitol at Lincoln, he acted as a stenographer for the constitutional convention of 1870, and also on the impeachment trial of Governor David Butler. While in Lin-



John Hall.

Secretary American Association of Nurserymen.

coln, Mr. Hall met George S. Harris, the then land commissioner of the Burlington & Missouri River railroad, and entered his employ as stenographer and correspondent, writing all his letters with the pen because the typewriter machine was not then much in use. He remained with Mr. Harris until the latter's death, in 1874, during which time he was located at Burlington, Ia.

"Mr. Hall moved to Rochester, N. Y., in that year, and for one year was with R. G. Dun & Co., and afterwards with the late James Vick, seedsman. In 1878 Mr. Hall returned to England, taking with him his wife and three children, and was absent

## Jacs Smits & Co., NAARDEN, (Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Price List Free on Demand.

## JOHN T. WITHERS, Inc.

### Landscape Architect and Forester


1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture

for four years. Mr. Vick, visiting England, hunted him up and insisted on his return to America in his employ. Mr. Hall therefore embarked again for the new world, but Mr. Vick died before Mr. Hall reached Rochester in the spring of 1882. However, he remained with the Vick house until 1887, when he engaged in the life and fire insurance business, which he still follows. Mr. Hall has been secretary-treasurer of the Western New York Horticultural Society for nearly 22 years, the membership having grown in the years following from less than 300 to 1,500. Mr. Hall is a man of well-rounded character and of evenly balanced mind, and this has enabled him to take an active and helpful part in many movements for the public good. He is prominent and influential in the Methodist church and served as superintendent of the Sunday school of Monroe avenue church for nearly a decade. He is also widely and favorably known in musical circles, and possesses great love for the art of music, with no inconsiderable talent in that direction, and has sung in chorus for nearly 40 years.

"In 1871 Mr. Hall was married, in Omaha, to Lillie Staley, a native of Miamisburg, O. They have five daughters and one son: Lillian, the wife of Professor F. Collins Baker, director of the Chicago Academy of Sciences; Grace Mortimer, wife of Frank S. Brewer, of Unionville, Conn., connected with the Upson Nut Co.; Gertrude Taylor, wife of J. Eugene Masten, credit man of the Lisk Manufacturing Co., Canandaigua, N. Y.; Maude Emily, wife of Prof. Howard W. Lyman, prominent in musical circles in Boston, Mass., associated with the New England Conservatory of Music in that city; Harry Staley Hall, of the Whitehead & Kales Iron Works Co., as superintendent of estimates department and also of work under construction; and Edna Elmore, at home. The members of the family occupy an enviable position in cultured social circles where true worth, intelligence and refinement are received as passports. The entire family are total





# Arbor Vitæ

(Thuya Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

**The Wm. H. Moon Co.,**  
MORRISVILLE, PA.

# DAHLIAS

Jack Rose and other best Cut Flower varieties. Write for list and prices.

**PEACOCK DAHLIA FARMS**

Williamstown Junction, N. J.

# LARGE TREES

OAKS and MAPLES  
Pines and Hemlocks

**ANDORRA NURSERIES.**

Wm. Warner Harper, Prop.  
Chestnut Hill, PHILA., PA.

THE

# Storrs & Harrison Co.

PAINESVILLE NURSERIES.  
CATALOGUES AND PRICE LISTS  
FREE ON APPLICATION.....

**PAINESVILLE, OHIO.**

# Eugene Pitou, Jr.

CIVIL ENGINEER and  
Landscape Architect.

Phone Barclay 6084—229 Broadway, New York  
Designs, Estimates, Construction of Grounds.

abstainers from intoxicating drinks and tobacco, and have been so from birth. John Hall of this review is well known as a man of strong convictions, quick to discern the right, and unfaltering in his support thereof. He is a lover of society and of his friends, a genial, companionable and entertaining gentleman, with whom association means pleasure, elevation and expansion."

**Catalpa Cordifolia.**

Something like 150 trees of this species were raised from seeds in the gardens of the Royal Horticultural Society at Chiswick, and distributed amongst the fellows, in the spring of 1880 or 1881, so that if any of the seeds fell into appreciative hands, they should, by this time, be making handsome trees. At the time of which I speak *C. speciosa* seemed to be regarded, merely as a fine variety of *C. bignonioides*, though it may be distinguished by its soft, downy, more acuminate and inodorous leaves, as well as by its larger flowers, fruit, and seed. In America it is more valued as a timber tree than *C. bignonioides*, because of its more upright growth. The western catalpa is still known in America as *C. speciosa*, though *C. cordifolia* is the correct name; its habits are western Kentucky and Tennessee chiefly. The seeds are flat, oblong, and terminate in a fringe of fibers at either end. These fibers are the prolonged and lacerated testa, and, by reason of the fact that they remain free at the ends, the seeds of *C. cordifolia* may be distinguished from those of *C. bignonioides*, which, beside being narrower, have their fringes rolled up into a pencil or point. The two species may thus be distinguished at the time of sowing, and disappointment avoided from the outset by those acquainted with these differences.—Gardeners' Chronicle

# CANNAS

We are sold out of all Cannas with the exception of the following varieties, and offer until sold at prices quoted.

**F. O. B. New York or Chicago for Immediate Delivery.**

**Red-Flowering Cannaas.**

|                                    |        |         |
|------------------------------------|--------|---------|
| A. Bouvier, 5-ft.....              | 100    | 1000    |
| Black Prince, 3 to 4-ft.....       | \$1.50 | \$14.00 |
| Exp. Crampbell, 5½ feet.....       | 1.75   | 15.00   |
| Red, Gold-edged and Spotted Shades |        |         |
| Gladiator, 4-ft.....               | 1.50   | 14.00   |
| Indiana, 3 to 4-ft.....            | 2.75   | 25.00   |
| Queen Charlotte, 3½ feet.....      | 1.75   | 15.00   |
| Mme. Crozy, 5½-ft.....             | 2.25   | 20.00   |
| S. de A. Crozy,.....               | 2.00   | 17.50   |

Chicago and West rn agents for our Cannas

**WINTERSON'S SEED STORE,** 45-47-49 Wabash Ave., Chicago.

**ARTHUR T. BODDINGTON,**  
Seedsman  
342 W. 14th St., NEW YORK

# Roses! Roses!

We offer for immediate delivery the following Roses on own roots, dormant, field-grown plants, first-class in every way:

|                            |           |
|----------------------------|-----------|
| 1000 Helen Gould, Balduin, | 12 cents. |
| 300 Pink Baby Ramblers,    | 12 cents. |
| 500 Newport Fairy, - -     | 12 cents. |
| 1000 Dorothy Perkins. -    | 12 cents. |
| 2000 Tausendschon, - -     | 20 cents. |

Also a limited number of dormant, field-grown plants, own roots of the following Roses at 12 cents each; Sweetheart, Trier, Lady Gay, La Flamma, Taurus Blumchen. Debutante, Hiawatha.

**Clematis** Paniculata, field-grown, 1 yr. 5 cents.  
**Clematis** Paniculata, field-grown, 2 yr. 8 cents.  
**Hydrangea** Paniculata Grandiflora, 18 to 24 in. 6 cents.  
**Hydrangea** Paniculata Grandiflora, 2 to 3 ft 9 cents.  
**Viburnum** Plicatum, 2 to 3 ft.....12 cents.  
**Chinese Sacred Lilies**, \$3.00 per 100; \$25.00 per 1000.

**Guide To Rose Culture** As a work of reference, this book is almost indispensable and was produced at a cost of \$10,000. FREE to all who ask for it. Write to-day.

**The DINGEE & CONARD CO.,** West Grove, Pa.

# A BLUE ROSE

**The Greatest Rose Novelty of the Century**

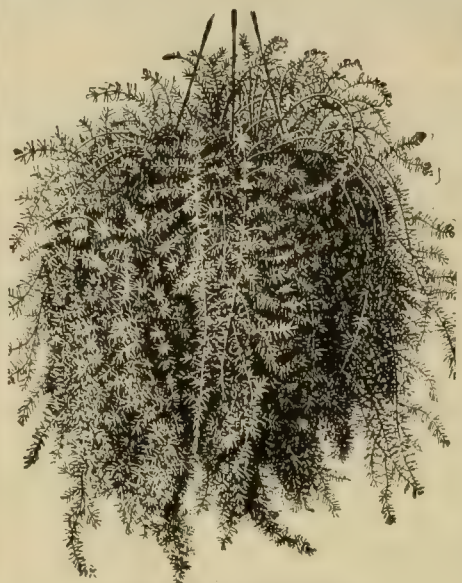
*It flowered with us this season and was greatly admired.*

**ELLWANGER & BARRY**  
Mount Hope Nurseries

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.  
*Send for description and price.*

**ROCHESTER, N. Y.**





ASPARAGUS SPRENGERI.

# Asparagus

## ASPARAGUS PLUMOSUS NANUS

We handle this Asparagus both in seed and plants of all sizes, in very large quantities and make very close prices on larger amounts on application. Our seed is pure, fresh, of best germinating quality and vitality.

### Northern Greenhouse Grown Seed.

Per 100 seeds, 60c; 250 seeds, \$1.25; 1000 seeds, \$4.00; 5000 seeds at \$3.50 per thousand.

**SPRENGERI** 100 seeds, 15c; 250 seeds, 25c; 1000 seeds, 75c; 5000 seeds, \$3.25.

**Starting Asparagus Plumosus Nanus Seed.** This seed may be sown at any time of the year, but April or May is the natural time. Bottom heat is of great advantage. If soaked four days, and given good bottom heat say 70 degrees, the plants can be sprouted in 25 days and transplanted 25 days later.



SINGLE SPRAY ASPARAGUS PLUMOSUS NANUS.

**Vaughan's Seed Store,** 84-86 Randolph St., CHICAGO.  
25 Barclay St., NEW YORK.

## Neph. Whitmani

2 1/4-in ..... 5.00 per 100  
MAGNIFICA (new), 2 1/4-in., 25.00 per 100

**Boston Ferns** 2 1/4-inch,  
\$3.00 per 100.

Henry H. Barrows & Son, Whitman, Mass.

Mention the American Florist when writing

Providence, R. I.

The great influx of cut flowers of first-class quality has somewhat diminished owing to cooler and cloudy weather. Those of second-class quality are very plentiful and sell at a very low price in large quantities. There has been a number of weddings and social functions as well as good funeral, cut flower and design business, also a good transient cut flower trade. Carnations and roses continue to come in in great quantity and good quality. Spring greenhouse flowers such as heliotrope, candytuft, feverfew, marguerites, pansies, daisies, forgetmenots and hardy tree and shrub flowers are very plentiful and sell well. Gardenias are much sought. Cattleyas, Spanish irises and gladioli are all seen in small numbers. Pansy plants are selling well. Nursery and seedsmen are extremely busy. Nurserymen report business 50 per cent better than last year.

### NOTES.

President Robert Johnston of the Rhode Island Florists' and Gardeners' Club was host to the members of the club at dinner. The membership list was increased by the election of James King of this city at the regular monthly meeting held at the rooms of the association. President Johnston conducted the business session, which was brief, and at the conclusion he extended the invitation to the members. The party was received by Mrs. Johnston, assisted by William H. Barrows and Mrs. Ray Davis. The table and house decorations were of Killarney roses. The affair was entirely informal and much enjoyed by all. Those present included W. E. Chapell, W. Appleton, Eugene Appleton,

## A ROSE FOR EVERY GREENHOUSE GRAFTED ROSES

White Killarney, My Maryland, Pink Killarney, Richmond.

Rose pots ..... \$15 00 per 100  
3 1/2-inch pots ..... 18 00 per 100

Bride, Bridesmaid, La France, Kaiserin.

Rose pots ..... \$10 00 per 100  
3 1/2-inch pots ..... 15 00 per 100

## OWN ROOT ROSES

White Killarney, My Maryland, Richmond, Pink Killarney, American Beauty.

3-inch pots ..... \$ 9 00 per 100  
4-inch pots ..... 12 00 per 100

Bride, Bridesmaids, Perle, Chatenay, Kaiserin.

3-inch pots ..... \$ 7 00 per 100  
4-inch pots ..... 10 00 per 100

We will have large quantities of American Beauty Rose plants of the best quality for spring delivery. **Verbena and Coleus Plants** ready for shipment, at \$20.00 per 1000.

—Send for Circulars—

**J. L. DILLON,**

**Bloomsburg, Pa.**

Eugene McCarron, James Hockey, H. R. Bellows, Clarence G. Hartistra, James P. Dillon, Owen McManus, H. Howard Pepper, Alexander Macrea, Michael Sweeney, William H. Barrows and Sheldon Davis.

N. D. Purce of Norwood, William Creation of Pawtucket avenue and Machanicutt Park Nursery Co., Cranston, all report business very good, 50 per cent better than last year. They are driven up very much, owing to the advanced state of all trees and shrubs. This stock is four weeks further advanced than any time in 30 years at this season of the year.

Mrs. John A. Macrea on Wednesday entertained the Women's Federation Club of Rhode Island with a pink tea at her home, 1046 Smith street. The decorations were very elaborate and the colors used were pink, both in cut flowers and lights.

The seed and supply stores of Walter S. Pino, Potter's Seed Store and the W. E. Barrett Co. all report an excellent business in all lines of seeds, bulbs for spring planting, shrubs and all kinds of implements connected with the garden.

There seems to be a scarcity of greenhouse, forestry and landscape help, as in all the daily papers here advertisements for such help can be seen every day. This is a good indication of the prosperous condition of the business.

Johnston Bros. had two very extensive decorations at Brown University and used several thousand carnations and several carloads of decorative plants.

Hall & Lyons Co., a large department store, gave away 3,000 roses on Saturday, April 23, as souvenirs of the anniversary of its opening in this city.

Noonan Bros. are bringing in a great quantity of first-class pansy plants; they say they have some 50,000 to dispose of yet.

Visitors: Stephen Green, representing Bayersdorfer & Co., New York. Reed & Keller's representative.

M. J. J.

COLLEGE POINT, N. Y.—John Lurk is disposing of his stock and will remove to Lakewood, N. J., where he will engage in farming.

ALEXANDRIA, IND.—H. A. Maximer, formerly of Herkimer, N. Y., and later, the Isle of Pines, has now located here and is again in the flower business.

JEFFERSON CITY, Mo.—Hugo Busch has purchased the Jefferson Floral Co.'s plant of five greenhouses, from W. H. Gundelfinger. The price paid, it is said, was \$7,500.

CARTHAGE, Mo.—Stephen Hyde has started to erect two new greenhouses, each 28x390 feet. One of the houses will be finished in a few weeks, the other some time in the summer.



# Dreer's Hardy Delphiniums

**Belladonna.** The freest flowering of all the Delphiniums and the most valuable for cutting, its beautiful turquoise-blue flowers appeal to all who see it. Plant these early and you will have a continuous display of bloom from June until freezing weather. We offer an exceptionally fine lot of extra heavy one year-old plants, \$2.00 per dozen; \$15.00 per 100; \$125.00 per 1000.

**Dreer's Gold Medal Hybrids.** Unquestionably the finest strain of mixed hybrids ever brought together, being seedlings of one of the best named collections and containing some wonderful varieties. Strong one year old plants, \$1.25 per dozen; \$8.00 per 100; \$75.00 per 1000.

**Formosum.** A splendid strain of this popular favorite dark blue variety, 85 cents per dozen; \$6.00 per 100; \$50.00 per 100.

**Chinese Blue and White.** 75 cents per dozen; \$5.00 per 100.

## CHOICE NAMED HYBRID VARIETIES.

**Alfred Henderson.** Bold, massive spikes of semi-double rosy-lavender flowers, 2 inches across, white eye. 20 cents each; \$2.00 per dozen; \$15.00 per 1000.

**Cerberus.** Sapphire with black brown centre, a handsome spike. 35 cents each; \$3.50 per dozen.

**Duke of Connaught.** Rich, Oxford blue with distinct bold white eye; fine large flowers, 25 cents each; \$2.50 per dozen; \$20.00 per 100.

**J. C. Jenkins.** Very large, semi-double bright mauve edged with royal blue and white eye, 25 cents each; \$2.50 per dozen; \$20.00 per 100.

**Lemartin.** Similar in growth and habit to Belladonna, but with rich Gentian-blue flowers with white center. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

**Perisimmon.** Comparatively new; beautiful delicate turquoise-blue. 50 cents each; \$5.00 per dozen.

## VINCA MINOR.

### Periwinkle or Trailing Myrtle.

This common but very useful plant for carpeting the ground is always difficult to procure in quantity in really first class stock. We have therefore, prepared, during the past season a large stock of plants which we offer in strong undivided field grown clumps, at \$6.00 per 100 or \$50.00 per 1000.

## HARDY PHLOX.

All the standard varieties in strong one year-old field-grown plants now in 3-inch pots, in prime condition to make a good display this summer, \$5.00 per 100, \$40.00 per 1000.

For the most complete list of Hardy Perennial Plants offered in America see our current Wholesale List.

# Henry A. Dreer, Inc.

714 Chestnut St., PHILADELPHIA, PA.

The above prices are intended for the trade only.



DELPHINIUM BELLADONNA.

## Pittsburg.

### CARNATIONS SCARCE.

This city is known as one partial to carnations, and a scarcity of this flower is felt very much indeed. The continued dark weather has kept the flowers back so much that there has not been a day when there was half enough to go around, and it probably will not be until after Mothers' day that we will have enough of these. Roses are quite plentiful and with a little more sunshine there will probably be a glut. The market is pretty well crowded with Beauties, but they are holding up nicely. Lilies continue to arrive in such quantities that many of them are either sold for very small prices or else thrown away altogether. Sweet peas and valley clean up daily at nice prices. Cattleys are again plentiful, but keep their price. Miniature gladioli have made their appearance and are well liked. Smilax sells at sight, but same cannot be said of Asparagus Sprengeri and A. plumosus.

### NOTES.

The Florists' Club met May 3 at the Fort Pitt hotel, where the private gardeners had a display for prizes of foliage plants and ferns. The subject for the evening was "Seasonable Flowers."

Very fine Beauties in all lengths are seen at the McCallum Co., also fancy Kaiserin and Killarney roses, grown for summer cutting.

J. B. Murdoch & Co. are now settled in their new quarters on Ninth street. This concern is handling a nice lot of carnations.

# Maids and Brides

## One Year Old Grafted Bench Plants

Fine plants for out-door planting or replanting in the benches, cut back to about 18-inches; per 100, \$5.00.

## Carnation O. P. Bassett

From soil. R. C., \$6.00 per 100.

# Bassett & Washburn,

Office and Store,  
76 Wabash Ave., CHICAGO  
Greenhouses, Hinsdale, Ill.

Thos. Malbranc, Johnstown, stopped here on his way to Chicago, where he is purchasing material for several new houses.

Fred Burki, who is confined to his bed with rheumatism, is not reported any better.

The store of Fritz Ueberle was closed by the sheriff Saturday, April 30.

Spanish iris is in evidence at the Pittsburg Cut Flower Co.

A. W. Smith, Jr., is back from his eastern jaunt.

Visitors: Martin Reukauf, Philadelphia; S. Ford, New York; Mr. Sterns, Sefton Box Co., Chicago; T. Fitzgerald and daughter, Beaver.

J.

ARLINGTON, N. Y.—William Bock has completed a new greenhouse, 28x200 feet.

## GOOD, CLEAN, HEALTHY 2-inch Stock

We have the following in surplus stock, a few thousand to dispose of:

| ROSES                     | Per 100 | Per 1000 |
|---------------------------|---------|----------|
| Maid and Bride.....       | \$3.00  | \$20.00  |
| Mrs. Jardine.....         | 4.00    | 35.00    |
| Bench Richmond.....       | 4.00    | 30.00    |
| Bench Bride and Maid..... | 4.00    | 30.00    |

# J. A. Budlong,

37-39 Randolph Street, CHICAGO.

Mention the American Florist when writing



# Geraniums

## ROOTED CUTTINGS

Ricard, Poitevine and S. A. Nutt, ready May 15th.  
at \$10.00 per 1000.

## PLUMOSUS

Fine stock from rose pots at \$25.00 per 1000.  
Sample for 10c.

## Smilax and Sprengeri

Ready June 1st.

Smilax ..... \$12.50 per 1000  
Sprengeri ..... 15.00 per 1000

ALBERT M. HERR,

Lancaster, Pa.

# PANSIES

\$2.00 per 1000, to  
close out.

Swainsonia alba, 2-in., 2c; Feverfew, double  
white, small plants, 75c. \$6.00 per 1000; Sweet Wil-  
liams, \$3.00 per 1000; Asters, white \$3.00 per 1000;  
Feverfew, 2-in., 2c; Dusty Miller, 2-in., 1½c;  
Petunias, double, 2-in., 2c; Alternantheras, red  
and yellow, 2-in., 2c.

ROOTED CUTTINGS, prepaid: Heliotrope, \$1.00  
per 100; Paris Daisy, yellow, white, \$1.00 per 100;  
Cupheas, 75c per 100; Vinca Variegata, 90c per 100,  
\$3.00 per 1000, extra fine; Coleus, 10 kinds, 60c per  
100, \$5.00 per 1000; Alternanthera, 3 kinds, 50c per  
100, \$4.50 per 1000; Ageratum, 3 kinds, 60c per 100;  
Swainsona alba, \$1.00 per 100; Dbl. Petunias,  
10 kinds, \$1.00. Cash with order.

BYER BROS.,

Chambersburg, Pa.

# A New Fern NEPHROLEPIS GIATRASH

Awarded a Certificate of  
Merit by the Horticultural  
Society of New York.

Prices: In 2¼-inch pots, \$3.50 per  
dozen; \$25.00 per 100; \$200.00 per 1000.  
25 plants at 100 rates; 500 plants at 1000  
rates. Orders delivered in rotation as  
received. Now Ready for delivery,

GEORGE GIATRASH,  
463 Summit Ave., West Hoboken, N. J.

Baltimore.

The variations of temperature with-  
in the past week probably makes a  
record so far as the memory of the  
oldest resident goes. On Friday morn-  
ing the mercury was perilously near  
the freezing point, and on Saturday  
it had climbed to 93°, a difference of  
almost 60 degrees in little more than  
24 hours. Since then it has dropped to  
a more normal and reasonable  
figure. Business is not encouraging.  
The production of roses and carnations  
appears to be overdone and there is  
no outlet at times for the excessive  
stock coming upon the market. From  
now on, however, it looks as though  
the quantity would diminish, but the  
demand diminishes in about the same,  
or in larger proportion.

The nurseries have had an encour-  
aging season, and great quantities of  
stock have been sold. During the pe-  
riod of extreme drought which marked  
the earlier spring months operations  
were a good deal retarded, but latterly  
all conditions are favorable. The  
great suburban development, which  
includes planting of a great number of  
shade trees on public avenues, the  
beautifying of innumerable new  
places, the setting out of orchards,  
which is being done extensively in  
every direction, have made things very  
lively and agreeable to the nursery-  
men. The embellishment of city lots  
and back yards and the use of win-

# Florists' 'Mums

## EARLY

|                                        | From Pots. |         | Rooted Cuttings. |         |
|----------------------------------------|------------|---------|------------------|---------|
|                                        | 100        | 1000    | 100              | 1000    |
| Gloria (New)—Enchantress Pink .....    | \$1 00     | \$30 00 | 3 00             | \$25 00 |
| Golden Glow—Earliest yellow .....      | 3 00       | 25 00   | 2 00             | 15 00   |
| Indiana (New)—A white Appleton .....   | 6 00       |         | 4 00             |         |
| Ivory—Dwarf white .....                | 3 00       | 25 00   | 2 50             | 20 00   |
| Monrovia—Bright yellow .....           | 3 00       | 25 00   | 2 50             | 20 00   |
| October Frost—Best early white .....   | 3 00       | 25 00   | 2 50             | 20 00   |
| Pacific Supreme—Improved Pacific ..... | 3 00       | 25 00   | 2 50             | 20 00   |
| Roserie—Dark pink .....                | 3 00       | 25 00   | 2 50             | 20 00   |

## MIDSEASON

|                                               |      |       |      |       |
|-----------------------------------------------|------|-------|------|-------|
| Col. D. Appleton—Incurved yellow .....        | 3 00 | 25 00 | 2 00 | 15 00 |
| Crocus—Light yellow .....                     | 3 00 | 25 00 | 2 00 | 15 00 |
| Mrs. W. E. Kelley—Late midseason yellow ..... | 6 00 | 50 00 | 5 00 | 40 00 |
| Major Bonnaffon—Incurved yellow .....         | 3 00 | 25 00 | 2 00 | 15 00 |
| Pres. Roosevelt—Incurved light pink .....     | 4 00 | 35 00 | 3 00 | 25 00 |

## LATE

|                                           |      |       |      |       |
|-------------------------------------------|------|-------|------|-------|
| Golden Eagle—Incurved bright yellow ..... | 4 00 | 30 00 | 3 00 | 25 00 |
| Mlle. Jeanne Nonin—Incurved white .....   | 3 00 | 25 00 | 2 00 | 15 00 |

Also a fine line in Exhibition, Pompons and Singles.

ELMER D. SMITH & CO., Adrian, Mich.

# CHRYSANTHEMUMS

Extra Fine Stock of the Following Varieties:

|                           | R. C. per | 2½-in. per |        |
|---------------------------|-----------|------------|--------|
|                           | 100       | 10.0       | 100    |
| <b>WHITE.</b>             |           |            |        |
| Earliest White .....      | \$2.50    | \$20.00    | \$3.00 |
| October Frost .....       | 3.00      | 25.00      | 4.00   |
| Virginia Pochlmann .....  | 3.00      | 25.00      | 4.00   |
| Robinson .....            | 2.50      | 20.00      | 3.00   |
| Clementine Toust .....    | 2.50      | 20.00      | 3.00   |
| Alice Byron .....         | 2.50      | 20.00      | 3.00   |
| Timothy Eaton .....       | 2.50      | 20.00      | 3.00   |
| President Roosevelt ..... | 3.00      | 27.00      | 4.00   |
| White Bonnaffon .....     | 2.50      | 20.00      | 3.00   |
| W. H. Chadwick .....      | 3.00      | 27.00      | 4.00   |
| Merry Christmas .....     | 2.50      | 20.00      | 3.00   |

|                       |      |       |      |
|-----------------------|------|-------|------|
| <b>YELLOW.</b>        |      |       |      |
| Golden Glow .....     | 3.00 |       | 4.00 |
| Monrovia .....        | 2.50 | 20.00 | 3.00 |
| Halliday .....        | 2.50 | 20.00 | 3.00 |
| Col. Appleton .....   | 2.50 | 20.00 | 3.00 |
| Major Bonnaffon ..... | 2.50 | 20.00 | 3.00 |
| Yellow Eaton .....    | 2.50 | 20.00 | 3.00 |
| Golden Wedding .....  | 3.00 | 27.50 | 4.00 |
| Golden Chadwick ..... | 3.00 | 27.50 | 4.00 |
| Chautauqua Gold ..... | 2.50 | 20.00 | 3.00 |

|                     | R. C. per | 2½-in. per |      |
|---------------------|-----------|------------|------|
|                     | 100       | 10.0       | 100  |
| <b>PINK.</b>        |           |            |      |
| Rosiere .....       | 2.50      | 20.00      | 3.00 |
| McNiece .....       | 2.50      | 20.00      | 3.00 |
| Maud Dean .....     | 2.50      | 20.00      | 3.00 |
| Dr. Enguehard ..... | 2.50      | 20.00      | 3.00 |

|                  |      |       |      |
|------------------|------|-------|------|
| <b>RED.</b>      |      |       |      |
| Schrimpton ..... | 3.00 | 20.00 | 3.00 |
| Intensity .....  | 2.50 | 20.00 | 3.00 |

## POMPONS.

|                               |  |               |
|-------------------------------|--|---------------|
| <b>YELLOW.</b>                |  | R. C. per 100 |
| Baby, Klondyke, Zenobia ..... |  | \$2.50        |

|                         |  |      |
|-------------------------|--|------|
| <b>WHITE.</b>           |  |      |
| Lulu, Diana .....       |  | 2.50 |
| Baby Margaret .....     |  | 4.00 |
| Briola, pink .....      |  | 2.50 |
| Mrs. Beau, bronze ..... |  | 2.50 |
| Quinola .....           |  | 3.00 |

## White Killarney, My Maryland, Pink Killarney.

2½-in. plants. Booking orders now for future deliveries. The Right Place | The Right Goods—  
The Right Price—Come and See Them Grow.

|                       | 2½-in. 100 | 1000    |
|-----------------------|------------|---------|
| White Killarney ..... | \$8.50     | \$75.00 |
| Pink Killarney .....  | 6.00       | 55.00   |
| My Maryland .....     | 6.00       | 55.00   |
| Kaiserin .....        | 5.00       | 45.00   |
| Richmond .....        | 5.50       | 50.00   |

|                                                                          | 2½-in. 100 | 1000  |
|--------------------------------------------------------------------------|------------|-------|
| Brides .....                                                             | 5.00       | 45.00 |
| American Beauties .....                                                  | 7.00       | 65.00 |
| 3½-in. sizes will be offered, when ready, at<br>40% increase over 2½-in. |            |       |
| You cannot afford to buy poor stock at 50% less.                         |            |       |

POEHLMANN BROS. CO., Morton Grove, Ill.

# Bench Plants

|                       |         |
|-----------------------|---------|
| American Beauty ..... | 1000    |
| Richmond .....        | \$50.00 |
|                       | 30.00   |

GEORGE REINBERG

51 Wabash Avenue, CHICAGO.

dow and porch boxes filled with plants  
has become quite a contagion, and the  
papers give lists of householders who  
are active in this work and publish  
photo engravings of the boxes and  
jardinieres which are put up, and of  
the transformed lots. There seems in  
this movement a good chance for en-

# SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums  
Carnations for fall delivery. Smilax, Violets  
IN BEST VARIETIES.  
Prices low. Send for list.

Wood Brothers, FISHKILL,  
New York.

larged sales to the florists who have  
appropriate stock for the ends in  
view.

John Donn, on account of im-  
paired health, is offering his place on  
Harford avenue for sale. He is now  
one of the veterans in the trade.

S. B.



# BAY TREES

We have just received four carloads of fine shapely trees in the following sizes:

| Standard or Tree Shaped. |           |         | Dwarf Standards. |              |        |
|--------------------------|-----------|---------|------------------|--------------|--------|
| Stem.                    | Crown.    | Each.   | Total Height.    | Crown.       | Each.  |
| 40-45 in.                | 22-24 in. | \$ 6.50 | 4 to 5 feet.     | 24 to 26 in. | \$7.50 |
| 42-45 in.                | 24 in.    | 6.75    |                  |              |        |
| 45 in.                   | 26 in.    | 7.50    |                  |              |        |
| 45 in.                   | 28 in.    | 8.00    |                  |              |        |
| 45 in.                   | 30 in.    | 10.00   |                  |              |        |
| 45 in.                   | 34 in.    | 12.00   |                  |              |        |
| 45 in.                   | 40 in.    | 15.00   |                  |              |        |

## Pyramid Shaped.

| Base.        | Each.   |
|--------------|---------|
| 24 to 26 in. | \$ 8.00 |
| 26 to 28 in. | 10.00   |
| 28 to 30 in. | 12.00   |

# BOX TREES

## Pyramid Shaped.

| Height.   | Ea.    | Pair.  | Height. | Ea.    | Pair.   |
|-----------|--------|--------|---------|--------|---------|
| 2 ft.     | \$1.50 | \$2.75 | 4 ft.   | \$4.00 | \$ 7.00 |
| 2 1/2 ft. | 2.00   | 3.75   | 5 ft.   | 7.00   | 13.00   |
| 3 ft.     | 2.50   | 4.50   | 6 ft.   | 8.00   | 15.00   |

## Standard or Tree Shaped.

| Crown.       | Each.  | Pair.   |
|--------------|--------|---------|
| 22 to 25 in. | \$4.50 | \$ 8.00 |
| 25 to 32 in. | 5.50   | 10.00   |
| 32 to 34 in. | 7.00   | 12.00   |

The above prices include trees planted in nice

new green tubs. If wanted out of tubs we allow 10 per cent discount.

## Bush Shaped.

| Height.              | Each.  | Doz.   | 100    |
|----------------------|--------|--------|--------|
| 10 to 12 in.         | \$0.30 | \$3.00 | \$0.00 |
| 12 to 15 in.         | .35    | 3.50   | 25.00  |
| 15 to 18 in., light. | .40    | 4.00   | 30.00  |
| 15 to 18 in., heavy. | .45    | 4.50   | 35.00  |
| 20 to 24 in.         | .75    | 8.00   |        |
| 24 in.               | 1.00   | 10.00  |        |

# ROSES,

2 year old, dormant—budded.

|                   | Doz.   | 100     |                         | Doz.   | 100     |
|-------------------|--------|---------|-------------------------|--------|---------|
| American Beauty.  | \$2.00 | \$15.00 | Mrs. R. G. S. Crawford. | \$2.00 | \$15.00 |
| Gen. Jacqueminot. | 1.75   | 14.00   | Mme. Gabriel Luizet.    | 1.75   | 14.00   |
| Hugh Dickson.     | 2.50   | 20.00   | Gen. Washington.        | 2.00   | 15.00   |
| Mrs. John Laing.  | 1.75   | 14.00   | Magna Charta.           | \$1.75 | \$14.00 |
|                   |        |         | John Hopper.            | 1.75   | 14.00   |
|                   |        |         | Paul Neyron.            | 2.00   | 15.00   |
|                   |        |         | Perle des Blanches.     | 1.75   | 14.00   |

Standard Bay.

Pyramid Box.

VAUGHAN'S SEED STORE,

Western Springs, Ill.

## Chrysanthemum Cuttings

Now booking orders for early delivery.

| WHITE         | Per 100 | 1000    |
|---------------|---------|---------|
| Oct. Frost.   | \$2.00  | \$15.00 |
| Kalb.         | 2.00    | 15.00   |
| V. Poehlmann. | 2.50    | 20.00   |
| Touset.       | 2.00    | 15.00   |
| A. Byron.     | 2.00    | 15.00   |
| Wanamaker.    | 2.00    | 15.00   |
| White Cloud.  | 2.00    | 15.00   |
| T. Eaton.     | 2.50    | 20.00   |
| Chadwick.     | 2.50    | 20.00   |
| Nonin.        | 2.00    | 15.00   |

| PINK       | Per 100 | 1000  |
|------------|---------|-------|
| Balfour.   | 2.00    | 15.00 |
| Enguehard. | 2.00    | 15.00 |

| YELLOW           | Per 100 | 1000  |
|------------------|---------|-------|
| Golden Glow.     | 2.00    | 15.00 |
| Monrovia.        | 2.00    | 15.00 |
| Oct. Sunshine.   | 2.00    | 15.00 |
| Appleton.        | 2.00    | 15.00 |
| Y. Eaton.        | 2.50    | 20.00 |
| Golden Chadwick. | 3.00    | 25.00 |
| Halliday.        | 2.00    | 15.00 |
| Bonnaffon.       | 2.00    | 15.00 |

## Rooted Carnation Cuttings

For immediate delivery.

|                        | Per 100 | 1000    |
|------------------------|---------|---------|
| White Enchantress.     | \$3.00  | \$25.00 |
| Rose Pink Enchantress. | 2.50    | 20.00   |

J. D. THOMPSON CARNATION CO.,  
JOLIET, ILL.

## A. N. PIERSON, Inc.

CROMWELL, CONN.

## Grafted and Own Root Roses

|                                             | Per doz. | Per 100 | Per 1000 |
|---------------------------------------------|----------|---------|----------|
| White Killarney (Waban strain), grafted     | \$2.00   | \$15.00 | \$120.00 |
| Own root                                    | 1.50     | 8.00    | 75.00    |
| Killarney, grafted                          | 2.00     | 15.00   | 120.00   |
| My Maryland, grafted                        | 2.00     | 15.00   | 120.00   |
| Own root                                    | 1.00     | 6.00    | 50.00    |
| Richmond, Kaiserin, Bride and Maid, grafted | 2.00     | 15.00   | 120.00   |
| Own root                                    | 1.00     | 5.00    | 45.00    |

**Chrysanthemums** The best of the new ones and the best of the standards. Commercial varieties exclusively. We are booking orders for both rooted cuttings and plants from pots for present delivery.

**Our Catalogue** Contains the Carnation and Chrysanthemum lists. It includes our Rose list and the bedding stock. You need our catalogue. If you haven't received one, send for it. We can handle your order, whether it is large or small.

**For Fuller List of Plants** which we have to offer, see our full page advertisement in THE AMERICAN FLORIST of March 26th.

## Trade Directory

OF THE

United States and Canada

Price \$3.00 Postpaid.

American Florist Co.,

324 Dearborn St., CHICAGO.

## Snow-White Sport of Helen Frick Chrysanthemum

From 2 1/4-inch pots \$10.00 per 100.  
Rooted cuttings, \$8.00 per 100.  
Unrooted cuttings, \$5.00 per 100.

HENRY EICHHOLZ, Waynesboro, Pa.  
Mention the American Florist when writing

## ASTERS and DAHLIAS.

**ASTERS.** Vick's Early and Late Branching, select colors, strong transplanted plants, 2-in., \$2.00 per 100; \$18.50 per 1000.

**Dahlia Plants.** from 2-in., at \$2.00 per 100 up. For \$18.50 cash we will send 1000, 50 each of 20 distinct varieties, including Show, Decorative and Cactus.

R. VINCENT Jr., & SONS CO., White Marsh, Md.  
Mention the American Florist when writing

## JOSEPH BEACOCK CO.

WYNCOTE, PA.

Growers of Fine Kentias

Send for Price List.

Mention the American Florist when writing

## ASPARAGUS PLUMOSUS

2-year clumps, 15c; 2-inch pots, strong.  
\$2.25 per 100; \$20.00 per 1000.

**IMPATIENS** in variety, strong, 2-inch, 3c.  
**BRIDESMAID ROSES,** 2 inch pots, 2 1/2c.

W. W. Coles, Kokomo, Ind.  
Mention the American Florist when writing



## Bargains In Pot-Grown Plants

Ready for Market at Once.

**AGERATUM**, Blue or White, 2½-in. pots, strong plants \$2.00 per 100; Rooted Cuttings, 75c per 100.

**ALYSSUM**, Large Giant or Little Gem, 2½-in., \$2.00 per 100.

**BEGONIAS**, Flowering, 8 fine varieties, 4-in., in bloom \$10.00 per 100.

**CANNAS**, Large Flowering, any color, 20,000 from 4-in. pots, fine stock, \$5.00 per 100.

**COLEUS**, Golden Bedder, Verschaffeltii, or decorative varieties from 2½ in. pots, \$2.50 per 100.

**FUCHSIAS**, Storm King, Little Beauty, or 8 varieties mixed, in bloom 4 in., \$8.10 per 100.

**FUNKIAS**, variegated (Day Lily) \$5.00 per 100.

**GERANIUMS**, 30,000 from 4 in. pots, fine plants, in bloom of 10 Standard Varieties, \$7.00 per 100.

**HELIOTROPE**, 4-in., 3 kinds, fine plants, \$8.00 per 100.

**MARGUERITES**, 4-in., in bloom, \$5.00 per 100.

**PANSIES**, Fine Varieties Mixed, transplanted plants \$1.25 per 100.

**HARDY PHLOX**, of 5 leading varieties, field-grown clumps, \$4.10 per 100.

**PRIMULA OBCONICA**, fine plants, full of bloom, mixed colors 4 in., \$5.00 per 100.

**SALVIA**, Bonfire, strong plants, from 2½-in. pots, \$2.50 per 100; 3-in., \$3.00 per 100.

**SMILAX**, large plants from 2½-in. pots, \$2.00 per 100.

**VERBENAS**, Fine Mixed Colors in bud and bloom, 2½-in. pots, \$2.00 per 100.

**CABBAGE and TOMATO PLANTS**, \$2.00 per 1000 any varieties.

**TOMATO PLANTS**, extra large transplanted, \$1.00 per 100.

**LETTUCE PLANTS**, 5 kinds, \$1.25 per 1000.

**BET PLANTS**, \$1.25 per 1000.

**PEPPER PLANTS**, 6 kinds, \$7.50 per 1000.

Also all other kinds of Vegetable Plants by the thousand.

Write me for special prices. All plants only. Liberal count given to help pay the express. Try them.

**ALONZO J. BRYAN**

Wholesale Florist, Washington, New Jersey

## ROSES

We have the following young roses to offer:

|                        |                  |
|------------------------|------------------|
| 1500 American Beauties | 800 Cardinal     |
| 250 Richmond           | 600 Chateaux     |
| 9500 Brades            | 200 Wootton      |
| 6500 Maids             | 1250 Golden Gate |
| 1250 Uncle John        | 1000 Killarney   |
| 1000 Kaiserin          | 350 Maryland     |
| 500 La France          | 500 Perle        |
| 900 Ivory              | 200 Palmer       |

10,000 Asters, flats... \$1.50 per 100; \$12.50 per 1000

2-in.... 2.50 per 100; 20.00 per 1000

20,000 Coleus, R.C.... .60 per 100; 5.00 per 1000

2-in.... 2.50 per 100; 20.00 per 1000

5,000 Cannas ..... 3 in., \$5.00; 4 in., \$ 8.00

1,500 King Humberts... 3 in., 8.00; 4 in., 12.50

15,000 Geraniums, red, white, pink and salmon... 2½-in., \$3.50; 3-in., \$5.00; 4 in., \$8.00

10,000 Chrysanthemums, 2½-in. ready, also R.C.

Ask for our Soft Wooded List.

**Bulb Stock**—Cannas, Caladiums, Tuberous-rooted Begonias, Dahlias, etc., etc.

**GEO. A. KUHL**, Wholesale Grower, Pekin, Ill.

Plainfield, N. J.

Chas. L. Stanley conducts a very prosperous cut flower and seed establishment. His store is admirably equipped for business and his large area of glass enables him to supply on short notice anything that his customers and retailers call for.

Carl Peterson, the veteran florist of 217 Watchung avenue, reports good spring business. Everything about his greenhouses shows evidence of careful attention to detail, which goes far toward success.

At the A. E. Lincoln store good and quick service is noticeable. There are few cities in the country that, in proportion, have such an efficient lot of florists as this.

Mrs. L. J. Denton is one of the pioneers. Her store is always well stocked with the best flowers.

## LOOK BARGAINS IN Bedding Plants

For Immediate Shipment.

NOW READY.

Godfrey Aschmann, the busy bee, is more active than ever. Come and look at what he and his sons and employees have done in four weeks' time. Inspect it yourself, judge it yourself, and you will say "Is it possible?" Ten greenhouses and equally as many frames are filled with choice bedding plants of all descriptions.

**Cannas**, Eisele (best improved dark foliage) 4-in. .... Per 100 \$8.00

**English Ivy**, 4-in. .... 10.00

**Begonia Erfordii**, our well known improved strain, 4-in. (5,000 now ready) ..... 8.00

**Begonia Vernon**, dark red, latest improved strain from Switzerland, 4 in ..... 7.00

**Lemon Verbenas**, 4 in. .... 7.00

**Scarlet Sage**, Clara Bedman or Bonfire, 4-in. 7.00

**Ageratum**, dwarf, best blue, 4-in. .... 7.00

**Fuchsias**, assorted colors, 4-in. .... 7.00

**Double Petunias**, assorted, 4 in. .... 7.00

**Lantanas**, assorted, 4-in. .... 7.00

**Geraniums**, 4 in. pots, best double white, pink and red. .... 7.00

**Crimson Rambler Roses**, 7-8 in. pots ..... 75c, \$1.00, \$1.25 to \$1.50 each

**Cobea Scandens**, 4 in. .... 10c each

**Hydrangea Otakisa**, 5½-6-7 in. pots in bud ..... 35c 50c 75c each

**Primula Obconica**, 5-in., blue, in bloom ..... \$2.00 per doz.

**Dracena Indivisa**, 5 to 5½ in. pots ..... 25c each

**Kentia Forsieriana**, 6 to 7 in., 40 to 50 in. high and over ..... \$2.00, \$2.50 to \$3.00 each

**Kentia Belmoreana**, 4-in., 20c; 3-in. .... 10c each

**Begonia Flambeau**, 6 in. .... 25c each



In small plants we have the following in 2½ to 3-in. pots, at \$3.00 per 100:

**Verbenas**, assorted colors: **Phlox Drummondii**, dwarf and grandiflora; French dwarf **Tagetes** (the queen of the Marigolds); **Cosmos**, red, white and pink (assorted or mixed); **Coleus**, Verschaffeltii, Golden Bedder, Queen Victoria (fancy colors 4c); **Petunias**, California Giant, Inimitable, Dwarf and Rosy Morn; **Sweet Alyssum**, Carpet of Snow or Little Gem; **Tradescantia**, two colors; **Thunbergia**, or Black Eyed Susan; **Salpiglossis**; **Lobelia**, Crystal Palace, blue, dwarf and trailing; **Cornflowers** (assorted); **Dusty Miller**; **Centaurea Gymnocarpa**; **Parlor Ivy**.

Don't forget that we are the growers and shippers of **Ipomoea Noctiflorum**, the pure white Moonvine with flowers as big as a saucer, very fragrant and the earliest Moonvine in existence, for which we have a world-wide reputation for the past twenty-five years: grows 50 feet and over in one season; over 25,000 are shipped every spring all over America south, north, west and east. Mexico and Cuba: 2½-in. pots, \$5.00 per 100; 3-in., \$8.00 per 100; 4 in., \$12.00 per 100.

Cash with order, please. All plants, 25 at 100 rate. All plants must travel at purchaser's risk only. Watch for our adv. of **Araucarias** about May 10.

## GODFREY ASCHMANN

Wholesale Grower and Importer of Potted Plants, 1012 West Ontario St., PHILADELPHIA, PA

## PALMS, FERNS AND Decorative Plants

**JOHN SCOTT**, Rutland Rd. & E. 45th St. BROOKLYN, N. Y.

## Roses in Plenty

on own roots, summer grown, winter rested.

See column adv., page 650, April 23.

THE LEEDLE FLORAL COMPANY, SPRINGFIELD, OHIO.

## Ferns for Dishes...

Assorted varieties, 2½-in. pots, \$3.50 per 100; \$30.00 per 1000. Cash with order.

**FRANK OECHSLIN**

4011 Quincy St. CHICAGO.

Elizabeth, N. J.

Mrs. Hutchinson's retail store is one of the attractive features of the business section of the city. Much of her stock comes from the leading wholesalers of New York.

Hiram T. Jones has been shipping heavily in nursery stock. A noteworthy feature of this place is the careful manner of preparing stock for shipment.

The Elizabeth Nursery Co. has been doing a heavy business during the past month.

## Pansy Plants

Large stocky plants in bud and bloom, the very best strain at \$1.25 per 100, \$10.00 per 1000; smaller plants \$2.00 per 1000.

**Stocks**, **Dusty Miller**, **Verbenas**, **Phlox**, **Alyssum**, **Heliotrope**, **Ageratums**, **Mme. Sallerol Geraniums**, **Asp. Sprengeri** and **Scarlet Sage**, fine plants out of 2½-in. pots, \$2.00 per 100; 300 for \$5.00; \$15.00 per 1000.

**Cabbage Plants** for field, \$1.25 per 1000.

**J. C. SCHMIDT**, Bristol, Pa.

## Robert Craig Co..

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

## Rooted Cuttings

|                           |        |                           |         |
|---------------------------|--------|---------------------------|---------|
| Per 100                   | 1000   | Per 100                   | 1000    |
| <b>Heliotropes</b> \$1.00 | \$8.00 | <b>Petunias</b> \$1.25    | \$10.00 |
| <b>Daisies</b> , white    |        | <b>Salvias</b> 1.00       | 8.00    |
| and yellow 1.00           |        | <b>Alyssum</b> , dbl. .80 |         |
| <b>Coleus</b> .70         | 6.00   | <b>Ageratums</b> .60      | 5.00    |

Express paid on rooted cuttings.

**S. D. BRANT**, Clay Center, Kans.

Henry Leahy is doing a fine business in seeds, plants and nursery stock.

**GLOVERSVILLE, N. Y.**—Thomas Barson is building a greenhouse on N. Perry street. The Lord & Burham Co. is doing the work.



# Orchids

CATTLEYAS  
**TRIANAE**  
**LABIATA**  
**MOSSIAE**  
**GASKELLIANA**

DENDROBIIUM  
**CHRYSOXUM**  
**DENSIFLORUM**  
**WARDIANUM**  
**NOBILE**

**Vanda Coerulea**  
**G. L. FREEMAN CO.**  
 Fall River, Mass.

## TRADE LIST

**Funkia**, variegata, strong plants, 4½-in. pots, \$1.00 per dozen.

**Clematis**, large flowering varieties, 2-year-old plants; Jackmanii, Henryi, Mme. Veillard, \$3.00 per dozen.

**Clematis**, paniculata, strong plants, \$10.00 per 100; 3-in. pots, \$5.00 per 100.

**Dracena Indivisa** 4-inch pots, \$10.00 per 100.

**Passiflora coerulea**, 3-in. pots \$5.00 per 100.

**Pfordsii**, 4-in. pots, \$1.00 per dozen.

Plants from 2½-in. pots, \$3.10 per 100; **Achyranthes**, **Lobelias**, double and single blue; **Parlor Ivy**, **Vinca** variegata; **Ageratum**, blue; **Coleus**, **Verschaffeltii**, **Golden Bedder**, **Queen Victoria**, **Quadriflor**, **Alysum**, **Carpet of Snow**; **Golden Feather**; **Impatiens**, **Holstii**; **Swainsona alba**; **Alternantheras**, 4 varieties; **Petunias**, **Star and Rosy Morn**.

**Stock** from 3-in. pots, \$4.00 per 100. **Geraniums**, **Rose**, and **Nutmeg**; **Lantana**, **Le Naine**; **Feverfew**, **The Gem**; **Ivy**, **Hardy English**; **Honeysuckle**, **Woodbine** and **Haleana** 4 in. pots, \$1.50 per doz.

**Carnation Napoleon III**. Best hardy ever-blooming, crimson flowers, 2½-in. pots, \$3.00 per 100.

**Asparagus Sprengeri**, 2-in. pots, \$2.00 per 100; 2½ in. pots, \$3.00 per 100.

**SEEDLINGS** from flats 50c per 100: **Asparagus Sprengeri**, **Dracena Indivisa**.

**Clematis vitalba**, strong transplanted seedlings, \$1.00 per 100, \$8.00 per 1000. This is one of the fastest growing vines, covered with long sprays of sweet scented white flowers the whole summer.

**C. EISELE,**

11th and Westmoreland Sts. Philadelphia, Pa.

## Mr. Florist:

Do you grow 'Mums, and do you still grow Ivory for your home trade? If so, how would you like a **Yellow Ivory**? I have it. It's a true sport exactly like its parent in all but color.

I can quote you immediate delivery on 2½-inch pot plants at \$2.00 per dozen; \$15.00 per 100; \$125.00 per 1000.

**CHARLES H. TOTTY,**

MADISON, N. J.

**Rooted Cannas** Allemania, Pennsylvania, Kate Gray, \$2.50 per 100. Per 1000 \$25.00.  
**Vinca Var.**, 2½, 3, 4 in. \$3.00 \$5.00 \$9.00  
**Asparagus Robustus** 3-in. 5.00  
**" Sprengeri**, 3-in. 5.00  
**Smilax**, 2½ in. 3.00  
**Lobelia**, Bedding Queen and Speciosa, 2-in. 2.00  
**Verbena**, seedlings in bloom, 2-in. 2.50  
**Alysum**, Little Gem, 2-in. 2.50  
**" Double** 2 in. 2.50  
**Coleus**, 10 vars., 2, 3 in., \$2.00 3.0  
**Petunias**, single large, in bloom, 2, 3 in. 2.00 3.00  
**WEST END GREENHOUSES,**  
 Hans Schmalz, Prop. Lincoln, Ill.

## Grafted Rose Stock

Killarney, White Killarney, Bride, Bridesmaid  
 and My Maryland,

2½-in. stock, \$15.00 per 100; \$125.00 per 1000.

**CHARLES H. TOTTY,**

Madison, N. J.

## Geraniums Coleus

100 1000  
 8 varieties, my selection, 2½-in. pots, \$3.00 \$25.00  
 8 varieties, 3-in. pots, 4.00  
**Asp. Sprengeri** seedlings 1.00 7.00  
**Asp. Sprengeri**, 2½-in. pots, 2.00

100  
 10 varieties 2½-in. pots, 2.00  
**Double Petunias**, Seedlings, 2.50  
 10 varieties of **Caenas**, 3½ in. pots, 4.00  
 400 **Asp. Plumosus**, 2½-in pots, 2.00  
**Alternantheras**, red and yellow, 2.00

—Cash, No C. O. D.—

**JOS. H. CUNNINGHAM,** Delaware, O.

## ORCHID PEAT, (Osmunda Fibre)

Finest quality, hand cleaned, free from sticks and dirt.  
 In chunks or handpicked ready for use.

Also **Rotted and Azalea Peats**, **Leaf Mold**, **Live or Baled Sphagnum Moss**.

Prices and samples on application.

**THE C. W. BROWNELL CO.,**

WALDEN, N. Y.

## ORCHIDS

### Cattleya Trianae

An immense quantity of this most popular orchid received in fine condition, we offer them until sold at \$40.00 per case,

Also to hand

**C. Gaskelliana**, **Oncidium Varicosum**, **Rogersii**, **O. Crispum**, **Laelias**, **Miltonias**, etc.

All other varieties to follow.

**LAGER & HURRELL**

Summit, N. J.

## ORCHIDS...

Largest Importers, Exporters, Growers,  
 and Hybridists in the World.

**SANDER,** St. Albans, Eng.

NEW YORK OFFICE:  
 Room 1, 235 Broadway.

T. MELLSTROM,  
 Agent.

## A FEW GOOD THINGS YOU WANT.

**Rex Begonia**, 2-in. \$5.00 per 100.  
**Asparagus Sprengeri**, 3-in. \$5.00 per 100  
**Geraniums**, Nutt., Doyle, Perkins, Grant, La Favorite, R. C. \$1.25; 2-in. pots, \$2.00; 3-in. \$4.00 per 100; **Viaud**, **Castellane**, **Poitevine**, **Jaulin**, **Ricard**, **Buchner**, R. C., \$1.50; 2-in. pots, \$2.50; 3-in., \$5.00 per 100; **Mme. Sallerol**, 2-in., \$3.00 per 100  
**Asparagus Plumosus**, 2-in. \$3.00 per 100; 3-in., \$5.00 per 100. Cut fronds 25c per bunch.  
**Boston Ferns**, 5-in 25c each, **Whitman Ferns**, 4 in. 25c each.  
**Vinca Var.**, 2-in. \$2.00 per 100.  
**Dracena Ind.**, 3-in., \$5.00; 4-in., \$10.00 per 100.  
**Coleus** and **Alternanthera**, red and yellow; **Verbenas**, **Heliotrope**, **Cigar Plant**, **Scarlet Sage**, **Zurich**, always in bloom, 2-in., \$2.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order  
**GEO. M. EMMANS,** Newton, N. J.

## Orchids..

We have changed our domicile from Secaucus, N. J., to Mamaroneck, N. Y. We are largest collectors and importers of Orchids and are now booking orders for all the commercial Cattleyas for delivery next spring

**CARRILLO & BALDWIN,** Mamaroneck, N. Y.

IF YOU SAW IT IN  
**THE FLORIST**  
 SAY SO IN YOUR NEXT ORDER.



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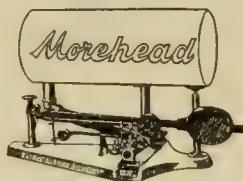
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Alternantheras, red and yellow, \$2 per 100. Jos. H. Cunningham, Delaware, O.

Alternantheras, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

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Alyssum, giant and dwarf, strong, 2½-in., \$2 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

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Asters, white, \$3 per 1,000. Byer Bros., Chambersburg, Pa.

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Aucubas. Bobbink & Atkins, Rutherford, N. J.

## AZALEAS.

Azaleas. Jacs Smits, Naarden, Holland.

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Bay trees. For prices and sizes, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

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Bedding plants. Cannas, 4-in., \$8 per 100. English ivy, 4-in., \$10. Begonia Erfordi, 4-in., \$8; Vernon, 4-in., \$7. Lemon Verbenas, 4-in., \$7. Scarlet Sage, 4-in., \$7. Ageratum, 4-in., \$7. Fuchsias, 4-in., \$7. Dbl. petunias, 4-in., \$7. Lantanas, 4-in., \$7. Primula obconica, 5-in., \$2 per doz. Dracena indivisa, 5 and 5½-in., 25c each. Begonia Flambeau, 6-in., 25c. Plants 2½ and 3-in.: Verbenas, phlox, cosmos, coleus, petunias, sweet alyssum, tradescantia, thunbergia, lobelia, cornflowers, Centaurea Gym., Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

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Box trees, all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

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Carnations, Wood Bros., Fishkill, N. Y.

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Hardy chrysanthemums, 2-in., \$2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Chrysanthemums. For varieties and prices see advertisement on page 740. Elmer D. Smith & Co., Adrian, Mich.

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Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

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Cineraria, Maritima Can., 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Cinerarias, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

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Cyclamens, finest stock, in separate colors, 3½-in. pots, \$10 per 100. Julius Roehrs Co., Rutherford, N. J.

### DAHLIAS.

Dahlias, six novelties of special merit, Corona, Charles Clayton, W. K. Jewett, Manitou, Princess Yefie, The Baron, other novelties and the best standard varieties. The best is the cheapest. Prices reasonable and fair dealing guaranteed. Hollyhocks and other hardy plants. Catalogue, W. W. Wilmore, Box 382, Denver, Colo.

Dahlia roots, mixed to color, \$4 per 100; \$35 per 1,000. Jack Rose, Sensation, Fringed 20th Century, Beauty, Gladys, Rose Pink Century, Big Chief, \$3.50 per doz.; \$25 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

DAHLIAS, large field-grown clumps, Black Beauty, \$3.50 per 100. Nymphaea, Earl of Pembroke, \$4.50 per 100. Mixed of best varieties, \$2.50 per 100; \$20 per 1,000. Wagner Park Conservatories, Sidney, O.

Dahlias, Black Beauty, Elegante, \$3 per 100; Arabella, Earl of Pembroke, \$4 per 100; field-grown, undivided roots. Order today. Wagner Park Conservatories, Sidney, Ohio.

Dahlias, Pape & Bergmann, Quedlinburg, Germany.

### DAISIES.

Daisies, \$2 per 1,000. J. C. Schmidt, Bristol, Pa.

### DRACENAS.

Dracena indivisa, from 2½-in. pots; pot bound, \$3.50 per 100. Calla lilies, in 6-in. pots, \$12 per 100. Frank J. Reppa, 19 N. Vermont St., Brooklyn, N. Y.

Dracena indivisa, 4-in., \$10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Dracena indivisa, 1-year, strong, bench grown, transplanted in Sept., \$1.50 per 100; \$12 per 1,000. Cash. E. Fryer, Johnstown, Pa.

Dracena indivisa, perfect specimens, 30 to 36 ins. high, 5-in. pots, 25c each. John Irvine & Sons, Bay City, Mich.

Dracena indivisa, 5 and 6-in., 30c and 50c each. John E. Sten, Red Wing, Minn.

Dracenas. Bobbink & Atkins, Rutherford, N. J.

Dracena indivisa, 4-in., 12c each. Mosbaek Greenhouse Co., Onarga, Ill.

Dracena indivisa, 3-in., 45 4-in., \$10 per 100. Geo. M. Emmans, Newton, N. J.

### FERNS.

NEPHROLEPIS PRUESSNERI. This beautiful new and fluffy fern now ready again. Strong 2½-in., plants at \$3 per doz., delivered anywhere in the United States by mail. By express (you pay the charges), \$20 per 100; \$175 per 1,000. Cash, please. J. D. Pruessner, Galveston, Texas.

### FERNS FOR FERN DISHES.

Extra strong, healthy, bushy, full-grown 2½-in. stock, guaranteed to please; assortment of 12 best varieties, \$3 per 100; \$25 per 1,000; 250 at 1,000 rate. J. F. Anderson, Fern Specialist, Short Hills, N. J.

Ferns, Boston and Pierson, 2½-in., 4c; 3-in., 8c each. Whitman and Elegantissima, 3-in., 10c. Mosbaek Greenhouse Co., Onarga, Ill.

Ferns for dishes, asst., 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Oechslin, 4911 Quincy St., Chicago.

Ferns, Elegantissima Improved, 4-in., \$3 per doz.; 6-in., \$6 per doz. Superbissima, 4-in., \$3 per doz; 6-in., \$6; 8-in., \$12. Boston, 10-in., \$3 and \$4 each; 12-in., \$5 and \$6; larger, \$7.50 to \$10. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Fern Nephrolepis Giatrasii, 2½-in., \$3.50 per doz.; \$25 per 100; \$200 per 1,000. George Giatras, 463 Summit Ave., W. Hoboken, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Fern Whitman, 2½-in., 2½c; \$25 per 1,000. John A. Doyle, Springfield, O.

Ferns, Boston, 3-in., 25c each. Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns Whitman 2½-in., \$5 per 100. Henry H. Barrows & Sons, Whitman, Mass.

### FEVERFEW.

Feverfew from seed bed, 1½c each; 2½-in., 2½c. Mosbaek Greenhouse Co., Onarga, Ill.

Feverfew, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Feverfew, R. C., 75c per 100 prepaid. Chas Frost, Kentworth, N. J.

### FICUS.

Ficus elastica, 22-24 ins., \$6 per doz.; \$50 per 100. Frank Oechslin, 4911 Quincy St., Chicago.

### FUCHSIAS.

Fuchsias, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

### GERANIUMS.

Geraniums, strong 2-in. stock, Heteranthe, Nutt, Jean Viald, La Favorite, L'Aube, Hill, \$2 per 100; \$13 per 1,000. Our selection, \$17 per 1,000. Pamela, \$4 per 100. Anastase Lecadre, \$3 per 100. Red Wing, the best novelty of the season, 25c each; \$2.50 per doz. Write for geranium catalogue. F. H. DeWitt & Co., Wooster, Ohio.

ROOTED GERANIUM CUTTINGS—Select-ed stock, Nutt (dark red), Grant (bright red), Poitevine (salmon), Viald (pink), Buchner (white), Extra nice stock for delivery at once, \$12.50 per 1,000; \$1.50 per \$100. Cash. The W. T. Buckley Co., Springfield, Ill.

Geraniums, fine stock, finest and best bloomers, Nutt, Grant, Ricard, La Favorite, Poitevine, Jaulin, Trego, Perkins, etc., 4-in., all in bud and bloom, \$6 per 100; \$55 per 1,000. Double Red Silver leaf, 4-in., 10c. Samuel Whitton, 84 Churchill Ave., Utica, N. Y.

Geraniums, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Viald, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$5 per 100. Mme. Sallerol, 2-in., \$3 per 100. G. M. Emmans, Newton, N. J.

Apple geranium, 2-in., \$2 per 100; 3-in., \$4. Standard varieties, 2-in., \$2 per 100; \$18.50 per 1,000; ivy leaved, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, Nutt, Beaute, Poitevine, good white, 4-in., all in bloom and bud, good plants guaranteed, \$7, \$8 per 100. G. Schlegel, Olney, Ill.

Geraniums, standard varieties, 2½-in., 3c each; \$25 per 1,000; 4-in., 10c each; \$90 per 1,000. Mme. Sallerol, 3-in., 4c; 2½-in., 2c. Mosbaek Greenhouse Co., Onarga, Ill.

Geraniums, 8 vars., 2½-in., \$3 per 100; \$25 per 1,000; 3-in., \$4. Jos. H. Cunningham, Delaware, O.

Geranium, R. C. Ricard, Poitevine, S. A. Nutt, \$10 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, apple, 2-in., \$2; 3-in., \$4 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, Heteranthe, Doyle, 4-in., \$7 per 100. West End Greenhouses, Lincoln, Ill.

Sallerol, fine 2½-in., \$2 per 100. T. J. Feters, Harbor Springs, Mich.

Geraniums. See adv. on page 742. Geo. A. Kuhl, Pekin, Ill.

### GREENS.

Greens, fancy and dagger ferns, \$2.00 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large bales, \$1.25; Leucothoe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch, 50 lbs., \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

If You Do Not Find What You Need In Our Ready Reference Department, Write Us About It.



Greens, dagger and fancy ferns, \$2 per 1,000. Bronze and green galax, \$1 per 1,000; \$8.50 per 10,000. Leucothoe Sprays, \$1 per 1,000; \$7.50 per 10,000. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, southern wild smilax. Log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 33 W. 28th St., New York.

Greens, cut palmetto and cycas leaves, galax, leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

### HARDY PLANTS.

Dreer's hardy delphiniums. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Perennials. All of the most desirable varieties. Let us know your wants. Wagner Park Conservatories, Sidney, O.

Moonvines, 2½-in., \$5 per 100; 3-in., \$8; 4-in., \$12. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Perennial phlox, named varieties, field-grown, \$5 and \$10 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

SEDUM SPECTABILIS, 2½-in., right size for planting, \$4 per 100; \$30 per 1,000. Wagner Park Conservatories, Sidney, O.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

### HELIOTROPES.

Heliotrope, Miss Bernice, 2½-in., \$8 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Heliotropes, blue, large plants from soil, strong transplanted stock, 75c per 100; \$5 per 1,000. Samuel Whitton, Utica, N. Y.

Heliotrope, R. C., prepaid, 75c per 100. Chas. Frost, Kenilworth, N. J.

Heliotrope, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

### HOLLYHOCKS.

Hollyhocks, assorted, 2½-in., 3c. Mosbaek Greenhouse Co., Onarga, Ill.

### HYDRANGEAS.

Hydrangea Arborescens Grandiflora Alba. The true large flowering forcing variety, warranted true, ¾-in. pots, \$3 per 100; 1-year field-grown, strong, 12 to 18 inches, \$6 per 100; \$55 per 1,000. New trade list ready. Write for it today. The Good & Reese Co., The Largest Rose Growers in the World, Springfield, O.

Hydrangea Arborescens Grandiflora. We have the largest stock of strong 2-year plants in America. Plants 2 to 3 feet, \$2.50 per doz.; \$15 per 100; \$140 per 1,000. Good plants. 15 to 20 inches, \$10 per 100. List free. E. Y. Teas, Centerville, Ind.

Hydrangea Arborescens Grandiflora Alba (grown from stock obtained from The E. G. Hill Co.). Field grown 15 to 20 ins., \$7 per 100; \$65 per 1,000; a smaller size, \$5 per 100; 2½-in., \$3 per 100; \$25 per 1,000. John A. Doyle, Springfield, O.

Hydrangea Otaksa, bud and bloom, 6-in., 75c and \$1 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Hydrangea Otaksa, rooted cuttings at \$1.50 per 100. J. H. Fiessler, Hamilton Ave., North Bergen, N. J.

Hydrangea, paniculata, grandiflora, 18 to 24 ins., 6c; 2 to 3 ft., 9c. Dingee & Conard Co., West Grove, Pa.

### IVY.

Ivy, hardy English, 4-in. pots, very bushy, 3 to 4 ft. tall, \$15 per 100. John Reck & Son, Bridgeport, Conn.

Ivy, German or English, 2-in., \$2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

English ivy, staked up, 4-in. pots, \$10 per 100. Cash. John Irvine & Sons, Bay City, Mich.

### JERUSALEM CHERRIES.

Solanum, Jerusalem cherries, seedlings, 1c each. Mosbaek Greenhouse Co., Onarga, Ill.

### LILACS.

Lilacs. Jacs Smits, Naarden, Holland.

### LILY OF THE VALLEY.

#### To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

### From Storage.

Lily of the valley, cold storage, 250, \$3.50; per 1,000, \$13. W. C. Beckert, Northside, Pittsburg, Pa.

Lily of the valley, cold storage, \$12.50 per 1,000. Buds, 76 Barclay St., New York.

### LOBELIA.

Lobelia Newport Model, 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

### MYOSOTIS.

Myosotis, early flowering, 3-in., \$2.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

### MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

Mushroom Spawn. Sure crop, \$8 per 100 lbs. Weeber & Don, 114 Chambers St., N. Y.

### NURSERY STOCK.

Nursery stock, evergreens, shade and ornamental trees, shrubs, vines, trained dwarf and standard fruit trees, grape vines, small fruits. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, conifers, boxwoods, azaleas, rhododendrons, forest and fruit trees, hedge plants, etc. S. A. Vosters & Sons, Riel, Holland.

Nursery stock, Clematis, ampelopsis, tree hydrangeas, lilacs, shrubs, vines and perennials. Jackson & Perkins, Newark, N. Y.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock arbor vitae (Thuja occidentalis), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Viburnum plicatum, 2 to 3 ft., 12c. Dingee & Conard Co., West Grove, Pa.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

### ORCHIDS.

Orchids importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchid peat, rotted azalea peat, leaf mold, live or baked sphagnum moss. C. W. Brownell Co., Walden, N. Y.

Orchids, Cattleya Trianae, labiata, Warneri, Dendrobium, Oncidium, V. Rogersii. G. L. Freeman Co., Fall River, Mass.

Orchids, all commercial, cattleyas and novelties. Carillo & Baldwin Seacaus, N. J.

Orchids. Largest stock in the country. Julius Roehrs Co., Rutherford, N. J.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

### PALMS.

Palms, Kentia Fors., 6 to 7-in., 40 to 50 ins., \$2 to \$3 each. Kentia Bel., 4-in., 20c; 3-in., 10c each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Kentias, in 2½-in. pots, \$8 per 100; \$75 per 1,000. Jackson & Perkins Co., Newark, N. Y.

Palms, Kentias. Joseph Heacock Co., Wyncote, Pa.

Palms, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Palms, Bobbink & Atkins, Rutherford, N. J.

### PANSIES.

Ready now, 250,000 fine large, fall transplanted pansies in bud and bloom. Superb strain; the finest market strain grown. A trial order will convince you that they are the best you ever had. You need them for your particular trade. Price, \$1.25 per 100; \$10 per 1,000. Cash with order. Leonard Cousins, Jr., Concord Junction, Mass. Telephone 52 Concord

50,000 field-grown pansy plants. They never saw either a cold or hot bed, strong, husky plants; beautiful blooms. They are the kind that sell and please, \$20 per 1,000. Albert A. Sawyer, Pansy Specialist, Pansy Garden, Oak Park, Ill.

Pansy plants, Kenilworth strain from fall sown seed, prepaid, 50c per 100; large, \$1; 1,000 by express, \$3; large, \$8. Chas. Frost, Kenilworth, N. J.

Pansies, fine strong plants, \$5 per 1,000. Mosbaek Greenhouse Co., Onarga, Ill.

Pansies, \$2 per 1,000. Byer Bros., Chambersburg, Pa.

Pansies, \$2 per 1,000. J. C. Schmidt, Bristol, Pa.

### PEONIES.

Peonies, all vars., Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars., W. & T. Smith Co., Geneva, N. Y.

Peonies only by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

Peonies, a superb collection. Jackson & Perkins Co., Newark, N. Y.

### PETUNIAS.

Petunias, dbl. mixed or Dreer's single, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Petunias, dbl., seedlings, \$2.50 per 100. Jos. H. Cunningham, Delaware, O.

Petunia, 2-in., 2c. Byer Bros., Chambersburg, Pa.

### PRIMULAS.

Primula obconica, gigantea, rosea. The bright color for the holiday trade, very strong stock, 2½-in., \$2.50 per 100, cash. These will be good money makers. Freeport Floral Co., Freeport, Ill.

Primula obconica, 2½-in., \$2 per 100; \$300 for \$5. J. C. Schmidt, Bristol, Pa.

### PRIVET.

50,000 California privet and Ampelopsis Veitchii, field-grown. Benj. Connell, Merchantsville, N. J.

### RHODODENDRONS.

RHODODENDRON CATAWBIENSE. The best of all, 12 to 20 buds, \$75 per 100; 25 to 35 buds, \$12 per doz.; larger specimens, \$15 per doz. Wagner Park Conservatories, Sidney, O.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

### RESURRECTION PLANTS.

Resurrection Plants.—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis E. Lester Company, Dept. L. S., Mesilla Park, N. M.

### ROSES.

ROSES, 2½-inch: Francis E. Willard, Mrs. Ben R. Cant, Burbank, Kaiserin, White LaFrance, M. Niel, Gruss an Teplitz, Souv. de Pierre Notting, Tausendschon, Philadelphia Rambler, White Baby Rambler, \$3 per 100; \$25 per 1,000. VEILCHENBLAU, the greatest novelty; color violet blue; extra heavy 2-year stock, 90c each; \$10 per doz. Wagner Park Conservatories, Sidney, O.

#### ROSE PLANTS, 2½-INCH POTS.

|              |     |      |
|--------------|-----|------|
| Kaiserin     | 100 | 1000 |
| Mrs. Jardine | 4   | 35   |
| Richmond     | 4   | 35   |
|              | 3   | 25   |

VIETOR BROS. 51 Wabash Avenue. Chicago.

Roses, strong, clean stock, own root, Brides, Bridesmaids, Chateaux, Golden Gate, Pink Killarney and Kaiserin, 3½-in., \$6 per 100. Grafted Pink Killarney, \$12 per 100. F. R. Quinlan, Syracuse, N. Y.

Roses, grafted stock, Killarney, White Killarney, Bride, Maid, My Maryland, 2½-in., \$15 per 100; \$125 per 1,000. C. H. Totty, Madison, N. J.

Roses, for varieties and prices, see page advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Roses, Bride, Maid, Golden Gate, 3-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

Roses, Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

Roses, Bridesmaid, 2-in., 2½c. W. W. Coles, Kokomo, Ind.

New Rambler (violet blue). Ellwanger & Barry, Rochester, N. Y.

Roses, leading varieties. Leedle Floral Co., Springfield, O.

Roses, 3-in., Wood Bros., Fishkill, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About it



Roses. For prices and varieties see advertisement elsewhere in this issue. E. G. Hill Co., Richmond, Ind.

Roses. If not ready to plant will grow your stock up to 4-in. for June delivery. Geo. A. Kuhl, Pekin, Ill.

Roses, on own roots, budded, bedding. H. P. Smith, hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

### ROOTED CUTTINGS.

Rooted Cuttings, prepaid: Coleus, 10 kinds, 60c per 100; \$5 per 1,000. Heliotrope, \$1. Paris daisy, yel. and white, \$1. Cuphea, 75c. Vinca, var., 90c. Alternantheras, 3 kinds, 50c per 100; \$4.50 per 1,000. Ageratum, 3 kinds, 60c. Swainsona alba, \$1. Dbl. petunias, 10 kinds, \$1. Byer Bros., Chambersburg, Pa.

### SALVIAS.

Salvia Bonfire, strong, 2-in. plants from seed, ready to shift, \$1.75 per 100; \$17 per 1,000 cash. This is fine stock; must move it to get room. N. E. Beck, Massillon, O.

Salvia Bonfire and Zurich, 2-in., \$2 per 100; \$17.50 per 1,000; 3-in. \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Salvia Bavaria (the white Zurich), 1910 introduction, nice plants, 2-in., \$1 per doz. J. L. Schiller, Toledo, O.

Salvias, Zurich, Bonfire and Splendens, 2½-in., \$2.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Salvia Bonfire, 2½-in., strong plants, 3c each. G. Schlegel, Onega, Ill.

Salvia Zurich, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

### SEEDS.

Seeds, asters, mignonette, Begonia Veron, Cineraria, Primula Chinensis, Obconica, Salvia Bonfire and Splendens; Verbenas, Cyclamen and pansy. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Seeds, Asparagus plumosus nanus, 100 seeds, 60c; 250, \$1.25; 1,000, \$4. Sprenger, 100 seeds, 15c; 250, 25c; 1,000, 75c; 5,000, \$3.25. Vaughan's Seed Store, Chicago and New York.

Seeds, onion, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

HYBRID GERBERAS (Adnet's strain). Crop 1910, \$9 per 1,000 seeds; \$60 per 10,000 seeds, from the originator. Cash. Adnet, Antibes, France.

Seeds, cineraria and primrose. For varieties and prices see advertisement elsewhere in this issue. Henry F. Mitchell Co., 518 Market St., Philadelphia.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, sweet peas, for varieties and prices, see advertisement elsewhere in this issue. Weeber & Don, 114 Chambers St., New York.

Seeds onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, Phoenix Roebeleni. Sander, T. Mellstrom, Representative, 235 Broadway, New York.

Seeds, turnips: Seven-Top, Dixie, Frost King, Prize Taker. D. Landreth Seed Co., Bristol, Pa.

Seeds, specialties, Stocks, pansies, cyclamens, etc. Pape & Bergmann, Quedlinburg, Germany.

Seeds, Bermuda onion. Federico C. Varela, Teneriffe, Canary Islands.

Seed, asters. Vick & Hill, Box 4613, Rochester, N. Y.

Seed, pansy, 1,000 seeds, 25c; 1 oz., \$2.25. H. Wrede, Luneburg, Germany.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, Landreth Seed Establishment. Bloomsdale Farms, Bristol, Pa.

Seeds, Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds, Stokes' standards. 219 Market St., Philadelphia.

Seeds of all kinds. H. E. Fiske Seed Co., Boston.

### Contract Growers.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon; sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohmert, Gilroy, Calif.

Seeds, Cauliflower and cabbage. Hjalmar Hartman & Co., 31 Barclay St., New York, and 12 Stormgade, Copenhagen.

Seeds, growers for the wholesale trade only. Braslan Seed Growers' Co., San Jose, Calif.

Seeds, peas, beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, field, garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, sweet peas. Anton Zvolanek, Boundbrook, N. J.

### SMILAX.

Smilax, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax, 2½-in., \$3 per 100. West End Greenhouses, Lincoln, Ill.

Smilax. Wood Bros., Fishkill, N. Y.

### SPIREAS.

Spireas. J. Smits, Ltd., Naarden, Holland.

### STEVIA.

Stevia, R. C., prepaid, 75c per 100. Chas. Frost, Kenilworth, N. J.

### STOVE PLANTS.

Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

### SWAINSONA.

Swainsona alba, 2-in., \$2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

### VEGETABLE PLANTS.

#### VEGETABLE PLANTS.

|                                  |              |
|----------------------------------|--------------|
| Cauliflower, seedlings.....      | Per 1,000.   |
| Cauliflower, transplanted.....   | \$4.00.      |
| Celery, seedlings.....           | 5.00.        |
| Celery, transplanted.....        | 1.25.        |
| Egg plants.....                  | 3.50.        |
| Pepper, pot plants.....          | 25.00.       |
| Tomato, seedlings.....           | 2.00.        |
| Tomato, pot plants, per 100..... | 4.00.        |
| Mosbaek Greenhouse Co.           | Onarga, Ill. |

Vegetable plants, beet, 20c per 100; \$1.25 per 1,000. Egg plant, 40c per 100; \$2 per 1,000. Pepper, Bull Nose, Sweet Mountain, Ruby King, 40c per 100; \$2 per 1,000; Tomato, small plants, Earliana, Early Jewel, Dwarf Stone, Champion, Ponderosa, Matchless, 30c per 100; \$2 per 1,000. Tomato, small plants, Stone, Paragon, Favorite Success, 20c per 100; \$1 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Tomato plants, all the best sorts from seed bed, \$2 per 1,000; transplanted, \$3 per 1,000. Cauliflower, Erfurt, large from seed bed, \$2 per 1,000; transplanted, \$3 per 1,000. Cash. E. Fryer, Johnstown, Pa.

Tomatoes, Earliana and Beauty, \$2 per 1,000. Cabbage, Wakefield, \$1.50 per 1,000. All strong plants. Mrs. Edward Hayden, Greenview, Ill.

Strong asparagus plants, Columbian Mammoth White, 75c per 100; \$4 per 1,000. The River Falls Floral Co., River Falls, Wis.

Extra heavy asparagus roots, \$1 per 100; \$4 per 1,000. Mosbaek Greenhouse Co., Onarga, Ill.

### VERBENAS.

Lemon Verbenas, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3 per 100; \$25 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Verbenas, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

40,000 Verbena plants in bud and bloom, \$20 per 1,000. Coleus plants at same price. J. L. Dillon, Bloomsburg, Pa.

Verbenas, assorted, 2½-in., \$2 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Lemon verbenas, R. C., prepaid, 75c per 100. Chas. Frost, Kenilworth, N. J.

Verbenas, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Verbenas. J. L. Dillon, Bloomsburg, Pa.

### VINCAS.

Vinca minor, the hardy vinca for cemetery planting and under trees, where grass will not grow; well rooted layers, \$1.50 per 100; \$10 per 1,000. E. Y. Teas, Centerville, Ind.

Vinca variegata, 3½ and 4-in. pots, 8-12 good leaders, \$10 per 100; small plants, July cuttings, \$5 per 100. Cash with order please. Paul Liebsch, Batavia, N. Y.

Vinca variegata, extra strong stock well set with leads, ready for shift, 2½-in., \$2.25 per 100; \$20 per 1,000; 3-in., \$5 per 100. Cash. Freeport Floral Co., Freeport, Ill.

Vinca minor, field-grown clumps, \$6 per 100; \$50 per 1,000. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Vinca variegated, 2½-in., \$2.50 per 100; 3-in., 6c; 4-in., 12c; 5-in., 20c. Mosbaek Greenhouse Co., Onarga, Ill.

Vinca variegata, 3, 4 and 5-in., 6c, 8c, 10c, 12c each; good plants guaranteed. G. Schlegel, Onega, Ill.

Vinca var., 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Vinca, 2½, 3 and 4-in., \$3, \$5 and \$9 per 100. West End Greenhouses, Lincoln, Ill.

Vinca minor, field-grown, \$4 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Vinca, clumps, \$10 per 100. E. G. Hill Co., Richmond, Ind.

### VIOLETS.

VIOLETS, Baronne A. de Rothschild is making good everywhere, as the most free and most fragrant single in cultivation. Size and stem equal to Princess, color a shade darker. Rooted runners or divisions, ready in April. Book your order now, at \$6 per 100; \$50 per 1,000. F. W. Fletcher Co., Auburndale, Mass.

Violets, Princess of Wales, clean divisions, ready now for delivery. Cash with order. \$5 per 100; \$40 per 1,000. Kenwood Greenhouses, Tenafly, N. J.

Violets. Wood Bros., Fishkill, N. Y.

### KNIVES.

Razor steel, hand forged, postpaid. Propagating, 50c; budding, 35c; grafting, 25c; pruning, 75c. Cat. free. Maher & Grosch Co., 91 A St., Toledo, O.

### MISCELLANEOUS.

Clara cemetery vases, 12 ins., \$2.50 per doz.; barrel of 3 doz., \$6. Vaughan's Seed Store, Chicago and New York.

Superior Carnation staple, 50c per 1,000, postpaid. L. J. Waite, 293 Main St., Springfield, Mass.

Plant bed cloth, waterproof sheeting, hay caps, etc. Henry Derby, 123 F. Chambers St., N. Y.

Evergreen Brand Flower Fertilizer, \$2 per can of 12 lbs. D. D. Johnson Co., 64 Wabash Ave., Chicago.

Dennison florist tags. Dennison Mfg. Co., Boston, New York, Philadelphia, Chicago, St. Louis.

Pillsbury's Carnation Staple, 50c per 1,000 postpaid. I. L. Pillsbury, Galesburg, Ill.

### POTS, PANS, ETC.

Pots, before buying write for prices. Geo. Keller & Sons, 2614-22 Herndon St., Chicago.

"NUFF SED." Best red pots are made by Geo. E. Feustel, Fairport, Iowa.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

Pots, florist red. Peters & Reed Pottery Co., Zanesville, O.

Pots. Syracuse red. Syracuse Pottery Co., Syracuse, N. Y.

Neponset waterproof paper flower pots. Vaughan's Seed Store, Chicago & New York.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots, Standard, all sizes. A. F. Kehr, 2934-38 N. Leavitt St., Chicago.

### STAKES.

Cane Stakes. Standard grade 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000.

Pipe stems about 6 feet per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

### WIRE HANGING BASKETS.

Wire baskets. D. U. Augspurger & Sons Co., Box 778, Peoria, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It




Has stood the test of over a Quarter of a Century.

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Vine, Plant and Vegetable

## MANURE

UNRIVALLED  
FOR  
Vines.  
Tomatoes.  
Cucumbers.  
all Flowering.  
Foliage and  
Fruit bearing  
Plants.  
Vegetables.  
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The result of  
many years  
practical  
experience.  
**PERFECT  
PLANT FOODS**  
Sold by  
Leading  
American  
Seedsmen.

— ALSO —

Thomson's Special Chrysanthemum and Topdressing Manure

Freight paid on quantities. Write for our special offer to the American trade pamphlets, agents' circulars, etc. to sole makers,

**WM. THOMSON & SONS, Ltd.,**  
Tweed Vineyard, Clovenfords, Scotland

Mention the American Florist when writing

Sheep's Head Brand

## Pulverized Sheep Manure



The Ideal  
Plant Food  
for Florists.

Write to-day for Prices and Booklet.

**NATURAL GUANO COMPANY,** Aurora, Ill.

## Cattle Manure in Bags

Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

### Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

**The Pulverized Manure Company**  
32 Union Stock Yards, Chicago.

Now is the time to make up

# WIRE BASKETS

For spring selling.  
We Have the Best Basket in the Market.

Try them this season.

|            |                  |                 |
|------------|------------------|-----------------|
| 10-in..... | \$1.50 per doz.; | \$12.50 per 100 |
| 12-in..... | 2.00 per doz.;   | 15.00 per 100   |
| 14-in..... | 3.00 per doz.;   | 20.00 per 100   |

**D. U. Augspurger & Sons Co.**  
Box 778, PEORIA, ILL.

JACKSONVILLE, FLA.—Mills the Florist has secured a 99-year lease on the valuable property of Dr. P. J. Stollenwerck on Adams street.

# Ammoniated Lawn Lime

### Kills Weeds.

Applied as a light top dressing to lawns it kills all flat leaved weeds such as Dandelion, Daisy, Plantain, Sorrel, Chickweed, Moss, etc., in 48 hours and without other fertilizer produces a wonderful, luxuriant, rich, green growth of lawn grass—which is distinctly noticable 50 feet away.

### Makes Grass Grow.

The use of Ammoniated Lawn Lime supersedes hand weeding of lawns, putting greens, etc. It saves the grass from being pulled up and in many cases ruined. Grasses take a new vigorous growth, avoiding probable trouble in the future.

**Quantities:** If very weedy 1-lb. to 40 square feet, 25-lbs to 1000 square feet, (20x50). Half to one-quarter amount if moderately weedy.

**ABSOLUTELY GUARANTEED.** Money refunded if not satisfactory.

We want Seedsmen or Florists as agents and distributors in every important city and town.

**Retail Prices:** 2-lb. cans, 25c, 50 cans per case. 5-lb. cans 50c, 20 cans per case. Bags, 25-lbs. \$2.00; 50-lbs. \$3.50; 100-lbs. \$6.00.

Descriptive Circular and Wholesale Prices on Request.

## SUPERIOR CHEMICAL CO.,

(Incorporated.)

**Louisville, Kentucky.**

## The "Meyer Green Silkline"



is the only Green Thread that should be used by florists and growers. It is guaranteed full weight and full measure.

Also Violet Thread for tying up Violets. Price of both, \$1.25 per lb. express or freight paid in good sized orders.

**JOHN C. MEYER & CO.,** 1449 Middlesex St., Lowell, Mass.

## Evergreen Brand Flower Fertilizer.

A Pure Plant Food immediately available. It permanently enriches the soil. It prevents the onslaught of plant diseases or insect pests. Can be used at any time during the growing season, dry or in solution. Put up in 12 pound cans, Price, \$2.00 each.


**For Sale by Leading Jobbers**

Further information can be obtained from

**D. D. JOHNSON CO.,** 64-66 Wabash Ave., CHICAGO-  
Manufacturers,

## The Mastin Automatic Whitewash and Spraying Machine

### Is Reliable, Practical and Durable



The tank is made of galvanized sheet steel, and in brass. The pump is of brass throughout, simple and powerful. The mixing device keeps the contents of the tank well stirred up from start to finish.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

All parts are made to gauge and may be had for repairs.

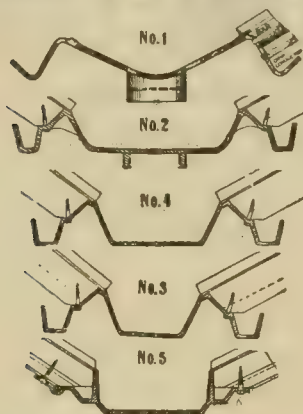
Ask your dealer about our Extension Hose, Extension Rods, and the Mastin Whitewash Nozzle for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

**J. G. MASTIN & CO.,** 3124 West Lake St., CHICAGO, ILL.



## A Gutter With a Reputation



Ask the man who has tried them. For further particulars, write to

**GEO. M. GARLAND CO.,**  
DES PLAINES, ILL.

Write to us about

## Materials and Plans for any size and style of GREENHOUSE

for new structure or repairs.

**Hot Bed Sash** In stock or any size required.

**Pecky Cypress**

for benches, lasting and least expensive.

**The Foley Mfg. Co.,**  
Western Ave and 26th St. CHICAGO.

## Greenhouse Construction

By Prof. L. R. Taft.

Price \$1.50

**AMERICAN FLORIST CO.**  
324 Dearborn St., Chicago.

Dallas, Tex.

The Green Floral Co. has just completed inventory of its first year's business since the firm was incorporated. Colonel Green states that the trial balance shows a much larger percentage to their credit than had been expected, which is very satisfactory to the corporation. It had been rumored that the colonel had lost his enthusiasm in the work, but a few moments talk with him will convince any one that he has just started, and as he says, shortly some of his good friends will sit up and take notice.

Col. Green states that the demand for cut flowers in the state of Texas is increasing so rapidly that the present plant is not large enough to meet it. Therefore, this present season he will add 100,000 square feet of glass, making it the largest and best equipped plant in the south, and this will be used exclusively for growing cut flowers for the wholesale trade.

In addition to the above plant, he now has under construction 100,000 square feet of glass which, when completed, will be used exclusively for growing pot plants for the catalogue trade. It will be operated in connection with the Southern Floral Co., of this city, which Colonel Green purchased last February. This department of the business will be separate and distinct from the Green Floral Co.



## The Logical House for the Logical Grower

Logical because it perfectly meets the requirements for a house of greatest productiveness and greatest safety.

Its complete Sectional Iron Frame, with the essential number of columns for its support, makes it unnecessary to obstruct the light by a network of trussings. No part is heavier than necessary for safety, and still it is lighter than any other house built any other way.

It is only logical that columns relieve the ridge and eaves from bearing the strain of

the tremendous weight of the roof, besides safely fortifying it against wind and snow pressure.

In all its history of a quarter of a century, it has a record of no blow downs or cave-ins. And so we say again it is the logical house for the logical grower. This one is Alban Harvey & Sons' at Bradywine Summit, Pa., and is 45 feet wide and 250 feet long.

When you think of building, think of us as the builders.

## Lord and Burnham Company

IRVINGTON, N. Y.

New York  
St. James Bldg.

Boston  
Tremont Bldg.

Philadelphia  
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Chicago  
The Rookery



## Don't Be Misled on Which Curved Eave to Buy.

Ours is no experiment—eight years ago we built our first Curved Eave House—it was a success from the start. The present one is much improved, and has much to be said in its favor for satisfactory lightness and unquestionable endurance. Send for circular.

**HITCHINGS AND COMPANY,**  
NEW YORK: 1170 Broadway.

Use our patent  
Iron Bench  
Fittings and  
Roof Supports.

THE JENNINGS<sup>IMPROVED</sup>  
IRON GUTTER.

**IMPROVED VAPORIZING PANS**

For Tobacco Extracts, etc. Send for Circulars.

**DILLER, CASKEY & KEEN,**  
S. W. Corner Sixth and Berk Streets PHILADELPHIA.

**VENTILATING  
APPARATUS.**

RHINEBECK, N. Y.—Walter Pells has purchased a new 1910 Reo automobile.

LAKE MILLS, WIS.—Mallory & Briggs are now busily engaged in planting gladioli.

SAN ANTONIO, TEX.—San Jacinto day, the seventy-fourth anniversary of the great battle for the independence of Texas, was celebrated here April 22, by a float parade and a battle of flowers.





# This New Book Free

It contains several interior views of recently equipped flower shops that are of vital interest to every progressive retail florist. It also shows re-productions of letters from successful florists who have used

## McCray Refrigerators

for many years. The distinctive thing about these refrigerators is that the ice capacity is scientifically determined so that just the right temperature is maintained. The McCray System saves money because it saves ice and saves flowers and **besides this** brings in new trade on account of its attractive appearance.

Write while you think of it for this new book— ask for Catalogue No. 72.

McCray Refrigerator Company,

169 Lake Street,  
Kendallville, Ind.

### THE STANDARD VENTILATING MACHINERY



The original machine with self-oiling cups. The most powerful, least complicated, very compact, with ease of operation.

#### The New Duplex Gutter

Over six miles in use and highly recommended by all. The only Drip Proof gutter on the market.

#### The Standard Return Steam Trap

It has no equals for simplicity or its working. Catalogue free.

E. HIPPARD, Youngstown, Ohio.  
Mention the American Florist when writing

### WILKS' Hot Water Boilers ARE THE MOST ECONOMICAL Boiler for Greenhouses

No Night Fireman Required with our  
SELF-FEEDING HOT WATER BOILERS.  
Send for Catalog and Prices.  
S. WILKS MFG. CO.,  
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### Steel Return Tubular Boilers

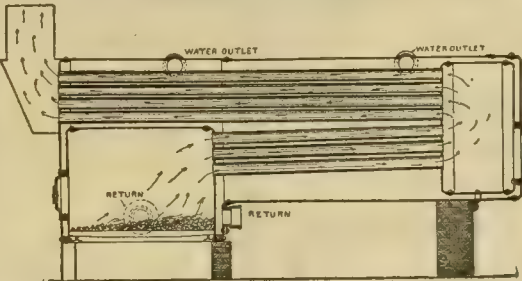
The Most Economical Type of Boiler for Greenhouse Heating. Highly recommended by well-known florists.  
JOHNSTON HEATING CO., 138 E. 31st St., NEW YORK.  
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### The Superior Standard

#### RETURN FLUE FIRE BOX BOILER

contains more heating surface, and less water space than any other steel boiler.  
2/3 of the heating surface is in the tubes.

Ask the man that knows the one using different style boilers—names are yours or the asking.



After using our boiler one season, you will say like all others: Nothing but "Superior" for me.

This boiler has given better satisfaction than any other boiler on the market  
MADE IN NINE (9) SIZES FOR HOT WATER.  
Send for catalogue and list of growers that are using this boiler.  
THE SUPERIOR MACHINE & BOILER WORKS, 840-850 Superior St., Chicago.

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### The KROESCHELL BOILER

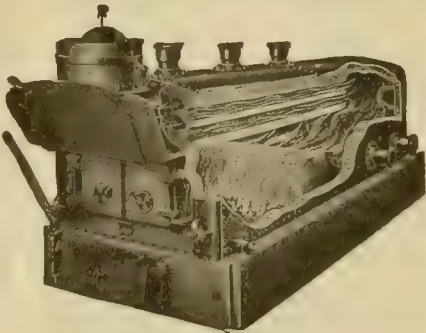
IS THE ONLY PERFECT HOT WATER BOILER.  
(NOT CAST IRON)

Has water in front, sides, top and a water back.

Made in 15 sizes, heating 6,000 to 50,000 square feet of glass to 60° at 15° below zero.

Prices and cata ogue on application.

KROESCHELL BROS. CO.  
452 W. Erie St. CHICAGO.





Tobacco Paper

IS THE  
STRONGEST  
BEST PACKED  
EASIEST APPLIED

24 sheets.....\$ 0.75  
144 sheets..... 3.50  
288 sheets..... 6.50  
1728 sheets..... 35.10

# 'Nico-Fume' LIQUID

OVER 40% NICOTINE

By far the  
**CHEAPEST**

JUST NOTE PRICES

Furnishes the  
**Most Nicotine for the Money!**

Pint.....\$ 1.50  
½ Gallon..... 5.50  
Gallon..... 10.50  
5 Gallons..... 47.25

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville Ky.

# APHINE

Is proving

A Most Effective

while at the same time

**Absolutely Harmless  
Insecticide**

For use on young stock.

**It Destroys the Insects and  
Invigorates the Plants**

Have you tried it?

**Aphine Manufacturing Co.  
MADISON, N. J.**

*green Flies and  
Black ones too*

are easy to kill with

The fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back;  
why try cheap substitutes that makers do  
not dare to guarantee?

THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

**Gorham & Chapline  
Printery Inc.** CATALOGUES  
PRICE LISTS.

HALFTONES, ENGRAVINGS and  
PRINTING FOR **FLORISTS.**

358 Dearborn Street, CHICAGO.

EL PASO TEXAS.—The Potter Floral Co. is just completing three large houses. When these are finished the firm will be in position to grow cut flowers for its trade, which is increasing very rapidly. Mr. Potter states the past season has been very satisfactory and far beyond all expectations.

## Sold by Seed Dealers all over America

Used 25 Years.



KILLS THE

Currant Worm,  
Potato Bug,  
Cabbage Worm,  
Slug on Roses,  
Caterpillars,  
Aphis on Roses,  
Bugs on Melons,  
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Lice on Fowls,  
Curculio on Plums,  
Tobacco Worms, &c.

For pamphlets on Bugs and Blight, write to

**B. HAMMOND, Fishkill-on-Hudson, N. Y.**

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**The Regan Printing House**  
LARGE RUNS OF  
**CATALOGUES**

OUR SPECIALTY

WRITE FOR FIGURES.

91 Plymouth Place, CHICAGO

**Wired  
Toothpicks**

10,000, \$1.75; 50,000, \$7.50. Manufactured by

**W J. COWEE, Berlin, N. Y.**

Sample free. For sale by dealers.



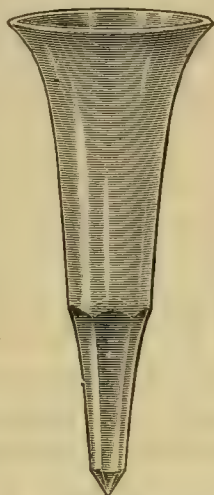
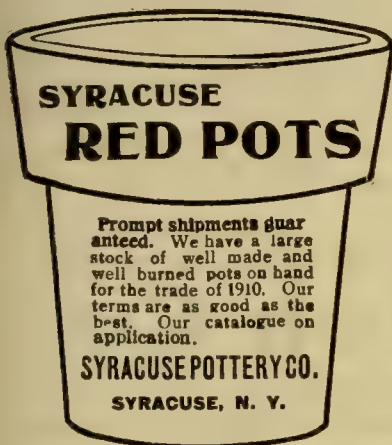
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POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOG AND DISCOUNTS.

**A. H. HEWS & CO.**Established 1785,  
CAMBRIDGE, MASS.452-460 No. Branch St.,  
CHICAGO ILL.Pearson Street,  
LONG ISLAND CITY, N. Y.

## Clara Cemetery Vase

MADE OF SOLID MOULDED GLASS

12 inches high, with wide flaring mouth.  
Can be supplied in green or white.  
Doz., \$2.50; barrel of 3 doz., \$6.00,  
f. o. b. Chicago.

## Vaughan's Seed Store,

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84-86 Randolph St.

NEW YORK:

25 Barclay St.

## Those Red Pots

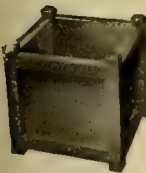
"STANDARDS"  
Full size and wide bottoms.

BULB PANS and AZALEA POTS

DETROIT FLOWER POT M'Y

HARRY BALSLEY, Rep  
Detroit, Mich.  
490 Howard St.

## MISSION PLANT BOXES.



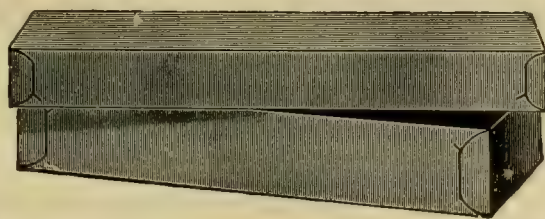
Are the best and cheapest plant boxes in the market for large plants, boxwoods, bay trees, etc. They are attractive in design strong and durable. Suitable for either outdoor or indoor use. Write for prices.

WAGNER  
PARK CONSERVATORIES,  
Sidney, Ohio.

## Kramer's Pot Hangers

For sale by Wholesale Seedsmen, Florists  
and Supply Dealers.Price, \$1.00 per dozen by express. Sample  
dozen by mail, \$1.25.

I. N. KRAMER &amp; SON, Cedar Rapids, Iowa



## CUT FLOWER AND Design Boxes

All sizes, lowest prices. Write

**C. C. Pollworth Co.,**  
MILWAUKEE



## Sterling Iron Reservoir Vases

Chairs, Settees, Hitching Posts, Etc.

Complete Catalogue and Discounts Upon Request.

**The Sterling Emery Wheel Mfg. Co., OHIO, U. S. A.**  
TIFFIN,

## Standard Flower Pots!

Packed in small crates, easy to handle

| Price per crate              | Price per crate             |
|------------------------------|-----------------------------|
| 1500 2-in., in crate, \$4.88 | 144 6-in., in crate, \$3.16 |
| 1500 2½ " " 5.25             | 120 7 " " 4.20              |
| 1500 3 " " 6.00              | 60 8 " " 3.00               |
| 1000 3 " " 5.00              | 48 9-in., in crate, \$3.60  |
| 800 3½ " " 5.80              | 48 10 " " 4.80              |
| 500 4 " " 4.50               | 24 11 " " 3.60              |
| 456 4½ " " 5.24              | 24 12 " " 4.80              |
| 30 5 " " 4.51                | 12 14 " " 4.80              |
| 210 5½ " " 3.78              | 6 16 " " 4.50               |

Seed pans, same price as pots. Send for price list of cylinders for Cut Flowers. Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY: Fort Edward, N. Y.

or AUGUST ROLKER & SONS, New York Agents  
31 Barclay Street, New York City.

## All The Clay

FOR OUR

## Florists' Red Pots

Is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We ship over five lines of railroad by river or interurban. Write for catalogue showing all the articles we make for florists' use.

THE PETERS &amp; REED POTTERY CO.

ZANESVILLE, OHIO.

Mention the American Florist when writing



## Standard Flower Pots

Porosity and Strength  
Unsurpassed.

Write for prices.

**A. F. KOHR**

2934-36-38 Leavitt St.,

CHICAGO



## GEO. KELLER & SON,

Manufacturers of  
**Red Pots**

Before buying write for prices.  
2614-2622 Herndon St.  
CHICAGO,

## KRICK'S Florist Novelties

Manufacturer and Patenter of  
The Only Genuine Immortelle  
Letters on the market.

Order at once.

CHAS. AUG. KRICK,  
1164-66 Greene Ave.,  
BROOKLYN, N. Y.

Every letter marked.





# EXTRA BENCH ROOM



At this time of the year the capacity of every greenhouse is taxed to its limit. **Bench Room** is the one important feature to consider. Remember how well our

## Shelf Brackets

will relieve this situation, and save time, trouble and room. The **Lightest, Strongest** and most **Durable** on the market. Made for 3-4 to 2-inch pipe.

Net Prices: 12-in., single, 18c each; 8-in., single, 14c each; -8-in., double, 20c each.

Please mention size of pipe post when ordering. Remit small amounts in stamps or Money Order.

**King Iron Frame Greenhouses** are still leading, and if you "Ask the man who has one, you will know why." This Iron Frame covers many acres in the United States, England, France and Germany.

# King Construction Co.

Address Lock Box 623-C.

N. TONAWANDA, N. Y.

Superior Quality.

Hand Made.

## Greenhouse Glass

Why not buy the best. Write us for discounts.

We can save money for you.

**BAUR WINDOW GLASS CO.**

Eaton, Indiana.



**MASTICA** is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass, as occurs with putty. **Lasts longer than putty.** Easy to apply.



**SIEBERT'S ZINC**  
Never Rust  
**GLAZING POINTS**

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes  $\frac{3}{4}$  and  $\frac{1}{2}$ . 40c per lb. by mail 16c extra; 7 lbs. for \$2.50 15 lbs. for \$5.00, by express. For sale by the trade.

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SEATTLE, WASH.—A correspondent, writing from this city April 16, says: "About a week ago Sam Graff's two retail stores were foreclosed on the strength of a mortgage for \$6,250. It is said other liabilities amount to about \$8,000. Among his creditors were a number of small growers. The flower business is and has been very good."

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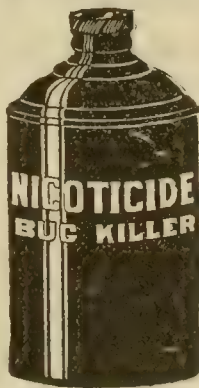
Half barrels, (25 gallons), per gal. \$1.35. 5 gal. pails, per gal. \$1.40

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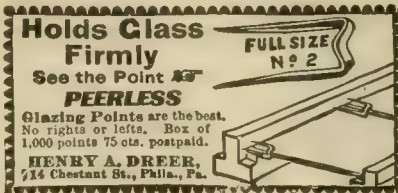
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This is the grower's friend. Handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down mildew. Circulars on application. \$1.50 per gallon. Also in quarts, half gallons and in bulk.

**PERFECTION CHEMICAL CO.,**  
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## Superior

Crimped Invisible **Carnation Staple**

PATENT APPLIED FOR.)

For repairing split carnations. 1000 for 50 cents Postpaid.

L. J. WAITE, 293 Main St., Springfield, Mass



# THE AMERICAN FLORIST



A WEEKLY JOURNAL FOR THE TRADE

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXIV.

CHICAGO AND NEW YORK, MAY 14, 1910.

No. 1145

## THE AMERICAN FLORIST

TWENTY-FIFTH YEAR.

Copyright, 1910, by American Florist Company.  
Entered as Second-Class Matter Nov. 11, 1891,  
at the Post Office at Chicago, Illinois,  
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

**AMERICAN FLORIST COMPANY,**

324 Dearborn St., Chicago,

Long Distance Phone: Harrison 7465.

Eastern Office: 1133 Broadway, New York.

Philadelphia, Pa.: Robt. Kift, 1725 Chestnut St.

Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a  
year; Canada, \$2.00; Europe and Countries  
in Postal Union, \$2.50. Subscriptions  
accepted only from the trade. Vol-  
umes half yearly from August, 1901.

Address all correspondence, subscriptions, etc.,  
American Florist Co., 324 Dearborn St., Chicago.

### SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—F. R. PIERSON, Tarrytown, N. Y.,  
Pres.; FRED W. VICK, Rochester, N. Y., Vice-  
Pres.; H. B. DORNER, Urbana, Ill., Sec'y;  
WM. F. KASTING, Buffalo, N. Y., Treas. Next  
meeting at Rochester, N. Y., August 16-19, 1910.  
Second National Flower Show, Boston, Mass.,  
March, 1911.

### CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition in conjunc-  
tion with the Morris County Gardeners' and  
Florists' Society, Morristown, N. J. November  
2, 3 and 4 1910. ELMER D. SMITH, Adrian Mich.,  
President. C. W. JOHNSON, Morgan Park, Ill.,  
Secretary.

### THE AMERICAN CARNATION SOCIETY.

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eighth St. and Senate Ave., Indianapolis, Ind.,  
Secretary.

### AMERICAN PEONY SOCIETY.

Seventh annual meeting at Horticultural Hall,  
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**Turn Your Surplus  
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See Page 791.**

## HALF HOUR CHAPTERS FOR PLANT GROWERS

### Caladium Esculentum.

Without going into the question of the beauty or suitability of Caladium esculentum for window boxes the fact remains that some people like them and this makes considerable demand for started plants around the end of the month. Any old roots or bulbs that are still laying around should be put into shape and will sell if there are one or two fairly well developed leaves on them. The plants do not need much heat, but the leaves will develop more freely in a fairly moist atmosphere and it means a good deal to have them looking fresh and good at the time of sale. A more legitimate use for this plant is for bedding out in summer and many customers will be looking for "elephant's ears" for they are very striking when well placed in the flower garden. At any rate it is a plant well worth growing in fair quantities for which there will sure to be a demand.

### Ardisias.

Seeds of Ardisia crenulata may be sown now. Sow the seeds in a fairly warm house and grow the young plants on in a cool, light house. With due care they will be strong enough in 12 months to bloom freely, and these flowers will set berries, making the plants fit for sale the following Christmas. Old plants that have become leggy may have the tops mossed the same as crotons or dracenas are treated and, when rooted, potted in small pots and grown on. The flowers will go on forming even while the tops are being rooted, and will set berries in time for Christmas sales. This popular plant may also be increased by means of cuttings of young wood inserted now and grown on through the summer as advised for seedlings. Many growers appear to fight shy of these plants for some reason. They are not difficult to grow but probably the most trouble is with insects. Red spider and scale both bother the plants, and no amount of care will keep them healthy if these are allowed to remain. But kept clean

in a cool, airy and comparatively moist house no grower need be afraid of tackling these plants which always sell well at good prices.

### Crotons.

Where there is a brisk demand for crotons their propagation may be carried on practically all the year around, providing there is a bench with heat beneath it. The cuttings inserted last month are now ready to be potted, and when cleared out another batch can be inserted at once. They root very easily if kept moist, both above and below, and with a brisk bottom heat. The leaves have to go pretty close together in the propagating cases and in consequence are apt to fall afterwards if exposed too suddenly to bright sunlight. This necessitates a closer and somewhat shaded position for a week or two after they are taken out of the cases, but when growing freely and well established crotons delight in plenty of sun heat tempered with abundant atmospheric moisture. Not only do the leaves color better in such positions, but the growth is more solid and stands better than that produced in hot, shady houses. Good loam and semi-decayed cow manure in the proportion of six to one and a liberal sprinkling of sand is a good compost for these plants. Highly nitrogenous foods are not advisable as they lead to poor color in the leaves.

### Primulas.

From now on, primulas will have to be kept as cool as possible by day, and the night temperature should be kept around 50°, with air on if possible. This will prevent the young plants becoming drawn and weakened as they will do in hot houses or in frames kept tightly closed. Keep the plants as near the glass as possible for the same reason, and maintain a moist atmosphere rather than moisten the roots too much. It is true the primula is a moisture loving plant and cannot thrive without plenty of water, but the young plants are not any too well rooted and cannot take up the



moisture as freely now as when they are larger and in full growth. Seed pans or flats containing seedling plants about half an inch high sometimes scale over on the surface and this scale should be frequently broken up with a pointed stick or label to admit air to the roots. If this is not done the plants lose color and grow but slowly. Besides this, the surface being caked over prevents the water percolating to the lower part of the compost and the roots are starved. This is a frequent cause of damping off at the collar or just above ground. As soon as ready the seedlings should be pricked off into other flats and the new soil will give them a fresh start. It is not too late to sow again, either *Primula Chinensis* or *P. obconica* and the plants will be at their best early next spring, at a time when good flowering plants are always in demand.

#### Winter Flowering Geraniums.

There is always a demand for small, well grown geraniums and cuttings rooted now will make nice stock by next winter. By the end of the month the propagating cases will be relieved of some of their load and there will be room for a good batch of geraniums if the stock can be procured. It will not do, of course, to be cutting away at stock intended for bedding, though there may be a few cuttings taken without doing any damage but with the plants that are to be set out for stock purposes it is different. These can all be relied on to supply a cutting or two and altogether quite a respectable batch of plants can be worked up with very little trouble. Although every two eyes will make a cutting it is not good policy to cut the growth up too small and well furnished tops are best. These should be kept in a batch by themselves and the lower part of the stems cut up and kept in another. All will root easily now in the ordinary cutting bench if kept moist. Pinch the point out of each and remove any flower buds that show before inserting. As soon as rooted, the plants should be potted in small pots and grown on in frames or a light bench. The idea is to keep them growing right along steadily and to avoid a rapid, soft growth. With this end in view the plants must be potted firmly, using the potting stick freely. During the whole of the growing season the plants should be occasionally pinched to cause them to bush out freely and all flower buds removed on sight.

KANSAS CITY, Mo.—The W. H. Humfeld Floral Co., which has been located at Ninth street and Highland avenue for the past 18 years, will move to 1010 East Thirty-first street on or about August 1. The firm has leased a large store room at this number. We understand that some greenhouses will be built in the rear of this store. Mr. Humfeld says that many of his firm's customers have moved to this part of the city and it will be much better to be in this location. The name of the firm will be changed to the Humfeld-Orear Floral Co. L. N. Orear, whose name now appears in the title, has been with this firm for the past few years, and as a decorator he ranks among the best in the city. We wish the firm every success in its new location.

## THE RETAIL TRADE

### Chicago Automobile Parade.

From every point of view it is much to be regretted that the weather man was so unkind on Saturday last, the day scheduled for the automobile parade at Chicago. The rain commenced just about the time for starting and continued so persistently that it was decided to postpone the parade until Monday. This was all right as far as those cars decorated with artificials were concerned but for the natural flowers it was, of course, disastrous as two days would greatly mar the decorative effect of the flowers. This being the case several of the cars were started out and made a tour of the city but the effect from a spectators point of view was, of course, very poor. On Monday the real parade was staged and, taking all things into consideration, was very successful. Thousands of people lined the route taken by the cars and the enthusiasm as various popular devices passed was great, though it must be admitted artificial flowers were greatly in excess of natural.

The work of decorating the cars appeared to be pretty well divided up among the principal retailers and their efforts were crowned with complete success from a decorative point of view. The Geo. Wittbold Co. decorated two large cars for the Chicago Examiner, carrying out a scheme of window box and flower garden effect with all classes of stock used for this purpose, palms and other large decorative plants being used on top. August Lange also decorated one for the same firm, using American Beauty roses entirely. He also decorated a Studebaker touring car with Beauties and another with pink and white roses, swainsona and white lilac. One of the most popular cars in the whole parade was that decorated by the Fleischman Floral Co. for Tom Murray. This was treated with Killarney roses all through with fine specimen hydrangeas on the roof. This car on Saturday was certainly magnificent and, unlike some others, it showed little the worse for wear on Monday. John Mangel decorated two Studebaker

cars, one with Winsor carnations and *Asparagus plumosus* being very artistic and effective. Harry C. Rowe put in some good work on a large Buick limousine, the windows being panelled with white carnations, lettered "Buick" and draped with asparagus. In another touring car Mr. Rowe decorated the body with Beauties and asparagus and built arches six feet high of Beauties, the wheels being picked out in red carnations. A large Welch touring car by the same florist was treated with pink and white roses, carnations and Beauties and draped with *Asparagus plumosus*.

### Hughes' Maypole Dance.

As a May day attraction to his store, H. R. Hughes of West Van Buren street, Chicago, annually trains some 100 children for a Maypole dance, as shown in the accompanying illustration. Naturally, the children look forward to his party and talk about it, interesting their parents and thus proving an excellent advertisement for Mr. Hughes' store. This is one of the many advertising schemes he pulls off at various holidays and probably one of the most satisfactory, for it is a well known fact that if the children are interested the interest of the parents and other "grown-uns" will assuredly follow.

### Keeping Cape Jasmines.

A shipper of the pretty Cape Jasmines to the principal markets and retailers writes as follows respecting their keeping qualities: "After being packed the flowers can be kept in a cool dark place for a week or 10 days, if the packages are undisturbed, but the top of the crates should be removed and the top papers kept damp, but not wet, with a watering pot.

The night before they are wanted stand the packages in cold water almost to the flowers. In the morning they will be found as fresh and white as if just picked. If retailers understood their lasting qualities they would use them more. When they come too early, and for Decoration day, if ordered and kept as directed, many people would not be disappointed."



MAYPOLE DANCE AT H. R. HUGHES', CHICAGO.





DECORATED AUTOMOBILE BY FLEISCHMAN FLORAL CO., IN CHICAGO PARADE.

Killarney Roses, Boston Ferns and Hydrangeas.

## THE ROSE.

### Summer Roses.

A paper read before the Buffalo Florists' Club on Tuesday, May 3, by Charles T. Guenther.

Not so many years ago there was practically no demand for good summer roses and in consequence none, or very few, were grown. Whatever demand there was had to be filled with roses which were grown for winter cut or all the year around. Of course a lot of LaFrance roses were grown during the whole year and it was certainly a beautiful flower, and I am at a loss to understand why it is not grown now.

About 1892 or 1893, Testout was sent out and first grown for winter flowering and was found to be too expensive. Kaiserin followed about the same time and while working at a well known rose grower's place around New York, it gave such poor satisfaction during the winter months that it was thrown away after two years' trial. But what a grand flower for summer cutting! After trials in several places for summer flowering it gave such satisfaction that it is today the only good white summer rose grown. It has several faults but these can be overlooked when we get these grand flowers which the plants will produce all summer long. Testout was tried the same way and extensively grown on the same principle in the east.

Shortly after, President Carnot was sent out and while wanting as a winter bloomer, the fine flowers produced on long stems during summer were very pleasing to the grower. The public, however, was slow in taking hold

and I remember that we were growing this rose for about a year and a half before there was any real demand for it. Now it is well liked and a rose of the same color for winter cut would be very welcome. A few years after Killarney appeared and while disappointing when first seen, we must say that since, it has conquered the world. It is a free bloomer during winter and the same plants will produce good flowers during the summer. It is more particular about treatment than other roses, but when well grown, the color is good, also the stem. The foliage takes mildew easily and the flowers are somewhat single, but the public likes the flower just the same.

La Detroit made its appearance shortly after and we always liked the flower. We are growing a few for the summer cut at present, but as it opens so quick during warm weather, we will probably replace it with another pink one, called Ideal. This is a sport of LaFrance, somewhat darker than the parent, but the plants we have have given such satisfaction that we may grow more for pink for summer cutting. When the flower is cut it seems quite single, but the flowers open so nicely and are so full that you can scarcely improve it, and the flowers have fine fragrance. Wellesley is another good pink summer rose, but as we have not grown many, I cannot give you my opinion until later.

In the darker red roses, we have practically only American Beauty, which gives satisfaction to the buyer at any time of year, if not always to the grower. Of the newer roses, My Maryland is very well spoken of, but what it will do can be seen only next year, as the limited stock in this

country is used this year for propagating. White Killarney showed up fine in several places where I have seen the flowers and if it will prove as good a seller as Killarney, it may become a standard rose for all the year round. President Taft is another new rose and by what we have seen of the flowers we would think that it will make a fine summer rose. All these roses have to be grown in greenhouses around Buffalo to give good results.

But one rose has given us very good satisfaction outdoors and that is M. Cochet. Flowers from outside are better than those grown inside unless they should get spoiled from rain. After several trials of keeping plants of this variety outside, all winter, we dig up the plants in the fall, pot and store them in a cold house where they begin to grow slowly in the spring. At the end of May we plant them outdoors and if watered well we get a lot of good flowers all summer long. Cochet and its white sport should have the widest dissemination among owners of gardens who like to cut a few roses during the summer from their gardens. Around Baltimore this rose will stand the winter outdoors but here we have not succeeded in keeping it in good shape. Many more roses fairly good for indoors and very good for outdoors can be mentioned, but as my experience with these has been limited, I leave it to some one more able to handle the subject.

WORCESTER, MASS.—The H. F. A. Lange Co. is now in its new store at 371 and 373 Main street and held open house all last week. The store is modern in every respect and the interior is as convenient as it is artistic. It was designed by A. H. Lange.



## ORCHID NOTES.

### Orchid Flowers.

In studying the flowers of the great orchid family, their wonderful variety is perhaps the most striking feature. Although it is not the largest family in point of numbers there is certainly no other natural order that contains such a varied lot of flowers. Yet, with all this wondrous change of form and feature there is that distinctness about an orchid flower of any species or

and revered it almost as much as their patron saint.

The famous Chatsworth collection of orchids in England is said to have been started, many years ago, owing to the vivid impression made upon the Duke of Devonshire of that period by some flowers of the butterfly orchid, *Oncidium Papilio*, when shown at one of the meetings of the London Horticultural Society. In this singular plant, the head, antennæ and eyes of a butterfly are wonderfully imitated while the petals easily pass for the

The fly, spider and lizard orchids are also well worth noting as interesting and striking instances of mimicry.

### FLORAL STRUCTURE.

Outside of exact likenesses to insects or other things the floral structure of orchids is very remarkable. We do not propose to go minutely into this as it is far too big a subject. Those interested will find a mass of information in a little book by Darwin, "Fertilization of Orchids," in which the wonderful means taken by Nature to prevent self fertilization of the flowers and the marvelous contrivance in their structure to invite fertilization by insects are fully described. It is a most fascinating and delightful study and the great naturalist was very happy in his language and very convincing in his arguments. But there are many of such singular structure that they command attention. Take for instance the beautiful *Dendrobium Brymerianum*, a plant that is well worth growing from an ornamental point of view besides being of great interest botanically. The lip is cut up into a number of long, delicate filaments of the most beautiful golden yellow, twisted and curled like those of a Japanese chrysanthemum. As a purely botanical species *Bulbophyllum barbigerrum* is worthy of note and is a most remarkable plant. Dr. Lindley's description of this plant is worth quoting:

"The lip is one of the most extraordinary organs known, even among orchidaceous plants. It is a long, narrow, flexuous, sharp-pointed body, closely covered with a yellow felt; just within its point is a deep purple beard of exceedingly fine hairs; on the under side at a little distance from the point of the lip is another such beard; and, besides this, there is at the end of the lip, a brush consisting of very long purple threads, so exceedingly delicate that the slightest disturbance of the air sets them in motion when they wave to and fro like a tuft of threads cut from a spider's web. Some are of the same thickness throughout, others terminate in an oblong club so that when the hairs are waving in the air (and I do not think they are ever entirely at rest) a part floats gracefully and slowly while others are compelled



WINDOW BOXES AT BUFFALO, N. Y.

variety that anyone who is of an observant turn of mind, no matter how inexperienced or unversed in botany, can tell an orchid at a glance. The commercial man does not bother himself about this, he goes on and grows his cattleyas and there is nothing else in the orchid world for him. But the great interest in orchids generally, that seems to be reviving all over the country, must be our excuse for leaving the commercial end for once and taking a hasty glance at some of the real attractions of these "aristocrats of the floral world" as they have been called.

### MIMICRY.

We have no patience with the people who pretend to find a resemblance in orchid flowers to everything on earth from a baby to a rattlesnake. There are sufficient really striking and remarkable instances of mimicry in the flowers to render the finding of fanciful and outlandish ones unnecessary and the far fetched ones serve only to lessen the interest taken by would-be patrons of the cult. Although everyone will not agree with us we think that perhaps the most beautiful and striking instance of mimicry is the dove orchid, *Peristeria elata*. Looking at this plant from a commercial point of view, there is not much to it. Even as a decorative plant it has many superiors, but look into the flowers. The column in the center is an exact representation of a pure white dove, with wings partially erect as if just settling down upon its nest. What wonder that the superstitious natives of Panama, its habitat, worshipped it or that the Spanish settlers in Central America called it *El Spirituo Santo* or Holy Ghost plant

wings. At a little distance the long wiry peduncles of the flowers are almost invisible and by a very little stretch of the imagination one can fancy the butterfly hovering over a flower. It is a striking and beautiful instance of the wonderful works of Nature. Not less remarkable is the wild bee orchid, *Ophrys apifera*, which is found plentifully on the chalk hills in the southern parts of England and in various parts of the European continent. The likeness to a bee is more striking in dwarf plants growing in the open than in others that grow in shaded or moister positions. The bee appears to be settled on the grass and naturalists tell us that even birds have been deceived by the striking likeness.



WINDOW BOXES AT BUFFALO, N. Y.





VERANDA BOX BY THORLEY, NEW YORK.

Terra Cotta Box Filled With Ivy, Foliage Plants and Palms.

by the weight of the glandular extremities to a more rapid oscillation. Nor is this all: The lip itself is articulated with the column by such a very slight joint that to breathe upon it is sufficient to produce a rocking motion so conspicuous and protracted that one is really tempted to believe there must be something of an animal nature infused into this most un-plant-like production."

Another remarkable plant in a totally different way is the long spurred angræcum. *A. sesquipedale*. The beautiful pure white flowers of this species have spurs to the nectaries over a foot in length and these give a most remarkable appearance to the flower. Again referring to Darwin he suggested that there was probably an insect with a proboscis of sufficient length to reach the nectar at the bottom of this spur, an idea that was scouted by the wiseacres of his day. It is said, however, that there are insects with probosces over 10 inches in length kept rolled up until needed for use when they are unfolded, so possibly the great naturalist was not so far out in his conjecture after all. Those singular cypripediums, too, of the caudatum

group with their sepals elongated to over a foot in length, pendant and ribbon like, are very beautiful and sure to command attention wherever seen. There is, in short, a most remarkable number of quaint, wonderful and striking variations in the orchid family. In this note we do not pretend to describe them in any measure fully but if it causes anyone to take an interest in these wonderful creations—"these un-plant-like productions"—then the time spent on it will not be altogether wasted.

## ORCHIS.

## Claim for Orchids.

Morristown, N. J., May 5.—On the question as to when is an orchid dead hangs a claim of \$2,055, suit for which is before the Circuit court. Lager & Hurrell, of Summit, ordered from M. A. Ordonez, of South America, 73 cases of orchids of that country. When the plants arrived at Summit, the firm claims that most of them were dead and declared \$500 was paid for the good ones.

Mr. Ordonez told Justice Black yesterday that he and his brother gather-

ed the flowers in Colombia, South America, and that the plants were carefully packed, passed the custom-house and were in good condition when they reached Summit. The witness said further that he was in Summit when the cases were opened. The plants, he said, were gathered in the interior of Colombia and were wrapped with dry fern leaves about the roots for shipment.

John D. Lager, of the Summit firm, told the court that the plants were not properly packed, and that the heat and drought had killed them during the voyage here. Many of them had the appearance of being alive, he said, but the vital parts of the plants had been affected. Out of the 73 cases received, he said, only eight were fit for use.—Newark News.

ATLANTA, GA.—The Atlanta Floral Co. had a very effective window May 2 in honor of the music festival and of Madame Fremstad, the great Swedish singer, in particular. The Madam visited the store to view the decorations in her honor, which of course made news for the local papers and advertising for the store.



## THE GLADIOLUS.

GLADIOLUS GROWERS, by making a proper presentation of their case at the Rochester convention of the Society of American Florists next August, should obtain recognition as a section of the national organization, which would serve all practical purposes at a minimum cost and largely eliminate the undesirable features of separate societies, tendency to varia-

this line. Knowing this, one or two growers have very generously volunteered to carry out some co-operative experiments. With this suggestion I have prepared a plan for such field and harvesting experiments, as we think most promising, judging by what we have learned of the nature and cause of these diseases. This plan is submitted below for the benefit of growers who might be interested. We shall be glad to have as many as possible test out any or all

or possibly even adhering to the surface of healthy corms or possibly even adhering to the surface of healthy corms that have been in contact with diseased ones. As to which of these methods prevails or when and how infection takes place, we have yet to learn. We therefore consider it probable that certain sanitary methods of handling the crop would materially reduce the rot in many cases. With this in view the following experiments are suggested.

### FIELD EXPERIMENTS.

Plat 1.—Perfectly sound seed corms on soil where gladioli have never been grown.

Plat 2.—Perfectly sound seed corms sterilized by immersing in five per cent formalin for 10 minutes on soil where gladioli have never been grown.

Plat 3.—Diseased seed corms on soil where gladioli have never been grown.

Plat 4.—Healthy seed corms on soil where diseased corms had grown last year.

Plat 5.—Diseased corms on soil where diseased gladioli had grown last year.

Plat 6.—Healthy seed corms sterilized on diseased soil.

Plat 7.—Healthy and diseased seed corms on diseased soil, heavily limed, two tons per acre.

Plat 8.—Healthy and diseased seed corms on diseased soil fertilized heavily with acid phosphate, 1,000 pounds per acre. In selecting sound seed corms the husks must be removed and each examined very carefully.

In cultivating, the infection may be carried to the new soil plats by tools. If available use another set for these. If not, cultivate clean plats first each time. Observe conditions at harvest time and store corms from each plat separately. Sort in winter to determine percentage of rot in each.

### HARVESTING EXPERIMENTS.

I would suggest some experiments in regard to harvesting. It seems that the disease continues to develop quite seriously after harvesting, in storage. Now, whether the infection has all



GLADIOLUS BULB ROT—CHECKS, NOT INOCULATED.

tion in standards, duplication of work, lack of authority, spasmodic activity, etc.

### Gladiolus Bulb Rots.

#### CO-OPERATIVE EXPERIMENTS.

During the past season many letters of inquiry have come to this department asking for information concerning diseases of gladioli. Many growers are anxious to know how to control, or prevent the rot affecting the corms, which is so common and which in some cases causes serious loss. During the season of 1908 and 1909 the writer undertook an investigation of these diseases and succeeded, after some difficulty, in locating the organisms responsible for several types of disease. From quite similar types of rot three different fungi have been isolated, grown in pure culture and the diseases reproduced artificially by inoculation. With two of these the inoculation experiments of last season have been repeated within the past month and the results seem conclusive. The inoculated corms have in every case developed the rot in less than two weeks, while the check corms remained perfectly sound. I have now, therefore, no doubt that the fungi which we have located are the cause of the disease. A full description of these diseases and the associated fungi will appear later in a bulletin of the Cornell Experiment Station. A very brief description with some notes was given in the Rural New Yorker March 19, 1910.

Unfortunately we are unable as yet to give any definite information as to methods of control, and have not the time at our disposal necessary to personally conduct experiments along

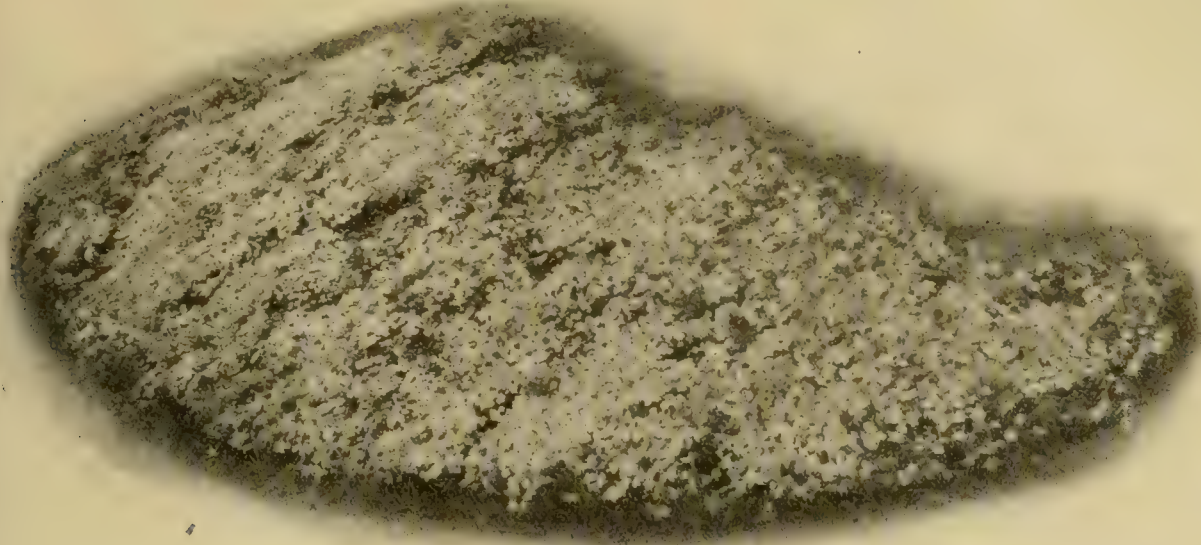
of the points here mentioned and report results to us. The larger the number who can duplicate these experiments, the more reliable will be the conclusions to be drawn therefrom.

Judging from what we now know concerning the fungi causing these diseases, it does not seem probable that any method of spraying can be devised to control them. They are evidently more or less soil organisms and are probably carried over in the soil or in or on diseased seed corms



GLADIOLUS BULB ROT—INOCULATED MARCH 10, PHOTOGRAPHED APRIL 2.





PHLOX SUBULATA.

## HARDY HERBACEOUS PERENNIALS.

### Low Growing or Tufted Perennials.

A large number of the low growing perennials are charming plants for the front part of the perennial border, or for use in pockets in nook work. Some of them can be also used to good advantage for edging in situations where that is desirable. Such things as *Armeria maritima*, *Cerastium tomentosum*, and *Dianthus deltoides* are good subjects for this purpose, depending, of course, upon the height of the border desired. *Armeria cephalotes* and its variety, *alba*; *A. maritima* and the varieties *Lauchiana* and *alba*; and *A. juncea* are amongst the best of the armerias. The different species and varieties flower at various periods throughout the summer season. They are easily raised from seed, and if sowed in spring, nice plants can be had the following year. They are also easily propagated by division of the stools. This may be done early in spring or in August or September. *Armeria verna*, and its variety *caespitosa* are charming dwarf little plants, and are well adapted for rock work. The white, somewhat star-shaped flowers, in summer are attractive. They are easily propagated by division, and seeds germinate readily. *Arabis alba* and its double flowering form is a most useful early blooming perennial plant. The white flowers in early spring are conspicuous at a long distance and it is remarkably easy of cultivation. Perhaps the best time to divide this is about August or early September. If the divisions are potted and placed in a cold frame from which frost is excluded in winter, so as not to smash the pots with frost, nice plants can be had to plant out the following spring. The aubretias in different forms, such as *Graeca Leichtlini*, and *deltoidea* are charm-

ing low plants with differently tinted lavender blossoms in spring. They do nicely on sunny, well drained slopes. In such a position *A. Graeca* has maintained itself with us for a great many years. Aubretias are easily raised from seeds. They are not good subjects for division, but they can be propagated from cuttings. *Alyssum saxatile*, and the variety *compactum*, are beautiful in spring with their dense sheets of golden yellow blossoms, and they always attract attention. *Alyssum saxatile* is so easily raised from seed, and this is certainly the best way to get up a stock of it. Of course, the variety *compactum* to make sure of it had better be propagated from cutting. The hardy pinks (*Dianthus*) are everybody's favorites, and no florist who deals in hardy plants should be without a supply of them, and no garden that includes a few hardy perennials in its limits should fail to be without them. *Dianthus caesius*, *D. arenarius*, *D. deltoides*, *D. petreus*, *D. plumarius* and *D. cinnabrinus* are amongst the best of the hardy pinks. They are all easily raised from seeds and their propagation from cuttings is an easy matter. Care should always be exercised in planting them on warm, well drained soils. They will not succeed at all on cold, heavy soils. *Heuchera sanguinea*, with its tufted heart-shaped leaves, surmounted in midsummer with the graceful spikes of deep red flowers about 1½ feet high, is a charming, beautiful plant. The long, graceful spikes lend themselves appropriately to house decoration when cut. It can be profitably raised from seeds, or it can be readily divided in spring, or at the end of August. There are several varieties of this, but so far we do not think that any of them are superior to the types for graceful

taken place in the field or continues to take place in storage we are not able to state positively. If it continues to take place in storage there is a possibility of the germs of the fungus being spread from the affected bulbs to the healthy ones during the process of harvesting. To illustrate: If the corms are harvested and thrown together in the bins with the old mother corms, still adhering and allowed to stand for a couple of weeks or so before cleaning up and removing the old corms, there would seem to be ample chance for the germs to be spread into all the corms of the bin from the few diseased ones by means of the particles of soil that are adhering to them. During this time, unless they have been thoroughly dried at harvesting, they are likely to take more or less of a sweat, which results perhaps in the production of sufficient moisture to favor infection, wherever the fungus is present. This is merely a suggestion as to what might happen and I would not dare to label it as even probable, as yet, but experiments as outlined below should give us some line on this point.

First, select some variety that is susceptible to decay in storage. In harvesting in the fall allow each corm to lie where it has been pulled until dry. When thoroughly cured remove the mother corm, husk, treat with five per cent formalin for about five minutes, and then store. Do not pile in heaps or bins before treatment. Another lot from a row close by treat in a similar way, omitting the formalin treatment. In part of these omit the husking but simply allow individual corms to dry thoroughly before being heaped together and remove the mother corm and as much of the adhering soil as possible before being heaped together, in the bins. In another row close by gather and dry and store in bins with the mother corm attached, and re-sort two or three weeks later in the usual way.

ERRETT WALLACE,

Cornell University, Ithaca, N. Y.



beauty. The perennial candytufts (*Iberis*) with their sheets of snow-white blossoms in spring are indispensable for garden decoration, and the evergreen effect they maintain throughout the season renders them particularly valuable. *Iberis sempervirens* is the most useful of the genus and is remarkably showy in April and May. *I. corifolia*, *I. Tenoreana*, and *I. Gibraltaria*, are fine garden plants. The last named, however, is somewhat tender and requires good winter protection in our latitude. They are easily raised from seeds and can be readily multiplied from cuttings.

The tufted phloxes are a class of hardy perennials that are remarkably useful and showy in garden decoration. *Phlox subulata* in its numerous forms is one of the best of them. The white variety is very beautiful in sheeted masses. There is a variety of *P. subulata* under the name of vivid, with intense rosy-pink flowers that blossoms much later than the type, that is an excellent garden plant. Masses of it in bloom present a very brilliant appearance. I remember about 12 years since seeing a cemetery at Belfast, N. Y., 70 miles south of Rochester, in which there was several thousand square feet of *Phlox subulata* in several forms, which had completely covered the ground, and even choked out the grass. It was in full flower at the time I saw it, and the effect was so glorious that I felt like raising my hat to it, and I have never forgotten it. *Phlox amœna*, *P. reptans* and *P. divaricata* are excellent decorative plants. *P. divaricata*, to do well and be satisfactory, should always be planted in partial shade, and should have a little winter protection, for although a common native plant in

our rich woods, it does show a tendency to winter killing in cultivation. The tufted phloxes are all readily increased by division of the clumps. To break them into small bits in August and September, and pot them in 2½-inch pots, and treat them as above mentioned, for *Arabis albida* is a good method to secure a stock of them. In the following spring nice plants can be had, which, when planted out, will soon spread and make dense mats. There are many more good low perennials we have not mentioned, but these are perhaps a few of the best of them.

JOHN DUNBAR.

### Society of American Florists.

#### THE CONVENTION CITY.

Most of the readers of the *FLORIST* know that the twenty-sixth annual convention of the Society of American Florists is to be held in Rochester, N. Y., August 16-19, 1910. For some of our friends it will undoubtedly be the first visit to the flower city, and the handsome streets, homes, parks and gardens will be attractive points of interest. Others will find many changes in the business center as well as in the residence sections that will be worthy of a visit. But for all it will be a "city of delight," with artistic effects pleasing to the landscape gardener, greenhouses and fields of flowers to claim the attention of the florist, and, in the largest nurseries of the world, the horticulturists will find many of the new introductions.

The convention hall, an illustration of which is shown herewith, is located two blocks south of Main street east, facing Washington park, with Clinton avenue south on the left, and South street on the right. The hall consists

of two large buildings, the main structure being 70 x 170 feet. The front of this building will be given up to the sessions of the S. A. F., a special room having been prepared for this purpose. The remainder of this building will be given over to the trade exhibition and here the cut flowers, pot plants, and florists' supplies will be arranged.

The adjoining building, which was erected in 1909, gives a floor space of about 92 x 130 feet, and here the light machinery and the heavier appliances—boilers, heating apparatus, and greenhouse construction—will be exhibited. A large gallery extends over three sides of the main building and will be used for some of the exhibits. Altogether Convention hall contains about 48,000 square feet of available exhibition space. Supt. Chas. H. Vick says the 1910 exhibition will be "the biggest ever," and states that entries for space are coming in daily and that space reservations are very large.

Band concerts will be given afternoons and evenings by the Fifty-fourth regiment band of 25 pieces. The Rochester florists are planning great doings for the S. A. F., and the Ladies' Auxiliary, and every visitor is sure of a royal welcome and the best that Rochester can give.

MINNEAPOLIS, MINN. — Twin City members of the Minnesota State Florists' Association met at the Commercial club April 28 to make preliminary arrangements for the fall flower show. The following directors were elected: Wallace G. Nye, chairman; Theodore Wirth, L. S. Donaldson, J. S. Mitchell and O. C. Swanson of Minneapolis, and A. S. Swanson, L. L. May and O. J. Olson of St. Paul.



CONVENTION HALL, ROCHESTER, N. Y.—VENUE OF THE CONVENTION OF THE S. A. F., AUGUST 16-19, 1910.



## OBITUARY.

### The Late George W. Williams.

The late George W. Williams, of Providence, R. I., whose death was briefly chronicled in our issue of April 30, page 686, had been in failing health for a year. He was 74 years of age and had lived all his life in Providence and its vicinity, being a descendant of Roger Williams, the founder of that city. He was born May 16, 1836, and attended the public schools, Belding's classical institute and a business college. When 18 years of age he entered the seed and implement house of Burdick & Barrett and five years afterwards bought out Mr. Burdick's interest, when the firm name was changed to W. E. Barrett & Co. There were sundry other changes previous to Mr. Barrett's death in 1891, when the concern was incorporated as the W. E. Barrett Co., with Wilbur A. Fisk, president, Geo. W. Williams, treasurer, and Geo. F. Williams, the latter's son, secretary.

Mr. Williams was much interested in the agricultural fairs formerly held in various parts of the state, and was treasurer of the old State Fair Society. He became interested in Prudence Island as a summer resort, was heavily interested in the Prudence Land Co., which acquired several hundred acres of land in the southwest part of the island, later called Prudence park, and built his summer home there. Mr. Williams' first wife, Amy Ellen Westcott, whom he married in 1857, died in 1876, and his second wife, Elizabeth Darling Nickerson, to whom he was united in 1878, died in 1895. He is survived by five sons, Geo. F., Leon J., Edward B., Clinton N. and Ralph E. Williams, and by one brother, Francisco C. Williams of Pawtuxet.

### Baron Schroeder.

Baron Schroeder, one of the most munificent patrons of horticulture in England, died at Sidmouth, Devon, in his eighty-sixth year, April 24. "The Baron," as he was familiarly known among horticulturists, was the possessor of one of the finest collections of orchids in existence and for many years his exhibits at the Temple and other shows of the Royal Horticultural Society were looked forward to with greater interest perhaps than those of any other exhibitor owing to the great number of rarities always found among them. But not only orchids were grown at The Dell, Egham, though these were the most famous. Plants of all kinds, indoor and out, were included and nothing but the best in its class was good enough for inclusion there.

As a business man and a liberal patron the late Baron Schroeder was among the best friends of the Royal Horticultural Society. He first joined the council in 1886, soon after the trying South Kensington experiences of the society. In 1901 he was made vice-president and soon found a site for the new hall which the society had needed so long owing to the cramped conditions at St. James hall, Westminster. So highly did he think of the site that he promised the equivalent of \$25,000 to the building fund for the hall and later gave another \$5,000 for the equipment of the Lindley library rooms. He was also a most liberal patron of gardening charities and in 1893 was chairman at the festival dinner of the Royal Gardeners' Benevolent Institution. His home was filled with most beautiful works of art of all kinds and the late Queen

Victoria was known to have a warm regard for him. He was a true sportsman, a fast rider to hounds and a first-class four-in-hand whip as well as a fine shot, indulging his taste for the gun in the great forest he rented in Scotland and the usual game shooting in England. The funeral took place at the Englefield Green cemetery and was attended by the president of the R. H. S. and many other distinguished horticulturists.

### Henry C. Eickhoff.

Henry C. Eickhoff, one of the best known nurserymen in Indiana, died suddenly April 29 of heart trouble at his home about five miles southeast of Indianapolis, on the Michigan road. Mr. Eickhoff was born June 9, 1853, on the farm where, since his twentieth year, he carried on the nursery business. Originally he conducted the business in partnership with his brother, Edward A. Eickhoff, under the firm name of Eickhoff Bros., nurserymen. In later years, however, he conducted the business in his own name. His home and surroundings were always a beautiful example of



The Late Baron Schroeder.  
After 'The Gardeners' Chronicle.'

landscape gardening. In 1907 he became ill with heart disease and complications, from which he never fully recovered. He leaves a widow, formerly Miss Elizabeth Kuehn, and eight children, five girls and three boys.

### Henry Blanksma.

It is with a feeling of sadness that we again are called upon to chronicle the death of one who has been among us for many years. Henry Blanksma of the firm of Blanksma Bros., Grand Rapids, Mich., died at the Reeds Lake sanitarium of pneumonia May 5. He was one of the best known greenhouse men in the city, a man of excellent character and held in the highest esteem by every one who knew him. He was a good business man and his good judgment was sought by many who were near to him. Henry Blanksma was born in the Netherlands May 10, 1876, and came to Grand Rapids in 1892 and began working at the Grand Rapids Floral Co. He worked there several years and was with Henry Smith for about four years, then went into business for himself on Bates street for two years, after which he and his brother Peter entered into partnership on Kalama-

zoo avenue, where flowers were grown four years. The business was then changed over to vegetables and Blank-sma Bros.' cucumbers are known and sought after all over this part of the state. He graduated from the Fried-rickorle Horticultural College, Netherlands State V. P. of the National Vegetable Growers' Association and was a member of the executive board of the Grand Rapids Growers' Association. He leaves two sisters and one brother in his native country and his brother Peter of Grand Rapids, who will continue the business as before.

B. S.

### Joseph W. Congdon.

Joseph Whipple Congdon, formerly of Providence, R. I., and East Greenwich, where he practiced law for several years before taking up his home in California, and who died at the home of his son-in-law, E. W. Jerauld of Waterman, Wash., was said by scientific men to have been the foremost authority on botany in the world. He was born in Providence April 12, 1836, and was the son of James and Mary Whipple Congdon. He was educated in the public schools of this city and was graduated from Brown University in the class of 1855.

Mr. Congdon was well known in Europe, where he made extensive researches. A collection of plants he made in Europe and in the east he presented to Stanford University. European institutions have also received highly valued gifts of the same character from him. When he died he had a herbarium of about 10,000 specimens. In following the law he made a success of the practical side of the profession because of a remarkably thorough training, but he was more keenly interested in the science of the profession than in its actual practice. He became well known throughout California and earned the cognomen of "The Honest Lawyer" because of a discriminating sense of justice and integrity shown in every case with which he was connected. Mr. Congdon is survived by his wife, Mrs. Mary Barlett Congdon; his son, George C. Congdon; a daughter, Mrs. F. W. Jerauld; two brothers and a sister, Mrs. A. A. Wood.

### A. M. McLaren.

Anthony Murray McLaren, proprietor of the Westwood Nurseries, Westwood, Mass., died April 27 at Roslindale from paralysis. Mr. McLaren was out driving with his son on the day of his death. For 40 years he conducted a florist's business at Forest Hills Square but his property was needed for railroad purposes and he moved to Westwood in 1896. He has laid out many beautiful estates in various parts of the country and was landscape gardener for the New York Central R. R. He was a member of the Massachusetts Horticultural Society. He was married in 1856 to Miss Mary Ann Campbell who with four daughters and three sons survive him.

### Alpena, Mich.

A. Linke & Son met with a serious accident a month ago by fire. Their house being situated on the north side of the greenhouse caught fire, causing a loss of \$700, and for a while the greenhouse was in danger. Mr. Linke is proud of his carnations and thinks there are none better. He has a sport from Lawson that looks promising this year. He expects to propagate as many as he can from it. Everything is in fine shape for the spring trade.

ABYDOS.



# THE AMERICAN FLORIST

1885 TWENTY-FIFTH YEAR 1910

Subscription, United States and Mexico \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

Eastern Representatives:

A. F. FAULKNER, 1133 Broadway, New York.  
ROBT. KIFT, 1725 Chestnut St., Philadelphia, Pa.

**THE AMERICAN FLORIST,**  
324 Dearborn St., CHICAGO

**THIS ISSUE 52 PAGES WITH COVER**

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## Personal.

H. A. Barnard, representing Stuart Low & Co., London, Eng., will attend the Boston orchid show, May 26-30.

## Hail.

The florists of Wichita, Kans., had more than 75 per cent of their glass destroyed by hail on the night of May 1. Inside stock was also badly damaged. Emporia, Strong and Lawrence, Kans., also had an inning with hail, but not so severe as Wichita. The florists of that town, except one, have the consolation that they were insured. Dallas, Texas, and Oklahoma City, Okla., were hit by hail earlier in the season.

PRESIDENT ASMUS at a recent meeting of the Chicago Florists' Club made a good Mother's day move in suggesting that the trade recommend colored carnations where the mothers are still living, white to be reserved as an exclusive token of the departed.

THE severe freeze has been a setback to the florists and seedsmen of the country. Bedding and like stock in the hands of florists, which should have been moving freely the first 10 days of May, has been touched but little by buyers who were so thoroughly discouraged by the weather.

MATTHEW MCNAIR of Providence R. I., writes as follows: "Mother's day brought out many purchasers of white carnations, which sold singly and in half-dozen lots. The combined sales sufficed to clean up every white carnation in town. When we consider how much forced advertising has been given Carnation day with such small compensation, and then think of the splendid results following the spontaneous publicity so recently given Mothers' day, we are obliged to wonder why one thing fails and another succeeds." The semi-political character of Carnation day may account for some lack of enthusiasm regarding it, many good citizens, including ladies, being too young to vote. Everyone can and should join in Mother's day celebration.

## National Council of Horticulture.

The seventh instalment of the press service of the National Council of Horticulture contains articles on "Preparing a Canna Bed," "Watering Plants" and "Trees in Place and Out of Place (continued)." The articles are timely and practical and are entirely free to nurserymen, seedsmen, florists and local editors applying for them to James H. Burdett, 1620 West 104th place, Chicago.

## Duty on Palms and Trees.

In overruling a protest by Wadley & Smythe of New York the general appraiser gives the following decision: "This is an importation of 49 trees, comprising 35 orange trees, six myrtles, four oleanders, one palm, and three pittosporums. The examiner of nursery stock at this port testified that he personally examined this importation; that it consisted of old and fully matured trees, which were intended for ornamental purposes about the grounds of the importer; that these trees were planted in large tubs, and were moved in and out of the greenhouse to protect them from the rigors of this climate; that they were not intended or used for propagation or cultivation.

"Paragraph 560, under which the principal claim in the protest is made, reads as follows: '560. Fruit plants, tropical and semitropical, for the purpose of propagation or cultivation.' In framing this paragraph, we think the intention of congress was to admit without duty, for the purpose of encouraging agricultural and horticultural pursuits, such plants as were intended to be used in increasing the stock or for cultivation in raising and producing fruit. To give this paragraph any other interpretation would

deprive the words 'for propagation or cultivation' of any force or effect. This importation is therefore not classifiable thereunder. We do not think these trees and plants should be classified under the first of paragraph 252, but rather under the latter part of the paragraph as 'nursery or greenhouse stock not specially provided for.'"

## Mother's Day Article Inspires Mayor.

ED. AMERICAN FLORIST:—

Enclosed please find a clipping from our daily paper of Wednesday, last. I read your article on Mother's day and sent it to the mayor of our city; he thought it a good idea and issued a proclamation and recommended the wearing of the carnation in honor of your mother. If the mayor of every city would do the same thing it would not be long until it would rank among one of the first of our national holidays.

J. H. ORTH.

"To the people of McKeesport: During the last few years a number of American cities have adopted the very beautiful custom of designating a certain Sabbath of the year as Mother's day and requesting every man to wear on that day a flower in honor of his mother, and I feel that it would be entirely fitting and proper for the city of McKeesport to observe this day.

"Therefore, as mayor of the city of McKeesport, Pa., I recommend that by general consent, Sunday, May 8, 1910, be set apart as Mothers' day and that on that day every man and boy in the city of McKeesport and every visitor within our gates, wear a flower in honor of his mother. And I suggest that the day be made a special occasion for sending flowers to the invalids in McKeesport homes, to the sick in the hospitals and the various public institutions.

"It is eminently fitting that in this as in other worthy movements McKeesport take her proper place, and let us hope that the first Mother's day observed in this city will be so successful and inspiring that other cities will, in the future, follow the example. Witness my hand as mayor of McKeesport, Penn., this fifth day of May, A. D. 1910." H. S. ARTHUR.

## Meetings Next Week.

Boston, Mass., May 17.—Gardeners' and Florists' Club of Boston, Horticultural Hall.

Detroit, Mich., May 16, 8 p. m.—Detroit Florists' Club, Cowie building, 42-44 Gratiot avenue.

Grand Rapids, Mich., May 16.—Grand Rapids Florists' and Gardeners' Club, office of member.

Lake Geneva, Wis., May 21, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.

Montreal, Que., May 16, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Guardians building, 211 Sherbrook street, west.

New Orleans, La., May 19, 8 p. m.—New Orleans Horticultural Society, Kolbs hall, 127 St. Charles avenue.

Newport, R. I., May 18.—Newport Horticultural Society.

Pasadena, Calif., May 20, 8 p. m.—Pasadena Gardeners' Association, Board of Trade rooms, West Colorado street.

Providence, R. I., May 16, 8 p. m.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street.

Salt Lake City, Utah, May 17.—Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South street.

Scranton, Pa., May 20, 7:30 p. m.—Scranton Florists' Club, Guernsey building.

Seattle, Wash., May 17.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

St. Paul, Minn., May 17, 8 p. m.—Minnesota State Florists' Association, 519 Snelling avenue, north.



## Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

**Situation Wanted**—By a young man, aged 24; understands greenhouse and store work; eight years' experience.  
Key 519, care American Florist.

**Situation Wanted**—Good lady designer and saleslady, nine years' experience in the best class of retail trade design position in good class store.  
Key 521, care American Florist.

**Situation Wanted**—Commercial grower of roses, carnations, chrysanthemums and pot plants is open to engagement; middle aged man, single, good references. Address  
Key 513, care American Florist.

**Situation Wanted**—As working foreman; German, single; 18 years' experience in growing roses, carnations, mums, bulbs and general stock plants; also good designer and decorator; sober, honest and good worker; have the best of references; can take full charge of any place; state wages.  
Key 506, care American Florist.

**Help Wanted**—Men for bedding out; good wages.  
MOUNT GREENWOOD CEMETERY, Morgan Park, Ill.

**Help Wanted**—Experienced designer and salesman in Chicago retail store. Address  
Key 522, care American Florist.

**Help Wanted**—Experienced man or woman to run flower store and have interest in success.  
Key 510, care American Florist.

**Help Wanted**—For greenhouse work; three or four good potters. Apply to  
BASSETT & WASHBURN, Hinsdale, Ill.

**Help Wanted**—Steamfitter, wages \$15.00 per week, steady employment; call or write.  
GEO. KEINBERG, 2357 Balmoral Ave., Chicago

**Help Wanted**—At once, married man for rose and carnation grower to work under a foreman; salary \$50.00 a month with house, rent free.  
IDLE HOUR NURSERIES, Macon, Ga.

**Help Wanted**—Gardener somewhat familiar with orchid culture to work under foreman; wages \$14.00 per week; call or write  
GEO. KEINBERG, 2357 Balmoral Ave., Chicago

**Help Wanted**—Florist with experience in growing choice pot plants; wages \$15.00 per week; send copy of references and particulars in first letter.  
Key 520, care American Florist.

**Help Wanted**—Immediately, reliable, intelligent, energetic young man, assistant to foreman in cemetery; wages, \$12 per week; state experience and reference.  
BOX 283, Carthage, Mo.

**Help Wanted**—Competent assistant or manager for retail city store, must understand designing; state age, experience and salary required; answer quick.  
CENTRAL FLORISTS Kalamazoo, Mich.

**Help Wanted**—Young man experienced in perennials; state experience salary wanted, etc. in first letter. Steady work for right man; 24 miles from Chicago.  
Address Key 514, care American Florist.

**Help Wanted**—Thoroughly competent man on an up-to-date place of 32,000 square feet of glass, where carnations, roses, mums, bedding plants and general stock are grown. Send reference and state wages wanted with inquiry.  
AUGUST VON BORSELAGER, Mt Clemens, Mich.

**Help Wanted**—A middle-aged man to grow roses, mums and carnations, American Beauties in particular; private place near Philadelphia; will have 5000 ft. of glass to look after for the above mentioned plants; all modern convenience. Please answer the following questions: How long in rose houses; where and for whom; salary received; how long in different places.  
J. F. CLARK, Torresdale, Pa.

**For Sale or Rent**—40,000 square feet of glass, in good location; needs partial rebuilding; rent accordingly, or will sell at reasonable price.  
Key 460, care American Florist.

**For Sale**—3,000 feet of soil pipe with fittings (except valves) 10c per foot. 18 4-inch valves cheap. One boiler, hot water, 3x10 feet; 3-inch return flues, \$50.00. One upright boiler 3x6 feet, 52 1 1/2-inch flues, \$25.00.  
D. C. & M. A. NOBLE, Columbia City, Ind.

**For Sale**—Good greenhouse in one of the most desirable towns, in excellent location; three railroads making good shipping center. A soap. Apply to  
W. M. BALLARD, Perry, Iowa.

**For Sale**—Because of advancing age will sell my fine florist business in a live western town with out-of-town trade for 150 miles around; no competition. Key 512, care American Florist.

**For Rent Store**—One of the prettiest flower stores in the country; no risk to one who understands the business; fully furnished; right in the heart of Cleveland. Address  
TAYLOR ARCADE, Cleveland.

## WANTED.

Seedsmen capable of earning \$1000 per year. State fully your experience in seed business. Address  
Key 494, care American Florist.

## FOR SALE

Second-hand Greenhouse Bars, 16, 14, 11 and 9 ft. lengths, 1c per ft.

Ventilators, with glass, 6 1/2 x 2 ft., \$1.00.

WIETOR BROS., 51 Wabash Ave., Chicago

## WANTED

Rose growers; men capable and experienced in growing American Beauties in sections; good wages and desirable positions.

HELLER BROS., New Castle, Ind.

## For Sale.

Who wants good location for green house and nursery close by fine cemetery? I have it for sale.

J. S. HOVLAND, Room 1011,  
Phone Main 455, 138 Washington St., Chicago

## FOR SALE.

A Chance of a Lifetime.

A good paying up-to-date cut flower store in excellent locality of one of the best western cities; low rental. This is worth investigation. Reasons: too much other business. Address  
Key 504, care American Florist.

## Wanted, Nurseryman

To take charge of outdoor department; must be competent to propagate and keep up stock of ornamental and flowering shrubs, herbaceous plants and perennials. Apply with reference and salary expected.

Address, Key 511, care Am. Florist.

## WANTED.

A Small Retail Cut Flower Store, doing a good business in a live city where there is a chance for growing by a party who has had thirty-five years' experience in all branches of the business; honest, strictly sober and industrious; in or near Philadelphia or Middle West preferred.

Key 518, care American Florist.

## Foreman Wanted.

\$20.00 per Week.

Advertiser wants a strictly first-class florist. One who understands bedding plants and capable of taking full charge. Salary \$20.00 per week. Must have first-class references. Single man preferred.

Address

JOHN M. BELL, Glencoe, Ill.

## Opportunity of a Lifetime

### FOR SALE

A well established, money-making, up-to-date wholesale commission company in Denver, Colo., dealing in cut flowers and florists' supplies. No competition. Only small amount of cash required. Address all communications to

N. A. BENSON,

1360 So. Sherman St., DENVER, COLO.

# Offer Them Now

## ALL SPECIALTIES

For Cemetery Use  
All Bedding Plants  
Window Box Stock  
Plants for Vases

The season is three weeks early, and the growers will get left who do not clean out their surpluses

## WHILE DEMAND IS STRONG



# ROSES

Are our leading feature, and the cool weather of the past few weeks has put our stock into the best possible condition for shipping long or short distances. The flowers are excellent in every way, large, of fine color, and with strong, well leaved stems.

WE HAVE ALL THE BEST VARIETIES, AND

## There are No Better Roses Grown Than Ours

Write or Wire If You Want the Best Stock Properly Packed.

| AMERICAN BEAUTIES         |               | Per doz.                 |
|---------------------------|---------------|--------------------------|
| Per doz.                  | 20 inch stems | \$1.50                   |
| Extra long stems \$3.00   | 18-inch stems | 1.25                     |
| 30 inch stems 2.50        | 15 inch stems | 1.00                     |
| 24 inch stems 2.00        | Short stems   | .75                      |
| My Maryland and Killarney |               | Per 100 \$4.00 to \$8.00 |

|                                              |                  |
|----------------------------------------------|------------------|
| Chatenay, Richmond, Mrs. Field, Uncle John,  | Per 100          |
| Bride, Bridesmaid, Ivory, Sunrise and Perle. | \$4.00 to \$6.00 |
| ROSES, our selection                         | 3.00             |
| Carnations                                   | \$2.00 to \$3.00 |
| Harrisil                                     | Per 100 12.50    |
| Valley                                       | 3.00 to 4.00     |
| Adiantum                                     | 1.00             |
| Asparagus, per bunch                         | .50              |
| Ferns, per 1000                              | 2 50             |

2,000,000 FEET OF MODERN GLASS.

## Peter Reinberg, 35 Randolph St., CHICAGO.

# No Complaints

It makes no difference where our stock goes. Its fine quality, the care taken in packing and shipping just at the right time insures its safe arrival and in the best possible condition. **Bride** and **Bridesmaid** roses continue in the finest order. **Richmond** we have in superb flowers with long stems and ample foliage. **Carnations** are fine and it goes without saying that we have

## Everybody Satisfied

who has favored us with orders, no matter what the distance shipped. Repeat orders prove this and, while we are anxious to secure new customers, the approval of our old ones is even more appreciated. We are long on **Roses** of all kinds, **Gladioli**, **Peonies** and **Valley**. **Sweet Peas** have been scarce as have **White Carnations**, but we can take care of you. Let us get acquainted.

We Give Personal Attention to All Orders.

## ZECH & MANN, Room 218 51 Wabash Avenue, Chicago Telephone Central 3284

### Chicago.

#### WHITE CARNATIONS SCARCE.

Although trade is not rushing there has been far more stock handled this week than the average for the middle of May. Indoor flowers are remarkably good for the season, the cool weather keeping the plants in track, and this, combined with a decided shortage in all outdoor stock, makes a good demand and keeps things moving. The out-of-town trade may best be described as a good, steady demand for medium priced and good stock. Mothers' day created a large demand for white carnations and the prices by the end of the week had mounted to six cents for the best stock. This is not altogether an un-mixed good. Everything that creates a demand for flowers is to be encouraged, but when a certain flower—and, in this case, a certain color as well—is run on, it simply causes a scarcity of that particular kind and dwarfs the amount of business done by forcing the price up to an abnormal figure. The idea that one's mother can only be honored by wearing one kind of flower is not bene-

ficial to the trade, especially when it is a flower like the carnation, that is in vogue the year around. Make it a day to wear a flower by all means, and also to carry a few flowers or a wreath to the grave of those who have been near and dear, but get customers away from the one flower idea if possible. While the automobile parade was the outlet for quite a little stock of various kinds, the weather on Saturday was very discouraging and the natural flower bedecked cars had to give way to those with artificial decorations and put up with a postponement. This was unfortunate in view of the fact that those decorating their cars will be led to think more of artificial than natural flowers for the purpose should the parade be repeated.

American Beauty roses are still coming in fine form and there is practically no change in the prices. Kaiserin is beginning to be a factor in the market, the flowers arriving being clean and of fine substance, with good stems and foliage. Mrs. Marshall Field is also coming in considerable quantity, but the weather is still too cool for this purely summer

rose and its full beauty is not yet. Mrs. Jardine is a revelation. Those of us who thought the eastern men were too enthusiastic over this rose a year or two back have had ample cause since then to change our opinions, and Mrs. Jardine is certainly making good as a fine rose the year around. Richmond is in better form now and there is the usual quantity of the other popular kinds being shown. Short roses for funeral work, especially white, have been on the scarce side this week. Carnations keep up in quality remarkably well and they are worth the price asked. Good reds and pinks were plentiful all through the week. It is difficult to account for the scarcity of good sweet peas. The weather has been suitable and not too hot, yet the quantity and quality of the flowers is far below what it should be. Gladioli are coming in great shape, the lighter forms especially being splendid. The dark reds are handsome, but the spikes generally not so well flowered. That is, there are not sufficient buds open at one time to make a good display. The pretty blue cornflowers have appeared and make a welcome



# BEAUTIES

Very Large Crop  
of Long Stems

They are the best quality in this market. Also a

## Big Cut of Roses and Carnations

BUY DIRECT OF THE GROWER

### Current Price List

| American Beauties                                      |  | Per doz.       | White and Pink Killarney,<br>Richmonds, Maids, Perles and Brides |        |                | Miscellaneous                                |                | Per 100 |  |
|--------------------------------------------------------|--|----------------|------------------------------------------------------------------|--------|----------------|----------------------------------------------|----------------|---------|--|
| Extra long.....                                        |  | \$3 00         | Extra long and select, per 100....                               | \$3 00 | Per 100        | Asparagus Sprays, per 100.....               | \$3 00 to 4 00 | Per 100 |  |
| 30-36-inch.....                                        |  | 2 50           |                                                                  |        |                | Asparagus Strings .....                      | 50             |         |  |
| 24-inch.....                                           |  | 2 00           |                                                                  |        |                | Sprengerl, per 100.....                      | 2 00 to 3 00   |         |  |
| 18-inch.....                                           |  | \$1 00 to 1 50 |                                                                  |        |                | Smilax, very long and heavy,<br>per doz..... | 2 50           |         |  |
| Short stems, per 100, \$3 00 to \$4 00                 |  |                | Good lengths, per 100.....                                       |        | 6 00           | Adiantum, per 100.....                       | 1 00           |         |  |
| Carnations                                             |  | Per 100        | Medium lengths, per 100.....                                     |        | \$4 00 to 5 00 | Galax, green orbronce, per 1000..            | 1 00           |         |  |
| Fancy red extra long O.P. Bassett.                     |  | \$3 00         | Short lengths.....                                               |        | 2 00 to 3 00   | New Ferns, per 1000.....                     | 2 00           |         |  |
| Fancy White Enchantress.....                           |  | \$3 00 to 4 00 | Miscellaneous                                                    |        |                |                                              |                |         |  |
| Fancy Pink Enchantress and<br>Winsor.....              |  | 3 00           | Lily of the Valley per 100.....                                  | \$3 00 |                |                                              |                |         |  |
|                                                        |  |                | Sweet Peas, per 100.....                                         | \$1 00 |                |                                              |                |         |  |
| New Common Ferns, from the south, large and fresh..... |  |                |                                                                  |        |                | 2 00 per 1000                                |                |         |  |

New Common Ferns, from the south, large and fresh..... 2 00 per 1000

## Bassett & Washburn

Store and Office: 76 Wabash Ave.,

CHICAGO

Greenhouses: HINSDALE, ILL.

# WIETOR BROS.

51 Wabash Ave., CHICAGO

Wholesale Growers of Cut Flowers

### PRICE LIST

|                              |  |                          |                                    |                          |                                                |                        |
|------------------------------|--|--------------------------|------------------------------------|--------------------------|------------------------------------------------|------------------------|
| <b>American Beauties,</b>    |  | <b>Per doz.</b>          | <b>Richmond, fancy.....</b>        | <b>\$6 00 to \$ 8 00</b> | <b>Carnations, extra fancy.....</b>            | <b>\$3 00</b>          |
| Extra long.....              |  | \$ 3 00                  | short to medium.....               | 2 00 to 4 00             | good.....                                      | 2 00                   |
| 36-inch stems.....           |  | 2 50                     | <b>Mrs. Jardine, fancy.....</b>    | 6 00 to 8 00             | <b>Easter Lilies, short \$2 00 per doz.</b>    |                        |
| 30-inch stems.....           |  | 2 00                     | short to medium.....               | 2 00 to 4 00             | <b>Valley.....</b>                             | <b>\$ 3 00 to 4 00</b> |
| 24-inch stems.....           |  | 1 50                     | <b>White Killarney, fancy.....</b> | 4 00 to 8 00             | <b>Asparagus Plumosus,</b>                     |                        |
| 20-inch stems.....           |  | 1 00                     | <b>Brides and Maids.....</b>       | 3 00 to 6 00             | extra quality, per bunch.....                  | 75c                    |
| 12-inch stems.....           |  | 75                       | <b>Uncle John.....</b>             | 3 00 to 6 00             | <b>Fancy Ferns, per 1000.....</b>              | <b>\$2 50</b>          |
| Short.....                   |  | 50                       | <b>Kaiserin.....</b>               | 3 00 to 8 00             |                                                |                        |
|                              |  | <b>Per 100</b>           |                                    |                          |                                                |                        |
| <b>Killarney, fancy.....</b> |  | <b>\$6 00 to \$ 8 00</b> |                                    |                          | <b>All other stock at lowest market rates.</b> |                        |
| short to medium.....         |  | 2 00 to 4 00             |                                    |                          | Prices subject to change without notice.       |                        |
|                              |  |                          |                                    |                          | No charge for packing.                         |                        |
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bit of color. Orchids are numerous and of good quality, Cattleya Mossiae predominating. The outdoor Lily of the valley is slightly improved, but is far from good. That from indoors is plentiful and of good quality. Peonies are becoming more plentiful daily, but all we have seen show plainly the effects of the cold snap and are not up to the usual fine form. There is still plenty of variety in the smaller stocks.

#### NOTES.

There was a good attendance at the regular meeting of the Florists' Club May 5, President Asmus in the chair. Vice-president Philpott, all the way from Winnipeg, was again on hand. A. A. Vermeier, care Nelson Bros., Marquette building, was elected a member. P. J. Saunders, 4901 Cottage Grove avenue, and George Grimm.

Peoria street, were nominated for membership. The subjects discussed included prospects of peonies for Memorial day and the scarcity of white carnations for Mother's day. President Asmus suggested that the trade recommend colored carnations where the mothers are still living, white to be reserved as an exclusive token of the departed.

Zech & Mann have been very busy with out-of-town orders. While speaking to John Zech on Monday he had three long-distance calls in about the same number of minutes, one from Iowa, one from Michigan and one from southern Illinois, showing that the good stock handled here and the careful attention given to packing and shipping are well repaid. We noted some remarkably fine white antirrhinums here as well as good stock in

all the popular roses and carnations.

Mothers' day created a big demand at Peter Reinberg's, the long distance shipments of white carnations beginning on Wednesday night, those going to less distant points going out on Thursday and Friday. The local as well as the out-of-town trade has been very brisk here this week. Richmond roses have been of exceptionally fine quality, also Brides and Maids. The Beauty cut is still in strong and the flowers coming in are fine in every way.

The Fleischman Floral Co. did good work at the automobile parade. The large car decorated in Killarney roses for Tom Murray was a splendid effort and richly deserved all the encomiums passed upon it. Trade at the store has been well above the average. Some magnificent hydrangeas from



# ALL OF OUR STOCK

Is in first-rate condition, and we have plenty of it in all lines, but we wish to call special attention to our

## LONG STEMMED BEAUTIES

They are undoubtedly the best in this market, and cannot be beaten on any other. The foliage is good, the flowers of fine color, and they have not a fault.

**Our Roses, Carnations** and other flowers are perfect, and we are in full cut on all popular varieties. We are paying especial attention to out-of-town orders, and our facilities for shipping are of the best and most up-to-date.

Let Us Have Your Next Order.

Our Summer ROSES are coming in excellent order.

Kaiserin, Mrs. Jardine and Field are especially good.

# J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations  
A Specialty.....

WHOLESALE  
GROWER of

# CUT FLOWERS

## BEAUTIES STILL IN THE LEAD

Our Beauties are the talk of the market. They are still coming in large quantities and in all grades. All are good, whether short, medium or long-stemmed, and sure to give satisfaction.

### A FEW OF OUR SPECIALS FOR THIS WEEK:

|                               |                           |                     |                          |
|-------------------------------|---------------------------|---------------------|--------------------------|
| Beauties.....                 | \$4.00 to \$20.00 per 100 | Carnations.....     | \$2.00 to \$3.00 per 100 |
| Kaiserin and My Maryland..... | 5.00 to 8.00 per 100      | Fancy Gladioli..... | 1.50 to 2.00 per doz.    |
| Brides and Maids.....         | 4.00 to 6.00 per 100      | Peonies.....        | .50 to 1.00 per doz.     |

We also have fine stock of all other Roses, Lilies, Callas, Gladioli, Fancy Valley, and all kinds of Greens, including Fancy Ferns, Galax, Leucothoe, Mexican Ivy, Etc.

Wire or Write Us for Prices on Large Quantities

# VAUGHAN & SPERRY

Long Distance Phone,  
Central 2571.

52-54 Wabash Ave., CHICAGO

that well known grower, J. A. Peterson of Cincinnati, sold almost as soon as they were unpacked and there has been a big demand for all classes of decorative work.

The Bohannon Floral Co. is out after the steamer business with a large model of an Atlantic liner in the window. A pretty idea of Bohannon's is white steamer trunks in various sizes for filling with flowers and sending to steamers sailing from various ports. Thos. Young, Jr., New York, is handling these in that city and filling them to the order of the above firm. They are a cut above the ordinary in attractiveness.

Bassett & Washburn's Beauties are still coming in fine shape as are Killarney, Rhea Reid and Kaiserin. Rhea Reid sells like hot cakes according to Mr. Washburn. He reports trade as excellent and says they could not begin to fill the orders for white carnations for Mothers' day. They managed in some cases to get customers to take white roses, but even at that could have sold another 50,000 had they been at command.

Fred Strail, for some time in the employ of Aug. Lange, and more recently with the Bohannon Floral Co., will start in business at once in the Wellington hotel building on Jackson

### "The Busiest House in Chicago"

STOCK promises to be scarce for Decoration Day, and advance orders are already arriving. So get your orders in early. In the meantime we are in an especially strong position to take care of any of your cut flower needs. Let us hear from you.

## J. B. DEAMUD CO.

51-53 Wabash Ave.,

CHICAGO

boulevard. He has a partner, Henry H. Hahn, and the firm name will be Strail & Hahn. All Fred's many friends wish him success in his new venture, which seems likely, as he has a fine location and a neat store.

At Vaughan & Sperry's Mother's day just about doubled the business. On Wednesday, Thursday and Friday orders kept tumbling in for white carnations and they were well prepared for them with good stock.

Beauties are still a leading feature here, the flowers coming in all lengths and of the best quality. Good gladioli in the light and dark shades are also shown.

Excellent flowers of Cattleya Mossiae have been coming to Geo. Reinberg's all the week as well as good stock in all the principal varieties of roses and carnations. Pot roses are offered here. Beauty plants, potted in 6-inch from the benches after being



# Cut Flowers \* E. H. HUNT \*

FOR ALL OCCASIONS.  
FLORISTS' SUPPLIES TOO.

— SEND FOR PRICE LIST. —  
76 Wabash Avenue, CHICAGO.

## KYLE & FOERSTER,

W. P. KYLE.

51 Wabash Ave.,

CONSIGNORS SOLICITED.

Wholesale Florists.

L. D. Phone  
Randolph 3619.

JOSEPH FOERSTER

CHICAGO

## KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., Chicago  
L. D. Phone, Central 466.

We will have anything in the line of  
**CUT FLOWERS and GREENS**  
that you may want if anybody has it, at  
Chicago market prices on day of shipment.

## A. L. Randall Co.

19-21 Randolph St.,  
CHICAGO.

L. D. Phone Central 1496. Private Exchange  
All Departments. If you do not receive our  
price list regularly send for it.

cut down. The should be good sellers  
for Memorial day.

Business has been booming at the  
J. B. Deamud Co.'s this week. The  
first consignments of the double white  
narcissus have arrived in fine con-  
dition and sell on sight. Good gladi-  
oli in light and dark shades are also  
being handled, and a large supply is  
promised for Memorial day.

At J. A. Budlong's Mrs. Jardine rose  
is a specialty. The flowers are excel-  
lent in every way, of fine substance  
and color and have good stems. Other  
summer roses shown are Field and  
Kaiserin, the latter in especially good  
order.

Hoerber Bros. made a very lucky  
strike with white carnations for Mothers'  
day. All the carnations, in fact,  
have been coming in good and in  
large quantities. Winsor and En-  
chantress have been particularly good.

Wietor Bros. have been showing excel-  
lent Kaiserin roses during the  
week. All the best varieties of car-  
nations are in good order and busi-  
ness is good. Victory, in reds, has  
been a leader.

John Kruchten made a flying trip  
to Omaha the end of last week, stay-  
ing only a short time. He says every-  
body appeared to be busy. Business  
at the stores has been good.

In addition to large stocks of peo-  
nies, Kennicott Bros. Co. has been  
handling a fine line of outdoor lilac,  
quite the best we have seen on the  
market this season.

Visitors: Wm. Swirbank, Sycamore;  
J. A. Peterson, Cincinnati, O.;  
Harry A. Philpott, Winnipeg, Man.;  
Geo. Heintz, Toledo, O.; Peter Obertin,  
Kenosha, Wis.; F. L. Stuppy, St.  
Joseph, Mo.; Meinhardt, Webb  
City, Mo.; W. D. Desmond, Minneapo-  
lis, Minn.; Martin Reukauf, Philadel-  
phia, Pa.

## E. C. AMLING

THE LARGEST,  
BEST EQUIPPED,  
MOST CENTRALLY LOCATED  
WHOLESALE  
CUT FLOWER HOUSE  
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,  
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

## Wholesale Flower Markets

| CHICAGO, May 11.                      |            |       |
|---------------------------------------|------------|-------|
| Roses, Beauty, extra select...        | 4 00       |       |
| " " specials.....                     | 3 00       |       |
| " " 36 in.....                        | 2 50       |       |
| " " 30 in.....                        | 2 00       |       |
| " " 18 in.....                        | 1 50       |       |
| " " 15 in.....                        | 1 00       |       |
| " " Short.....                        | 75         |       |
| Per 100                               |            |       |
| " Bride, Bridesmaid, select..         | 4 00@ 8 00 |       |
| " " medium.....                       | 2 00@ 3 00 |       |
| " Killarney, select ..                | 5 00@10 00 |       |
| " " medium and short.....             | 2 00@ 4 00 |       |
| " Mrs. Jardine.....                   | 4 00@ 8 00 |       |
| " Mrs. Potter Palmer.....             | 2 00@ 6 00 |       |
| " My Maryland.....                    | 3 00@ 8 00 |       |
| " Perle.....                          | 2 00@ 6 00 |       |
| " Richmond.....                       | 3 00@ 8 00 |       |
| " Uncle John.....                     | 3 00@ 8 00 |       |
| " White Killarney, select.....        | 4 00@10 00 |       |
| " " medium.....                       | 2 00@ 3 00 |       |
| Carnations, select fancy.....         | 2 50@ 3 00 |       |
| " " white.....                        | 3 00       |       |
| " " common and splits.....            | 75         |       |
| Callas..... per doz.,                 | 1 50       |       |
| Lilium Harrisii..... per doz.,        | 2 00       | 12 50 |
| Lily of the Valley.....               | 2 00@ 4 00 |       |
| Mignonette.....                       | 3 00@ 8 00 |       |
| Narcissus.....                        | 2 00@ 3 00 |       |
| Orchids..... per doz.,                | 6 00@ 9 00 |       |
| Sweet Peas.....                       | 60@ 1 00   |       |
| Adiantum..... per 100,                | 1 50       |       |
| Asparagus Plum. strings, each,        | 60@        | 75    |
| " " sprays.....                       | 3 00@ 4 00 |       |
| " Sprengeri.....                      | 3 00@ 4 00 |       |
| Boxwood..... per bunch, 25c per caes. | 7 50       |       |
| Ferns..... per 1000,                  | 2 50       |       |
| Smilax.....                           | 2 00       |       |

### BOWLING.

#### Individual Standing.

|                  | Games. | Total Pins. | Average. |
|------------------|--------|-------------|----------|
| L. Vaughan.....  | 3      | 548         | 182 2-3  |
| E. Johnson.....  | 3      | 541         | 180 1-3  |
| E. Farley.....   | 6      | 1,009       | 168 1-6  |
| J. Huebner.....  | 6      | 1,009       | 168 1-6  |
| Wm. Graff.....   | 6      | 969         | 161 3-6  |
| Pasternick.....  | 6      | 968         | 161 2-6  |
| Wrezosowski..... | 3      | 480         | 160      |
| Bergman.....     | 6      | 937         | 156 1-6  |
| Asmus.....       | 3      | 469         | 156 1-3  |
| Yarnall.....     | 6      | 867         | 144 3-6  |
| Wolf.....        | 3      | 428         | 142 2-3  |
| Lieberman.....   | 6      | 831         | 138 3-6  |
| Goerisch.....    | 3      | 404         | 134 2-3  |
| Winterson.....   | 3      | 398         | 132 2-3  |
| Ayres.....       | 3      | 362         | 120 2-3  |
| Krauss.....      | 3      | 359         | 119 2-3  |
| Vogel.....       | 3      | 358         | 119 1-3  |

(OTHER CHICAGO NOTES ON PAGE 771.)

## CHAS. W. McKELLAR,

51 Wabash Ave.  
CHICAGO.

## ORCHIDS

A Specialty

Fancy Stock in Peonies,  
Valley, Roses, Beauties,  
Carnations and a full line  
of all Cut Flowers, Greens,  
Wire-Work and Florists'  
Supplies.

Send for Complete  
Catalogue.

## POEHLMANN BROS. CO.

Wholesale Growers of and Dealers in

## Cut Flowers

All telegraph and telephone orders  
given prompt attention.

Greenhouses 32-37 Randolph St.  
MORTON GROVE, ILL. CHICAGO.

## Quality Counts..

Let us have your next order for  
**Roses and Carnations**  
and other Seasonable Flowers.

JOHN KRUCHTEN,  
51 Wabash Ave., CHICAGO.

## WIETOR BROS.

Wholesale **Cut Flowers**  
Growers of

All telegraph and telephone orders gives  
prompt attention.

51 Wabash Ave.. CHICAGO.



## HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 51 Wabash Avenue CHICAGO

IRONWOOD, MICH.—R. Lutey is to  
erect a new greenhouse which will be  
considerably larger than his present  
one.



## American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

## Rice Brothers

Wholesale Florists and Supplies,

115 N. 6th St., MINNEAPOLIS, MINN.

Cut Flowers received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities.

## THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

## Weiland & Olinger

128 E. Third S., CINCINNATI, O.

Wholesale Growers and Shippers of Cut Flowers.

St. Louis.

WARMER WEATHER WANTED.

The past week has been a very disagreeable one, rain nearly all week. Stock has been very plentiful, long-stemmed, medium and short American Beauty roses in large quantities. White carnations had somewhat of a boom with the wholesalers and the prices on these stiffened, but reports from some of the retailers show light Mothers' day business. One prominent down-town dealer told the writer he had not sold a hundred. The hardy ferns this year are badly spotted and frost-bitten and in many places the wild adiantum is brown from the frost. Trade in general has been very dull, stock in many of the wholesale houses going to the rubbish pile. Perhaps with predicted warmer and fair weather things will change. Bedding and planting out has started, but has been delayed greatly by the very unseasonable weather of the past week.

### NOTES.

C. Loveridge and wife, who are attending the Traveling Men's convention here, visited the wholesale district and also the prominent retailers. Mr. Loveridge has 60,000 feet of glass at Peoria, Ill., and does a retail business, shipping the surplus to C. A. Kuehn and Geo. Angermueller of this city.

The Retail Florists' Association has sent out circular letters this week signed by Secretary H. C. Weber, Jr., asking the co-operation of all florists in helping to keep the retail business in its legitimate channels and co-operate with the society in maintaining its rights.

There will be quite a bit of excitement when the Bentzen Floral Co.'s baseball team and the C. Young & Sons Co.'s meet. Young's team is looking for revenge. The game will take place at the florists' picnic.

C. A. Kuehn and the W. C. Smith Wholesale Floral Co. are busy in their respective wire departments manufacturing hanging baskets for the local and out-of-town trade.

## Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

## HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

## Wholesale Flower Markets

| BOSTON, May 11.          |             | Per 100 |
|--------------------------|-------------|---------|
| Roses, Beauty, best      | 25 00@30 00 |         |
| " " medium               | 15 00@20 00 |         |
| " " culls                | 5 00@10 00  |         |
| " Bride, Bridesmaid      | 1 00@4 00   |         |
| " " Extra                | 5 00@8 00   |         |
| " Killarney and Richmond | 2 00@8 00   |         |
| " My Maryland            | 1 0 @8 00   |         |
| " Carnot                 | 2 0 @12 00  |         |
| Carnations               | 1 0 @2 00   |         |
| " selected               | 2 00@3 00   |         |
| Callas                   | 8 00@10 00  |         |
| Cattleyas                | 35 0 @50 00 |         |
| Lilium Longiflorum       | 8 00@10 00  |         |
| Lily of the Valley       | 2 00@3 00   |         |
| Smilax                   | 12 00@16 00 |         |

| ST. LOUIS, May 11.        |             | Per 100 |
|---------------------------|-------------|---------|
| Roses, Beauty, long stems | 15 00@20 00 |         |
| " " medium stems          | 8 30@12 50  |         |
| " " short stems           | 2 00@4 00   |         |
| " Bride, Bridesmaid       | 3 00@5 00   |         |
| " Killarney               | 3 00@6 00   |         |
| " My Maryland             | 3 00@6 00   |         |
| " Richmond                | 3 00@6 00   |         |
| Carnations                | 1 00@2 00   |         |
| " fancy                   | 2 00@3 00   |         |
| Callas                    | 8 00@10 00  |         |
| Easter Lilies             | 6 0 @10 00  |         |
| Sweet Peas                | 20 @ 50     |         |
| Adiantum                  | 1 50        |         |
| Asparagus Sprengeri       | 2 00@3 00   |         |
| Smilax                    | 12 50@15 00 |         |

| CINCINNATI, May 11.           |             | Per 100 |
|-------------------------------|-------------|---------|
| Roses, Beauty                 | 1 00@4 00   |         |
| " Bride, Bridesmaid           | 2 00@6 00   |         |
| " Golden Gate                 | 2 00@6 00   |         |
| " Killarney                   | 2 00@6 00   |         |
| " Richmond                    | 2 00@6 00   |         |
| Carnations                    | 1 00@3 00   |         |
| Callas                        | 10 00       |         |
| Daffodils                     | 2 00        |         |
| Daisies                       | 50          |         |
| Lilium Longiflorum            | 10 00@12 50 |         |
| Lily of the Valley            | 3 00@4 00   |         |
| Narcissus, Paper White        | 3 00        |         |
| Sweet Peas                    | 50 @ 75     |         |
| Tulips                        | 3 00@4 00   |         |
| Adiantum                      | 1 00@1 50   |         |
| Asparagus Sprengeri, per bch. | 25          |         |
| Smilax                        | 12 50@20 00 |         |

| MILWAUKEE, May 11.     |             | Per 100 |
|------------------------|-------------|---------|
| Roses, Beauty          | 6 00@30 00  |         |
| " Bride Bridesmaid     | 3 00@8 00   |         |
| " Killarney            | 4 00@8 00   |         |
| " Liberty, Chatenay    | 2 00@8 00   |         |
| " Perle                | 3 00@6 00   |         |
| " Richmond             | 4 00@8 00   |         |
| Carnations             | 2 00@4 00   |         |
| Lilium Giganteum       | 10 00@12 50 |         |
| Lily of the Valley     | 4 00        |         |
| " Trumpet Major        | 2 00@3 00   |         |
| Snap Dragon            | 4 00@8 00   |         |
| Swausona, per bunch    | 50          |         |
| Sweet Peas             | 50 @ 1 00   |         |
| Tulips                 | 2 00@3 00   |         |
| Adiantum               | 1 50        |         |
| Asparagus              | 50 @ 60     |         |
| " Plumosus, per bunch  | 50          |         |
| " Sprengeri            | 35          |         |
| Ferns, Fancy, per 1000 | 2 50        |         |

The Kelley Floral Co. has a fine assortment of blooming plants. This firm handles a large quantity of gold-fish and prepared ferns.

The Riessen Floral Co. reports sales as slow, but Mr. Buechel says there is always a good demand for American Beauty roses.

The Ladies' Florists' Club met May 9 at Trimp's hotel. The meeting was

—THE—  
J.M. McCullough's Sons Co.,  
Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES  
SEEDS and BULBS.

Price List on application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Mention the American Florist when writing

## H. G. BERNING,

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

Mention the American Florist when writing

## C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

## WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Both L. D. Phones.

Supplies and Everything in Season always on hand

## William Murphy,

Wholesale Commission

FLORIST

311 Main Street, CINCINNATI, OHIO.

presided over by Miss Tillie Meinhardt.

The Florists' Club will meet Thursday, May 12, and President Windler hopes to see a good attendance.

Fred Bruenig has a fine house of hydrangeas in all sizes, also a fine assortment of ferns.

Alex Siegel reports trade as good. Anyway, Alex is a daily buyer at the market.

W. J. Edwards is still cutting some good sweet peas.

W. F.



# Your Decoration Day Order

Will be well taken care of if placed with us, and we can give you big value in

## Carnations, Peonies, Roses.

We will be pleased to quote you prices.

THE LEO NIESSEN CO., Business Hours: 7 a. m. to 8 p. m. Wholesale Florists, 1209 Arch Street, Philadelphia, Pa.

### Pittsburg Florists' Exchange

Wholesale Cut Flowers

Everything Seasonable

Headquarters for Ferns, Galax and Leucothoe, and carry a large supply of the best on hand at all times. We quote the following interesting prices on small or large quantities.

Ferns, fancy and daggers, \$1.50 per 1000  
Galax, green and bronze 65c per 1000.  
Leucothoe, green and bronze 65c per 100.

15 Diamond Square, PITTSBURG, PA.

Wanted a Good Plumose Shipper.

JOHN W. MCINTYRE, Wholesale Florist Specialties,  
1601 Ranstead St., above Chestnut, Philadelphia.  
Phones Bell, Spruce 63 74 A. Keystone Race 20-42

#### Philadelphia.

BIG TRADE ON MOTHER'S DAY.

The feature of the week was the demand on Saturday for Mothers' day flowers, particularly white carnations. These were in great demand and, although the trade generally expected a lively business and were prepared for it, there was a general clean up, particularly in the residence districts where not only white carnations but all colors and late in the day everything sold just so it was a flower. The central city stores felt the call and while they did considerable business on account of the holiday, there was not the eager buying of the home centers and some white carnations were carried over. The street men who sold out so quickly last year laid in extra large stocks and in some cases did not turn over completely. One street dealer having laid in something over 10,000 flowers had nearly one-third left. The sales, however, were much larger and the general observance of the day much greater, extending over more local territory than last year. In nearly all the churches and Sunday schools the sermons and lessons alluded to or had mother's love or devotion as their text. Carnations were sold in quantities to these bodies to be given away, which was also the custom in many lodges and societies. One, if not more, of the large department stores provided a white carnation for each of their thousands of employees which was worn on Saturday as well as the day following. Prices, considering the demand, were not very high, \$4 to \$6 being the price for good stock, with a few of the fancy bringing \$8 and some exceptional flowers as high as \$10. The florists of the country certainly owe a debt of gratitude to Miss Jarvis who, in founding Mother's day, has added another floral holiday, and given to the business of the early days of May, a much-needed impetus which promises to increase and grow into an event of great importance. The general stock of flowers is considerably in excess of the demand. Splendid Beauties are selling very low, as are many other varieties of roses. A writer says Jardine leads among the pink varieties. We wonder where to, not cer-

— OUR SUMMER CUT OF —

## Beauties, Kaiserins, Killarneys

Is now on. This stock will please you.

McCALLUM CO., 937 Liberty Ave. Pittsburg

## Pittsburgh Cut Flower Co.,

Wholesale Florists and Growers,

The House that has and sells good goods at fair prices.

Salesrooms, 222 Oliver Ave.

PITTSBURGH, PA.

## Wholesale Flower Markets

| PHILADELPHIA, May 11.     | Per 100     |
|---------------------------|-------------|
| Roses, Beauty, extra..... | 20 00@25 00 |
| first .....               | 10 00@15 00 |
| Brides and Maids.....     | 4 00@ 6 00  |
| Tea.....                  | 4 00@ 6 00  |
| extra .....               | 8 00@12 00  |
| Carnations.....           | 2 00@ 4 00  |
| Callas.....               | 8 00@10 00  |
| Cattleyas.....            | 40 00@50 00 |
| Lilium Harrisii.....      | 8 00@10 00  |
| Lily of the Valley.....   | 4 00@ 5 00  |
| Mignonette.....           | 3 00@ 4 00  |
| Snaphdragons.....         | 8 00@12 00  |
| Sweet Peas.....           | 75@ 1 00    |
| Adiantum.....             | 75@ 1 00    |
| Asparagus.....per bunch   | 50          |
| Smilax.....               | 15 00@20 00 |

| PITTSBURGH, May 11.              | Per 100     |
|----------------------------------|-------------|
| Roses, Beauty, special.....      | 15 00@20 00 |
| extra.....                       | 10 00@12 00 |
| No. 1.....                       | 4 00@ 6 00  |
| Bride Bridesmaid.....            | 2 00@ 6 00  |
| Chatenay.....                    | 2 00@ 6 00  |
| Killarney.....                   | 2 00@ 6 00  |
| My Maryland.....                 | 2 00@ 6 00  |
| Richmond.....                    | 2 00@ 6 00  |
| Carnations.....                  | 1 50@ 3 00  |
| Callas.....                      | 8 00        |
| Cattleyas.....                   | 50 00@75 00 |
| Daffodils.....                   | 1 00@ 3 00  |
| Gardenias.....                   | 35 00@50 00 |
| Lilac, white.....per bunch,      | 1 00@1 50   |
| Lilium Longiflorum.....          | 6 00@ 8 00  |
| Lily of the Valley.....          | 4 00        |
| Mignonette.....                  | 4 00        |
| Fansies.....                     | 1 00        |
| Primroses.....                   | 50@ 75      |
| Sweet Peas.....                  | 1 50        |
| Adiantum.....                    | 1 50        |
| Asparagus Sprengerii, per bunch, | 50          |
| strings...per string,            | 50          |
| sprays...per bunch,              | 50          |
| Smilax.....                      | 15 00       |

tainly to a fat bank account. Sweet peas are very popular and good stock is pretty sure of a ready sale. Stocks and snapdragon are scarce quantities and are in fair demand. Cornflowers are now in and make a welcome addition. Peonies are looming up, the earliest of the local stocks now being offered and will soon be seen in quantities. Snowballs and other outside shrubbery is also ready and it would seem as if all this Memorial day pro-vender will be past before May 30, a new experience in this neighborhood.

#### NOTES.

The new houses going up in this neighborhood are getting along nicely. Joseph Heacock & Co.'s house, 52x1000, is half finished and promises to be ready for planting by June 1. The

Lord & Burnham Co. has quite a force on the job, which, when finished, will be one of the show houses of this section. Victor Groshens' new house, 42x500, at Hillside built by the King Construction Co., is of the latest plan and certainly makes a very substantial structure. Its cement sides and table or ground bed borders of same material, make it practically indestructible and likely to, as President Elliott predicted of future houses, be handed down from father to son for several generations.

Leo Niessen Co. had a big carnation demand for Mother's day business, which came, Mr. Niessen said, at a good time and gave the business a much needed impetus. Extra fine stocks of Beauty roses are seen here.

At McKissick's eastern Bea Kaiserin are the features. They are exceptionally fine. Fifty thousand white carnations were handled for Mother's day.

The Robert Scott Co. is about to introduce a new rose of a shade of yellow that looks as if it only wanted to be shown to the public to make it a success.

Berger Bros. say that Mother's day demand was all right and used up carnations of all kinds; there was also a good demand for other flowers.

K.

#### Chicago Notes.

E. C. Amling says business during the past week has been away ahead of that of a year ago. Peonies he expects to be about the same crop as last year. Had the weather been different there would doubtless have been a record breaking crop this year. Mr. Amling does not expect local grown stock to be in time for Memorial day unless very hot weather occurs, which he is not hoping for. Prospects for Memorial day are remarkably good here, advance orders coming in freely already and many inquiries from retailers from out-of-town points who are anxious to secure stock.

O. P. Bassett and wife returned on Tuesday from California and will stay at Hinsdale for about two weeks, sailing from New York for Europe on the Prinz Frederick Wilhelm on May 26. Both are looking extremely well. The first visit will be to England, the vessel calling at Plymouth, and their stay will probably be about six months when they purpose returning to California.



# Special Announcement

**The Firm of FORD BROS., 48 West 28th St., New York,**

**Wholesale Commission Dealers in CUT FLOWERS, was dissolved by mutual consent, May 1, 1910, William Ford retiring from the firm.**

**In reference to the above, I wish to state that I have taken over the business and**

**Removed to 121 West 28th Street,**

a locality where the **Leading Wholesalers** are now locating, where I will continue the business under the former methods.

Asking a continuance of our former **cordial business relations**, I remain,

Yours Very Truly,

**M. C. FORD,**

**121 West 28th Street,**

**NEW YORK.**

## New York.

### LIGHT BUYING.

There is little change in the condition of the cut flower market. While the arrivals are not enormous in the wholesale district, the complaint is that buying is very light. Monday and Saturday of last week were fairly good days, but during the middle of the week business was slow. Mothers' day had some appreciable effect on white carnations, though the price as a rule did not go above three and 3½ cents. All good carnations were a little shy through the week and the best sold for three and four cents. Of roses, lilies, lily of the valley, orchids, gardenias and various less important stocks, there was an abundance and much of it moved very slowly. While peonies are on the market they are not in sufficient quantity to be a leading factor as yet. A feature with the decorators is a good supply of well flowered dogwood.

May 9.—On account of two days of wet and sultry weather, the market is slow. There is an abundance of everything and it is hard to move.

### NOTES.

As elsewhere announced, the firm of Ford Bros. has been dissolved and M. C. Ford continues the business at 121 West Twenty-eighth street. These brothers have been in business together for the past 15 years and in the business world and socially are respected and esteemed by all who know them. They have established a fine business, always handling the best of stock. There is no doubt that under the management of M. C. Ford the same high standard will be maintained. William Ford's retirement from the street will be regretted, as he has always been businesslike, genial and considerate.

The annual meeting of the New York Cut Flower Exchange was held May 7. G. Golsner, G. Matthews, John Schneider and Philip Einsmann were re-elected as directors. Fred Smith of Chas. Smith's Sons was elected a director to succeed A. S. Burns, who retired. The meeting was harmonious and the exchange was shown to be in a prosperous condition. John Donaldson remains president and Victor Dorval secretary.

George Cotsonas & Co. will, in a short time, remove from their present location, 50 W. Twenty-eighth street, to 127 W. Twenty-eighth street, between Traendly & Schenck and M. C. Ford. They will there enlarge their facilities for handling all kinds of florists' green. In addition they have taken another floor that will be devoted to all kinds of florists' supplies.

The wreckers are hard at work in Twenty-eighth street between Broadway and Sixth avenue, and the old stores of Traendly & Schenck, Walter F. Sheridan and Ford Bros. are being demolished to make room for more pretentious structures. In the meantime the aforesaid dealers are not worrying, as they are now in better quarters.

John Ross, decorator at Sherry's, Forty-sixth street and Fifth avenue, executed a very beautiful decoration on May 5, the occasion being a dinner given by Mayor Gaynor to the noted Prince Tsia Tao of China. Mr. Ross used many flowering plants and their artistic arrangement was the subject of much favorable comment.

Wm. Wallace Matthews, of Great Neck, has been shipping to Phil Kessler, 55 West Twenty-sixth street, very fine Bermuda lilies (Jamesii), the bulbs having been purchased from A. T. Boddington. The Matthews range is also noted for the fine blooms

of Ivory chrysanthemums, which are a feature of the fall trade.

Peter Mallon & Son, 516 Fulton street, Brooklyn, have made some changes in their business, having taken another store, next door to their old stand. This firm does an immense business in bedding plants and at present its store is a feature of that section of Brooklyn.

Mrs. Geo. Peters, wife of the head of the firm of Geo. Peters & Sons, growers at Hempstead, died on the morning of May 1 after an illness of three months of cancer. She was 54 years old and is survived by her husband, two sons and one daughter.

John Birnie of West Hoboken, N. J., is now sending to this market fine pelargoniums that attract much attention. He has also been selling a great stock of geraniums and other bedding plants, beside English ivies suitable for boxes.

Kessler Bros., the wholesale plantmen at 50 West Twenty-eighth street, are handling a great amount of fine flowering and foliage stock. A noteworthy feature is their large tubs of privet, which come from the Dreyer range, Woodside.

L. C. Hauser, the asparagus specialist, has been dividing his time between the Coogan building and the criminal court. He is on the jury.

The store of J. H. Small & Sons, 1153 Broadway, is profusely decorated with dogwood and it is a very attractive feature.

The annual outing and bean feast of the Florists' Club will be held June 28 at Witzell's Point View Grove.

J. K. Allen is handling the first peonies of the season and for early varieties they are very good.

A. J. Guttman is handling a good line of Ulrich Brunner roses.

(OTHER NEW YORK NOTES ON PAGE 776.)



# Young & Nugent,

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42 West 28th Street,

To out-of-town florists

We are in the Heart of

And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

## New York

# Trade Directory

—OF THE—

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Phones: 798 and 799.

NEW YORK

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THE WHOLESALE FLORIST OF NEW YORK

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Give us a  
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We can  
Please you.

Roses, Carnations and all kinds of  
Seasonable Flowers in Stock.

WM. F. KASTING CO., Wholesale  
Commission  
Florists.  
BUFFALO, N. Y.  
Florists' Supplies and Wire Designs.

## Wholesale Flower Markets

| NEW YORK, May 11.                |             |
|----------------------------------|-------------|
| Roses, Beauty, special.....      | 15 00@25 00 |
| "    extra and fancy....         | 8 00@12 00  |
| "    No. 1.....                  | 6 00@ 8 00  |
| "    No. 2.....                  | 1 00@ 3 00  |
| "    Bride, Bridesmaid, special. | 3 00@ 5 00  |
| "    extra and fancy.....        | 2 00@ 4 00  |
| "    Killarney, special.....     | 5 00@ 6 00  |
| "    extra and fancy.....        | 2 00@ 4 00  |
| "    No. 1 and No. 2.....        | 75@ 1 50    |
| "    My Maryland.....            | 2 00@ 6 00  |
| "    Richmond.....               | 1 00@10 00  |
| Carnations.....                  | 1 00@ 3 00  |
| Callas.....per doz.,             | 75@ 1 00    |
| Cattleyas.....                   | 25 00@50 00 |
| Gardenias.....per doz.,          | 75@ 2 50    |
| Lilium Longiflorum.....          | 2 00@ 4 00  |
| Lily of the Valley.....          | 1 00@ 2 00  |
| Mignonette.....per doz.,         | 20@ 50      |
| Peonies.....per doz.,            | 75@ 1 00    |
| Sweet Peas.....per doz. bunches  | 50@1 00     |

| BUFFALO, May 11.                 |             |
|----------------------------------|-------------|
| Roses, Beauty, special.....      | 20 00@25 00 |
| "    fancy.....                  | 15 00@20 00 |
| "    extra.....                  | 10 00@15 00 |
| "    Bride, Maid, Killarney..... | 8 00@10 00  |
| Carnations.....                  | 1 50@ 3 00  |
| Callas.....                      | 8 00@12 00  |
| Daffodils.....                   | 1 00@ 2 00  |
| Daisies.....                     | 1 00@ 2 00  |
| Jonquils.....                    | 1 50@ 2 00  |
| Lilium Longiflorum.....          | 8 00@10 00  |
| Lily of the Valley.....          | 3 00@ 4 00  |
| Mignonette.....                  | 1 00@ 3 00  |
| Sweet Peas.....                  | 50@ 1 00    |
| Tulips.....                      | 1 00@ 2 50  |
| Adiantum Croweanum.....          | 1 25@ 1 50  |
| Asparagus Str.....               | 50@ 60      |
| Ferns.....                       | 2 50        |
| Galax, green and bronze.....     | 1 50        |
| Smilax.....                      | 15 00       |

## M. C. FORD

Successor to FORD BROS.

Receivers and Shippers of **FRESH FLOWERS.**

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Telephone 3870-3871 Madison Square.

## KESSLER BROS.

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WHOLESALE PLANTSMEN AND FLORISTS.

Phone 2336 Madison. Shipments Everywhere.  
Prompt and satisfactory. Consignments solicited.

## Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756  
Madison Square.

NEW YORK.

Mention the American Florist when writing

## HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty. Roses,  
Violets, Carnations, Valley, Lilies, Etc.

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Telephones: 2200 and 2201 Madison Square.

## Walter F. Sheridan

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

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Are the best product of the best growers  
for the New York market.

Adiantum Croweanum sold here exclusively.

49 West 28th St., NEW YORK

Telephone 1998 Madison Square.

IF YOU SAW IT IN  
**THE FLORIST**  
SAY SO IN YOUR NEXT ORDER.

## August Millang

WHOLESALE FLORIST

41 W. 28th St., NEW YORK

## N.Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.

Open for Cut Flower Sales at 6  
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Desirable Wall Space to Rent for Advertising.

V. S. DORVAL, Secretary.

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All flowers in season. Consignments of first-  
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LANCASTER, PA.—The greenhouses of  
Wm. Aheren, Sixth and Chestnut  
streets, were badly damaged by a se-  
vere hailstorm which occurred here  
May 4.



50,000 Roses, 75,000 Carnations,  
35,000 Sprengeri, 35,000  
Stocks. ~ ~ ~ ~ ~



**We  
Never  
Disappoint**  
Satisfaction Guaranteed.

**NEW CROP**  
**Fancy and Dagger Ferns**  
**\$2.00 Per 1000.**  
**BOSTON, MASS.**

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Hardy Cut Evergreens and Florists' Supplies.  
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25290 Ft. Hill.  
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Wild Smilax,  
extra fine quality Bril-  
liant Bronze and Green Ga-  
lax, Cut Boxwood Sprays, Leucothoe  
Sprays, Laurel Wreaths, Laurel Festooning  
and Branch Laurel, Green and Sphagnum Moss.

### George Cotsonas & Co.

Wholesale and Retail Dealers  
in all kinds of  
**Evergreen**



Fancy and Dagger  
Ferns, Bronze and  
Green Galax,  
Phone 1202 Mad. Sq.



Main Store, 50 W. 28th St., NEW YORK.

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Huckleberry Branches,  
New Crop Dagger Ferns,  
NOW READY.

R. A. LEE & CO., Hatcher Station, Ga.

—FOR SALE—

### Fine Large Cape Jessamines (Gardenias)

With beautiful foliage: two grades  
Stems from 8 to 12 inches ..... \$ 7.50 per 1000  
Stem from 12 to 18 inches. .... 10.00 per 1000  
F. O. B. Alvin. Terms cash or C. O. D.

MISS A. WASHINGTON, Alvin, Texas.

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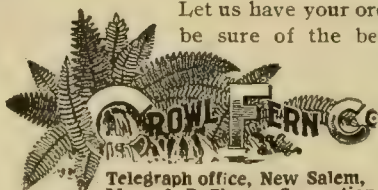
to collect an account is to place it with the  
**National Florists' Board of Trade**  
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**WHY?** Because many debtors will pay the Board  
fearing otherwise a bad rating in our Credit List  
Full information as to methods and rates given on  
application.

BALLSTON SPA, N. Y.—Richard Scha-  
fer's new store and greenhouse are  
now open for business under the name  
of the Church Avenue Florist.

### New Crop Ferns Now Ready, only \$1.75 per 1000.

Let us have your orders now for **Memorial Day**, and you will  
be sure of the best to be had and at rock bottom prices.



Telegraph office, New Salem,  
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Use our **LAUREL FESTOONING**, for  
decorations, 4c, 5c, and 6c per yard. Made fresh daily from the woods.

**SMILAX**, 50 lb. cases, \$6.00. **PINE**, 7c per lb.

Nice, large bunch of **Laurel Branches**, 35c. **Laurel** and **Pine**, wreaths, \$2.00 to  
\$3.00 per doz. **Boxwood**, \$15.00 per 100 lbs.

**Crowl Fern Co.,**

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### FANCY FERNS, \$2.00 per 1000

**New Crop Galax**, Bronze or Green.....\$1.25 per 1000; 10,000, \$7.50  
**Sphagnum Moss**, large bales.....\$1.25; 6 bales, \$7.00. Extra fine  
**Leucothoe Sprays**, Green and Bronze.....\$1.00 per 100; \$7.50 per 1000  
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Florists in the Middle and Western States can save money  
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### MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists and Florists' Supplies,

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### Perpetuated and Natural Sheet MOSESSES

New Crop Ferns, Fancy and Daggers  
NOW READY, Price \$1.25 per 1000.

E. A. BEAVEN,

Evergreen, Ala.

### New Crop Ferns

**FANCY** and **DAGGER** ready May 1st.  
Special price for large orders  
Price \$1.25 per 1000.

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Evergreen, Alabama



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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place,  
L. D. Phone 558 Lake View.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY.

Cincinnati, O.

JULIUS BAER,

138-140 E. Fourth St.  
Long Distance Phone.

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CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838— CANAL ST.

Savannah, Ga.

JOHN WOLF,

Wholesale and Retail  
FLORIST.

Kalamazoo and  
Battle Creek, Mich.

H. A. FISHER CO.

Wholesale and Retail Florists.

We Handle Everything in Season.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper  
care of your orders in Wisconsin.

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled  
promptly with the choicest stock.

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GEO. H. COOKE  
FLORIST

Connecticut Avenue and L Street.

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Also

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Alexander McConnell,

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TELEGRAPH Orders forwarded to any  
part of the United States, Canada and  
all principal cities in Europe. Orders  
transferred or entrusted by the trade to  
our selection for delivery on steamships  
or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL.  
Western Union Code.



FROM NEW YORK EXCEPT AS NOTED.

May 17.

Noordam, Holl.-Amer., 10 a. m., Hoboken Pier.

K. Wil-der-Grosse, N. Ger. Lloyd, 10 a. m., Hoboken Pier.

FROM BOSTON, Cymric, White Star 4 p. m.

May 18

Lusitania, Cunard, 9 a. m., Piers 54 and 56, North River.

Graf Waldersee, Ham.-Amer., 2 p. m., Hoboken Pier.

FROM BALTIMORE, Rhein, N. Ger. Lloyd, 2 p. m., Pier 9, Locust Point.

May 19.

Noordam, 12 noon, Piers 54 and 56, North River.

La Provence, French, 10 a. m., Pier 42, North River.

Grosser Kurfurst, N. Ger. Lloyd, 10 a. m., Hoboken Pier.

May 21.

Furnessia, Anchor, 3 p. m., Pier 64, North River.

New York, American, 10 a. m., Pier 62, North River.

Lapland, Red Star, 11 a. m., Pier 59, North River.

Celtic, White Star, 12 noon, Piers 60 and 61, North River.

K. Auguste Victoria, Ham.-Amer., 9 a. m., Hoboken Pier.

Prinzess Irene, N. Ger. Lloyd, 11 a. m., Hoboken Pier.

FROM MONTREAL, Sardinian, Allam. day-light.

Brooklyn, New York.

“WILSON”

3 and 5 Greene Ave. and 339 to 347 Greene Ave.

Greenhouses: Short Hills, N. J.

— Deliveries in —

NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

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609-611 Madison Ave.

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FLORISTS

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Hess &amp; Swoboda

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The Park  
...Floral Co.

J. A. VALENTINE, President.



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D. C.

Gude's

Washington, D. C.

Geo. C. Shaffer,

::: FLORIST :::

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Write, Telegraph or Telephone.

The Florists' Market Place,  
Our Ready Reference Ad. Dept



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## Kansas City, Mo.

Geo. M. Kellogg Flower and Plant Co.  
906 GRAND AVE.

KANSAS CITY and PLEASANT HILL, MO.  
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

## Terre Haute, Ind.

John G. Heintz & Son,  
129 South Seventh St.

Telephone 247.

We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

## Pittsburg, Pa.

A. W. SMITH CO.

KEENAN BLDG.

Largest Floral Establishment in America  
Established 1874. Incorporated 1909.

## Rochester, N. Y.

J.B. KELLER SONS,

FLORISTS.

25 Clinton Avenue, N.

Rochester Phone 506. Long Dis. Bell Phone 218

*M.A. Rowe*

IN HEART OF NEW YORK CITY

Phone 2270 38th St. 1294 Broadway  
Our Motto—THE GOLDEN RULE

## Anderson, S. C.

THE ANDERSON FLORAL CO.  
533 MARSHALL AVE.

## Cleveland.

TRADE FAIRLY GOOD.

The past week's business was fairly good, ending strong for Saturday and Sunday on account of Mother's day, which was perhaps more universally observed this year than any previous year. The papers gave considerable space in explaining and urging the public to observe this day. White carnations were very scarce, considering the numbers asked for; in fact, all carnations cleaned up entirely, not nearly enough of any color being obtainable. Roses also sold well, especially white. Beauties are in good demand, and the quality was never better. Killarney is much in demand and is steadily growing in favor. Sweet peas are good stock. Callas are in good demand. While it is a little late in the season for boxwood, those who know are using quantities of this stock to good advantage; the quality is fine. Good double white and purple lilac is now coming in. The frost we had the middle of the week did not damage the peonies to any extent and they will soon be coming in.

May 9 opened with a steady market, all stock cleaning up quickly. All retailers report an excellent day's business for Sunday, Mother's day.

C. B.

## New York.

Established 1874.

**DARDS**

N. E. Corner 44th St.  
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

## New York Notes.

The sympathy of the trade is extended to the Warendorff brothers on account of their mother, who is seriously ill at her apartments in the Ansonia hotel. Mrs. Warendorff has reached an advanced age, but until recently has been active about the retail store of her sons, which is located in the Ansonia. For many years she has been a notable figure in the retail trade of this city. In this connection Alex Warendorff, one of her sons, who has a store at 1193 Broadway, has for some time been suffering from a nervous breakdown and been confined to his rooms. It is now said that he is on the road to recovery.

A number of the young men who have been well and favorably known in connection with the trade of this city are now matrimonially inclined. Jos. Bosse, manager of W. H. Lee's store in the Hippodrome building, will, it is reported, be married very soon to an estimable young lady. Samuel A. Woodrow, representative of Bobbink & Atkins, will be married June 15. J. J. Davidson, now with John H. Shipperway, Norton, Conn., will be married June 21. Woodrow and Davidson served their apprenticeships together and as a mark of fraternal feeling will stand up together.

## New York Florists' Club.

The regular monthly meeting of the New York Florists' Club was held in the Grand Opera house building on the night of May 9, President Miller in the chair. The feature of the meeting was the address of Prof. John Craig of Cornell University on "Some Phases of Experimental Work in Relation to Floriculture." The address was well received. Appropriate resolutions on the death of Mrs. Vesey were adopted. Harry Bunyard reported for the outing committee that the next annual outing will be held at Witzel's Point View Grove. Wm. H. Siebrecht, Jr., for the plant market committee, reported progress. W. E. Marshall reported for the exhibition committee in relation to the cup offered by Hitchings & Co., greenhouse builders, for competition by members of the club. The cup will be known as the "Hitchings & Co. Cup of Merit." It is proposed that competition begin with the June meeting and end with the December meeting of this year, and to be presented to the winner at the first meeting of next year. It was recommended that should Hitchings & Co. present the cup for annual competition, that competition should begin the first of the year and continue through each monthly meeting. The following rules of competition were suggested: For plants and cut flowers only: Carnations, roses, gladiolus, not less than 25 blooms each; chrys-

## Cleveland, O.

The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in NORTHERN OHIO.

## Dayton, O.

Matthews,

—FLORIST—

16 W. 3rd Street.

Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones

## St. Paul, Minn.

HOLM & OLSON,  
ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in MINNESOTA AND THE DAKOTAS.

## Los Angeles, Calif.

J. W. Wolfskill,  
FLORIST,

Telegraph Orders  
A Specialty,

218 W. 4th St

## Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**  
96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

## Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

**DANIELS & FISHER**

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

## Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

## Pittsburg, Pa.

H. L. BLIND & BROS.,

Two Stores: Liberty Av. & 5th St., 5424 Center Av.  
Greenhouses: West View

anthemums not less than 10 blooms; pompons, not less than 12 sprays; stocks, snapdragons, dahlias, not less than 12; sweet peas, five bunches of 12 or more; peonies, not less than 10; violets, not less than 100.

HASTINGS, NEB.—Mother's day was celebrated here with great enthusiasm. The sales were 75 per cent over those of last year. All salable carnations and roses, daisies, sweet peas, in fact, every white flower, was picked up before 8 o'clock on Sunday. Many more could have been sold if they were obtainable.—J. M.



DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Kansas City, Mo.  
**WILLIAM L. ROCK,**  
**Flower Co.,**  
Will carefully execute orders for  
Kansas City and any town in  
Missouri, Kansas or Oklahoma.

Mention the American Florist when writing

St. Louis, Mo,  
Write. Wire or Phone Your Orders to  
**YOUNGS**  
1406 Olive Street,  
Regular discount allowed on all orders, either  
Plants or Cut Flowers.  
Phones Bell, Main 2306, Kinloch, Central 4981  
Mention the American Florist when writing

New York. Established 1849  
**David Clarke's Sons**  
**FLORAL DECORATORS**  
2139-2141 Broadway  
Telephones:  
1552-1553 Columbus. Choice Cut Flowers

Lansing, Mich.  
**Gurdon B. Smith**  
Covers all Points in Michigan. Best of  
Shipping Facilities in all Directions.  
Always has the best of Everything.

Kansas City, Mo.  
**Samuel Murray**  
..... FLORIST .....  
1017 Broadway Coates House  
Conservatory  
Both Phones 2670 Main.  
Write. Telephone All orders given prompt  
or Telegraph. attention.

Louisville, Ky.  
Established 1880.  
**M. D. REIMERS**  
"Successor to Chas. W. Reimers."  
.....329 Fourth Avenue

St. Paul, Minn.  
**L. L. MAY & CO.**  
Order your flowers for delivery  
in this section from the  
**LEADING FLORISTS OF THE NORTHWEST.**  
San Francisco, Calif.  
**J. B. BOLAND**  
Successor to Sievers and Boland  
**FLORIST**  
60 KEARNEY STREET.

Detroit, Mich.  
**John Breitmeyer's Sons**  
Corner Miami and Gratiot Avenues.  
**Artistic Designs.**  
**High Grade Cut Blooms.**  
We cover all Michigan points and good  
sections of Ohio, Indiana and Canada.

Kansas City.  
STOCK SCARCE.  
Owing to the cold, rainy weather  
which has prevailed during the last  
week only about half the usual  
amount of stock has been received.  
Carnations especially have fallen off  
and orders which were taken during  
the great influx of last week had to  
be cut down. Prices have gone up in  
proportion as the stock has decreased.  
Select stock is bringing 3-4 cents  
with seconds closing out at 2-2½.  
Roses are only medium. Bride and  
Bridesmaid are plentiful in funeral  
stock but good flowers are scarce.  
American Beauty is good but not plen-  
tiful. Killarney has fallen off, there  
only being a small quantity of short  
stemmed stock on hand. Sweet peas  
are here in large numbers in all col-  
ors and grades. The market takes all  
that is brought in at 40 to 60 cents  
per 100. Peonies have commenced to  
arrive in small quantities but the ma-  
jority of the crop is being put in cold  
storage for Memorial day. Many large  
orders have been received for this  
flower and there promises to be a very  
large cut. There is still a good de-  
mand for bedding stock which makes  
business good for small plant growers.  
The small quantity of cattleyas  
brought in sell readily for \$3 per doz-  
en. The outdoor stocks, such as Span-  
ish iris, tulips, daffodils and lily of the  
valley are very scarce and bring good  
prices.

NOTES.  
L. Humfeld will soon commence  
work on the large conservatory which  
he has been planning for some time.  
His place at Sixth and Paseo will be  
torn down soon and the new buildings  
will go up immediately. A find resi-  
dence will be erected in connection  
with his greenhouse plant.  
Arthur Newell has been handling a  
large amount of stock lately. He says  
that funerals especially have been  
cleaning up his supplies.  
The Geo. M. Kellogg Flower & Plant  
Co. will make extensive repairs this  
spring. Probably a few houses will  
also be erected.  
Wm. Rock announces that the resi-  
dence which he has been building on  
Harrison boulevard is about com-  
pleted.  
Miss H. Jewell has moved two doors  
farther east and reports her present  
location much better than the last.  
The Jones Dry Goods Co. has closed  
its floral department which has been  
in operation for several years.  
Mrs. Geo. Bastian has been in Pleas-  
ant Hill for several weeks with her  
husband, who is very sick.  
A four-inch rain fell on May 6  
which did much damage to terraces  
and sunken gardens.  
Sam Murray has been doing a large  
amount of funeral work during the  
past week. MISSOURI.

New York.  
**A. J. Bunyard**  
**FLORAL CO.**  
We Guarantee Satisfaction  
413 Madison Ave. cor. 48th St.

**Hoffman**  
59-61  
**FLORIST**  
Massachusetts Ave  
Commonwealth Ave  
BOSTON

Albany, N. Y.  
**EYRES,**  
Flowers or Design Work.  
Delivered in Albany and Vicinity on  
Telegraphic Order.  
11 NORTH PEARL STREET.

Boston, Mass.  
Send flower orders for delivery in  
**Boston and all**  
**New England Points**  
To THOS. F. GALVIN, Inc.,  
124 TREMONT ST.

THE J. M. GASSER COMPANY,  
**CLEVELAND, O.**  
We Cover All Points in Ohio.

Buffalo, N. Y.  
**Palmer's** Flowers  
of Quality  
W. J. Palmer & Son.  
304 Main St.

Louisville, Ky.  
**JACOB SCHULZ,**  
550 So. Fourth Avenue.

Colorado Springs, Colo.  
**FRANK F. CRUMP,**  
Wholesale and Retail Florist.

MICHIGAN. Orders will be carefully  
cared for by  
**HENRY SMITH,**  
Wholesale and Retail Florist of GRAND RAPIDS

**GEO. A. HEINL,** Leading Florist,  
TOLEDO, OHIO  
All Orders Promptly Executed.



## The Seed Trade.

### American Seed Trade Association.

J. C. Robinson, Waterloo, Neb., Pres.; M. H. Duryea, New York, First Vice-Pres.; F. W. Bolgiano, Washington, D.C., Second Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.; Leonard H. Vaughan, Chicago, Asst. Sec'y. Twenty-eighth annual convention, at Atlantic City, N. J. June 21, 1910.

SOME dealers who have held wild Alaskas are not jubilant now.

The damage to peas in Wisconsin, except on low ground, is not as serious as anticipated.

DETROIT, MICH.—Kirby B. White and Will Bowen, of D. M. Ferry & Co., returned from the Pacific coast last week.

ARCHIBALD SMITH, formerly of Boston, Mass., and recently with the Leonard Seed Co., Chicago, has returned to England.

CHICAGO.—Contract prices on the board of trade May 11 for grass seed were noted as follows: Timothy, \$4.25, nominal. White clover, from 20 cents to 25 cents. Visitor: C. R. Chesmore, St. Joseph, Mo.

THE Long Island Agronomist in a recent issue printed several reports on analyses of alfalfa samples, both at Cornell and Washington, some of which show too much trefoil and dodder.

At the hearing, May 5, before the board of appraisers at New York regarding the classification of certain hyacinths for duty, testimony was heard on both sides, and the government and importers are awaiting the decision of the board.

THE weather in southern France continues moist and cool, not especially good for bulb development. Some dealers are placing definite orders with growers for partial supply, while others are holding off. The consensus of opinion seems to indicate little probability of a decline in the price of White Roman hyacinths, as some growers at the syndicate meeting of April 16 favored a price of 90 francs instead of 80 francs, and some will not dispose of their crops at the lower rate.

### California Seed Crops.

Well-informed correspondents report as follows concerning the condition of seed crops in their respective districts:

San Jose (Santa Clara District), May 4.—From personal inspection sweet pea crops of our own growing and those of others will not yield half a crop from present prospects. Radish also, generally speaking, will not be heavy. There is not sufficient mildew on onion at this writing to do any perceptible damage.

Hollister (Gilroy District), May 10.—All crops in this valley are now in good condition. There is some mildew on onion. Spinach, lettuce, parsley, salsify and sweet peas are good. Radish is fair, but not big. Onion bulbs for 1911 crop are fair to date. I have no personal knowledge of conditions in other sections, but information at hand is to the effect that there is much mildew in the Upper Santa Clara valley and in the Sacramento valley; other crops there are reported good.

### Imports.

During the week ending May 7, imports were received at New York as follows:

McHutchison & Co., 70 tubs laurel trees; 2 cases plants.

Julius Roehrs Co., 21 cases of plants. H. Frank Darrow, 17 cases plants; 30 tubs laurel trees.

To others: 294 cases plants, 249 bags seeds, 274 tubs laurel trees, 110 cases orchids, 9 cases trees and shrubs.

### Text of New York Pure Seed Bill Which Passed the Assembly Last Week—Now Before the Senate.

#### PAGE 1.

The People of the State of New York, represented in Senate and Assembly, do enact as follows:

1 Section 1. Article fifteen and sections three hundred and forty  
2 and three hundred and forty-one of chapter nine of the laws of  
3 nineteen hundred and nine, entitled "An act in relation to agricul-  
4 ture, constituting chapter one of the consolidated laws," are  
5 hereby renumbered to be article sixteen and sections three hun-  
6 dred and sixty and three hundred and sixty-one, respectively.

EXPLANATION—Matter in *italics* is new; matter in brackets ( ) is old law to be omitted.

#### PAGE 2.

1 §2. Such chapter is hereby amended by adding thereto a new  
2 article to be article fifteen thereof, to read as follows:

#### ARTICLE 15.

#### INSPECTION AND SALE OF SEEDS.

1 SEC. 340. Inspection and sale of seeds.  
2 341. Samples, publication of results of examination.

3 342. Provisions concerning actions.  
4

5 § 340. Inspection and sale of seeds. Within the meaning of  
6 this article "agricultural seeds" are defined as the seeds of  
7 alfalfa, barley, Canadian blue grass, Kentucky blue grass, brome  
8 (awnless) grass, buckwheat, alsike clover, crimson clover, red  
9 clover, white clover, field corn, Kaffir corn, meadow fescue, flax,  
10 millet, oats, orchard grass, rape, red top, rye, sorghum, timothy  
11 and wheat which are to be used for sowing or seeding purposes.  
12 No wholesale or retail dealer shall sell, offer, expose or have in  
13 his possession for sale for the purposes of seeding, any cereals or  
14 seeds of grasses or clovers, of the class known as agricultural  
15 seeds in quantities exceeding ten pounds, unless every receptacle,  
16 package, sack or bag containing such seeds, or a label securely  
17 attached thereto or enclosed therein, is marked in a plain in-  
18 delible

19 manner as herein provided. Said marks shall be on the recep-  
20 tacle,

21 package, sack or bag itself if there is more than ten per centum  
22 of injurious foreign seed. Marks shall include the following:

23 a. The full name and address of the seller.  
24 b. The name of the kind or kinds of seeds, except in the case  
25 of mixtures prepared for special purposes, when so labeled.  
26

#### PAGE 3.

1 c. The name of any foreign injurious seeds present to the  
2 extent

3 of three per centum or over by count and both the name and  
4 per-

5 centum of the following adulterants, if present:

6 Yellow trefoil in red clover.

7 Yellow trefoil, burr clover, sweet clover or dodder, in alfalfa.

8 Canadian blue grass in Kentucky blue grass.

9 Meadow fescue or rye grass in orchard grass.

10 Yellow trefoil in alsike clover.

11 d. With the claimed per centum of purity of the sample by  
12 count which shall be not more than three above the per centum  
13 determined by official examination.

14 The provisions of this act shall not apply to any person selling  
15 agricultural seeds or cereals to seed merchants, or shipping to a  
16 general market to be cleaned or graded before being offered or  
17 ex-

18 posed for sale for seeding purposes.  
19 § 341. Samples, publication of results of examinations.

20 Samples of seed shall be taken in duplicate, both samples  
21 shall be

22 sealed promptly and one shall be tendered and, if accepted,  
23 shall be

24 delivered at the time of taking to the person apparently in  
25 charge

26 and a receipt taken therefor, unless refused. The commissioner  
of agriculture is hereby authorized to publish from time to time  
the results of seed examination, together with the names and ad-  
dresses of dealers from whom the samples examined were taken.

§ 342. Provisions concerning actions. No action shall be  
maintained for a violation of any of the provisions of this article  
if the seed was not sold or exposed for sale; nor shall any such

#### PAGE 4.

1 action or any action for the breach of a legal duty or obligation  
2 in the sale of agricultural seeds be maintained by the buyer  
3 against the seller unless such action is commenced within a  
4 reason-

5 able time after the sale and before the sowing or other use of  
6 the

7 seeds, nor unless the claim or claims of such buyer are based  
8 upon

9 properly drawn samples of such seed from the bulk thereof.  
10 3. This act shall take effect July first, nineteen hundred

11 and ten.

## Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale  
Trade Only.

**SAN JOSE, CALIF.**

## Pieters-Wheeler Seed Company

HOLLISTER, CAL.

Growers of High Grade Seeds

Onion, Lettuce, Radish, Sweet Peas, Etc.  
CORRESPONDENCE SOLICITED.

ROGERS BROS.' seed growing business at Alpena, Mich., is the subject of an exhaustive illustrated article in a recent issue of the Alpena Evening Echo, from which it appears the firm has disposed of its property at Chaumont, N. Y., and established headquarters in Michigan, where it handles the product of some 12,000 acres.

MARSHALL H. DURYEA, of New York, sends us a copy of the New York pure seed bill which passed the assembly of that state last week and which is now to be acted upon by the senate. Mr. Duryea thinks the bill should be opposed in the senate and has written the commissioner of agriculture with regard to a hearing. The bill as passed by the assembly is reproduced on this page.







Mention the American Florist when writing

High-class Seeds, Bulbs, Plants, Shrubs and Nursery Stock.

## "BUDS"

CARL R. GLOECKNER, President,  
76 Barclay St., NEW YORK CITY

### COLD STORAGE LILY OF THE VALLEY PIPS

\$12.50 per 1000 in cases of 2000 only.  
Finest German, not Dutch grown. Ready now.

For Fall Delivery 1910

Our own imports from Japan.

|                                          |          |
|------------------------------------------|----------|
|                                          | Per 1000 |
| Lilium Longiflorum Multiflorum, 7-9..... | \$50 00  |
| " " Giganteum, 7-9.....                  | 65 00    |
| " " Formosum, 7-9.....                   | 65 00    |
| F. O. B. New York.                       |          |

## W. J. Eldering & Son,

Wholesale Bulb Growers and Dealers.

OVERVEEN. HAARLEM. HOLLAND.

Headquarters for High Grade Hyacinths, Tulips and Narcissl. We do not sell at Retail. Write for special quotations on large quantities.

Address our G. C. Eldering, care Hotel Seville, Madison Ave. and 29th St., New York.

## JOHN BODGER & SONS CO.

Gardena, Calif.

Wholesale Growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Astera, Cosmos and other Flower Seeds.

## Pape & Bergmann,

Quedlinburg, Germany.

Elite Seeds of Flowers and Vegetables.

Specialties: Stock Pansies, Cyclamen, etc., Cactus Dahlias, Bulbs. General Catalogue Free

ONE-HALF CAR OF

## Calla Bulbs

Ready end of July.

Write for prices.

Berrydale Experiment Gardens, Holland, Mich.  
Mention the American Florist when writing

DES MOINES, IA.—Fire at the establishment of the Jas. S. Wilson Floral Co., April 29, burned the boiler and potting sheds to the ground.

# 7-Top Turnip Seed

Advance orders now taken for choice grades of

**Seven-Top Dixie Frost King Prize Taker**

Now in full bloom on Bloomsdale Farm.

Contract price, \$200 per 1000 pounds.

Plants from this seed of hardy northern breed, very superior to the less hardy southern type, stand any amount of snow and ice without injury. The seed will be harvested about the 20th of June and ready for shipment about the 1st of July

**D. LANDRETH SEED COMPANY**

Also **KALE**—Dwarf German, \$20 per 100 lbs.  
Siberian . . . 18 per 100 lbs.

**Bristol, Penna.**

TO THE TRADE

## HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all  
CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

**Specialties:** Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

**HENRY METTE'S TRIUMPH OF THE GIANT PANSIES**, (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., \$1.50 per 1/4-oz., 75c per 1-16 oz, postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

## S. M. Isbell & Co.,

Jackson, Mich.

**CONTRACT SEED GROWERS,**

Bean, Cucumber, Tomato, Pea, Muskmelon,  
Squash, Watermelon, Radish, Sweet Corn.  
Correspondence solicited.

Mention the American Florist when writing

## Waldo Rohnert

GILROY, CAL.

**Wholesale Seed Grower**

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena, in variety.  
Correspondence solicited.

Mention the American Florist when writing

## SEEDS

OF ALL KINDS APPLY TO  
**W. W. JOHNSON & SON, Limited,**  
Boston, England.

Mention the American Florist when writing

**Don't Forget** To give us a trial on Asters, Mignonette, Begonia Verbon, Cineraria Primula Chinensis, Primula Obconica, Salvia Bonfire and Splendens, Verbena, Cyclamen and Pansy Seed. The two latter items ready July and August. We handle none but the highest quality strains. Catalog for the asking.



**SKIDELSKY & IRWIN CO.,**  
1215 Betz Bldg.,  
**PHILADELPHIA, PA.**

## BURPEE'S SEEDS PHILADELPHIA

Wholesale Price List for Florists and Market Gardeners.

## Rush Orders

Flower Seeds,  
Market Garden and Field Seeds.  
All kinds of Tender and Hardy Plants.  
Tuberose, Dahlias, Gladioli,  
Small Fruits,

**RUSH ORDERS**

**James Vick's Sons**  
ROCHESTER, N. Y.

Mention the American Florist when writing



**SEASONABLE**

**SEEDS**

**For The FLORIST.**

**H. E. FISKE SEED CO.,**  
Boston, Mass.

Mention the American Florist when writing

## Cauliflower SEED CABBAGE

LILY OF THE VALLEY PIPS

**HJALMAR HARTMANN & CO.**

Logangstraede 20, COPENHAGEN, DENMARK

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## The Everett B. Clark Seed Co.

**Growers for the Trade**

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

Branches: Michigan **MILFORD, CONN.**  
and Wisconsin.

Mention the American Florist when writing



## Market Gardeners

### Greenhouse Vegetable Growers and Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President;  
Franklin DeKleine, Grand Rapids, Mich.,  
Vice-President; S. W. Severance, 508 Illi-  
nois Life Building, Louisville, Ky., Secre-  
tary; M. L. Ruetenik, Cleveland, O., Treas.

### Seasonable Notes.

Among all the difficulties that confront the gardener there is probably none greater than late spring frosts. We may overcome all the others and stand helpless in a cold May night, which can in a few hours undo the work of months. We have had the most trying spring of our experience, and while we have not learned anything new, a good many facts have been again confirmed, and we will point out some of these.

We have part black land and part yellow clay; the former is always loose and well drained, while the latter is often wet and compact; hence these types vary greatly in earliness of crop. As a rule, the black land is away ahead in earliness and we aim to get most of the early things on this kind of land. However, this year's frosts were so severe that almost everything on the black land is destroyed, while the yellow type preserved a fair stand of such hardy things as cabbage, beets, radishes and lettuce. Why this should be so appears to be a puzzle, but upon investigation this is readily solved. We have before advised in these columns never to work tender crops such as corn, beans, tomatoes, etc., until all danger of frost is past. The reason for this we find in the fact that cultivation reduces the heat radiation from below, thereby exposing the crops to the slightest cold. The same thing is true of our black land. Its loose character leads to rapid radiation, hence the damage. In the winter the black type hardly ever freezes, while the yellow clay freezes to considerable depths. Therefore we plant all winter crops such as parsnips, oyster plants, horse radish, spinach, etc., on the black land.

To protect any extensive area is almost out of the question. Smoke and fires are useless against low temperatures and overhead sprinkling too expensive to install. To cover with soil is very practical if we have to deal with one cold night, but when the temperatures play havoc alternately for a month, the cost of covering and uncovering, together with the damage done, makes this unprofitable. A good way is to use more seed, reseeding the same area at intervals of a week, say three times, regardless of weather; one of the sowings will surely hit it and the poorer ones can be destroyed. We know of extensive sweet corn growers who depend upon this method entirely.

For planted out crops there is usually little gained by forcing the season; we believe in growing the best possible plants in cold frames and hotbeds and depend on our excellent plants and careful planting to gain the early market. We do not believe in pots and flats for plant growing,

as these are too expensive. However, we do believe in the use of a butcher knife to block out the plants in the frames. All our transplanted plants—lettuce, cabbage, tomato, pepper, egg plant—are dibbled perfectly in checks, say 2½ inches each way the first time. Just before the leaves lock we cut between the rows deeply one way; after a few days the other way. This will produce a powerful root system, which can be saved as easily as the pot plants, at one-tenth the cost.

Another factor in earliness is careful planting. If we wish to hurry up a crop we find it pays to water the plants as fast as set; to this water we add some nitrate of soda and sulphate of potash to get a quick start, say three pounds per barrel, using a preparation of one-third potash and two-thirds soda. A great deal depends upon good plants and well prepared land. We know one grower who invariably has a fine crop of early tomatoes. He uses large, soft plants on thoroughly prepared land at the right time. Another grower believes in hard, chilled plants and early setting. He is never early nor is his crop as good, and results count more than argument. Where plants in frames are close to the glass they need additional protection on cold nights. Plants touching either canvas or glass froze frequently, while uncovered plants escaped. If shutters are not available, a sprinkling of hay or straw on the glass or canvas is a big help.

MARKETMAN.

### Prices of Indoor Fruits and Vegetables.

New York, May 7.—Mushrooms, white, 50 cents per pound, brown 40 cents per pound; cucumbers, 75 cents to \$1.25 per dozen; lettuce, cold frame, 62½ cents per dozen heads; tomatoes, 20 cents to 25 cents per pound; grapes, Hambros, \$1.25 per pound. White dandelions for salad bring a good price but the supply is too small for the demand.

Chicago, May 11.—Mushrooms, 40 cents to 50 cents per pound; cucumbers, \$1 to \$1.25 per dozen; leaf lettuce, 22-25 cents per box; head lettuce, Louisiana, \$1-\$1.25 per hamper; \$6½ barrel (sugar barrel size); radishes 25-30 cents per dozen.

### Wichita, Kans.

#### GREAT DAMAGE BY HAIL.

A severe rain and hail storm on Sunday night, May 1, broke the drought that had prevailed in central and southern Kansas since February. Incidentally, it broke the record for 20 years for severity. The hail, while not of record-breaking size, was large enough to break most of the greenhouse glass in the territory visited, and was in such quantity that, after most of the glass was broken, it continued to fall and chop up the unprotected stock in the greenhouses.

Chas. P. Mueller lost about 35,000 feet; F. Kuechenmeister about 17,000 feet; W. H. Culp & Co. about 1,600 feet. The reports so far from other florists do not give amount lost, but the per cent of breakage was about the same. The Hersey greenhouses report about 90 per cent broken. G. R. Bixby says his loss is near 99 per cent, with a corresponding heavy loss in plants in greenhouses. The Fairview Greenhouses give 90 per cent as their estimate on glass. C. A. Rose states that his breakage is almost total. However, his frames covered with hotbed sash, escaped seri-

## VEGETABLE PLANTS

|                                                                                                       | Per 100 | 1000   |
|-------------------------------------------------------------------------------------------------------|---------|--------|
| Beet Plants .....                                                                                     | \$0 20  | \$1 25 |
| Egg Plants .....                                                                                      | 40      | 2 00   |
| Pepper Plants, Bull Nose, Sweet Mountain and Ruby King.....                                           | 40      | 2 00   |
| Tomatoes, small plants, Earliana, Early Jewel Dwarf Stone and Champion, Ponderosa and Matchless. .... | 30      | 2 00   |
| Tomatoes, small plants Stone Paragon and Favorite and Success ....                                    | 20      | 1 00   |
| Cabbage, full list of leading varieties, 10,000 and over ...                                          | 20      | 1 00   |
| Lettuce, Grand Rapids, Big Boston, Boston Market and Tenn's Ball ...                                  | 20      | 1 00   |
| Cash with order.                                                                                      |         |        |

R. VINCENT, Jr. & SONS CO., White Marsh, Md.

## Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE \$1.10

AMERICAN FLORIST CO.,  
324 Dearborn St., Chicago.

## Now Ready...

To ship a very large stock of **Early Cabbage** and **Tomatoes** of the best leading varieties at \$1.25 per 1000; honest count. **Sweet Potato Plants** ready May 7 at \$1.50 per 1000. **Celery** ready May 15, three varieties.

S. J. McMICHAEL,

142 Larkins St., P. O. Box 473, FINDLAY, O.



Watch for our Trade Mark stamped on every brick of Lambert's

### Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

ous injury, as they were protected by lath shades. The total breakage for florists alone will come near 65,000 feet, with about 35-40,000 more for market gardeners.

Coming at this time, the damage is especially severe, as the plant trade here sets in heaviest about May 1, and there is no time for stock to grow back into shape in time to meet the demand. As much of it is spring stock it cannot be grown on for fall sales. Young carnations were practically all in the fields and seem to have come through by a narrow margin. So far as known all the florists and most of the market gardeners were insured against loss to glass. The rainfall was very heavy, 2.58 inches during the first hour and a half being the weather station's report, with a total of over three inches.

A week of rainy and cloudy weather with not an hour of sunshine was the programme for the week preceding Mother's day. This sort of weather following the hailstorm, which broke greenhouse roofs so completely that all crops were practically outdoors, reduced production of stock to practically nothing. Consequently there was much skirmishing for stock. Most of us never before so fully appreciated the importance of the small odds and ends of production of our own houses. The Mother's day trade was all it could have been expected to be. The





# Vaughan's Lilium Harrisii.

**1911 Both Plants and Bulbs  
Carefully Selected.**

While we do not claim that our Harrisii are absolutely free from disease, or that every bulb will produce a perfect plant, we do claim that our growers' efforts in the way of spraying and roguing are producing results, our stock now being freer from disease than ever before and of genuine Harrisii type. In fact, the most general crop grown on the island of Bermuda.

**Vaughan's Seed Store**  
CHICAGO. NEW YORK.

only trouble seemed to be a scarcity of stock. Of course carnations had the call, but everything else was cleaned up too. Prices kept regular on most stock except carnations which advanced about 25 per cent, owing to the advance in wholesale prices. There was a stimulation of plant trade also, quite a few being sent as messages of remembrance. It surely seems that the observance of the day has come to stay, and that it will be a good thing for the retail florist, especially if the demand can be divided from carnations, and prices kept down close to normal.

W. I. CHITA.

#### Boston.

#### A GOOD WEEK.

The business of the past week was very encouraging both to wholesalers and retailers. Roses in all the popular varieties sold well and Mothers' day caused a good clean up in carnations, especially white. The price of the latter was up to four cents. Good stock of all kinds in fact cleaned up well and nothing is left over at the end of the day. The weather is fair and good both for business and stock.

#### NOTES.

Great interest is manifested in the coming orchid show which opens May 26. A gold medal and \$1,000 should be interesting and there are many other good prizes.

W. H. Elliott is sending in exceptionally good Killarney roses, also fine stock of Mrs. Humphrey Ward, the latter a fine novelty.

## French Bulbs, Immortelles White Roman Hyacinths

**NARCISSI**—Paper White, Grandiflora and Trumpet Major.

**True FREESIA REFRACTA ALBA**, and all other bulbs for forcing.

**ONE OF THE LARGE STEUR OPEAN DEALERS IN IMMORTELLES OF  
ALL COLORS, AT WHOLESALE ONLY.**

This is the right time to request quotations.

Orders should not be placed until you see my figures.

Agent wanted for above lines. Send full particulars to

**ALPHONSE ROCHE, Ollioules, [var.] France**

The Waban Rose Conservatories are sending in a very fine cut of roses in all varieties.

Welch Bros. report good business. They are handling large quantities of good stock.



## The Nursery Trade

### American Association of Nurserymen.

F. H. Stannard, Ottawa, Kans., President;  
W. P. Stark, Louisiana, Mo., Vice-President;  
John Hall, Rochester, N. Y., Sec'y.  
Thirty-fifth annual convention to be held  
at Denver, Colo., June 8-10, 1910.

VISITED CHICAGO: W. Van Kleef and  
F. W. Ebbinge, Boskoop, Holland.

HARRISBURG, PA. — The Berryhill  
Nursery Co. purchased 45 acres of  
land along the Jonestown road May 4.

W. F. HEIKES, of the Huntsville  
Wholesale Nurseries, Huntsville, Ala.,  
sailed on May 4 for Europe where he  
will visit the principal nursery dis-  
tricts of France and Holland. He ex-  
pects to return about July 25.

THE bush honeysuckles in Jackson  
park, Chicago, of which there is a  
very nice collection, were badly dam-  
aged by the recent freeze and are not  
nearly up to their usual form. What  
few flowers open properly do not look  
well owing to the foliage being  
brown and the same is true of many  
other shrubs.

### American Peony Society.

The annual meeting of the American  
Peony Society will be held at Horti-  
cultural Hall, 300 Massachusetts ave-  
nue, Boston, Mass., in connection with  
the regular peony show of the Massa-  
chusetts Horticultural Society, Thurs-  
day and Friday, June 9 and 10, 1910.  
This date is subject to change if  
weather conditions require.

A. H. FEWKES, Sec'y.  
Newton Highlands, Mass.

### Unlimited Control of Seed and Plant Trade PROPOSED BY SIMMONS BILL.

No more high handed piece of fed-  
eral control legislation has yet been  
proposed to our knowledge than the  
Simmons Bill, H. R. 15656, Section 3  
of which puts the secretary of agri-  
culture in entire and unrestricted con-  
trol of all seed importations. Further  
we learn the following from a gentle-  
man who was present at the nursery-  
men's hearing in Washington April 26  
and 27:

"One of the witnesses at the hearing  
was an official of the Department of  
Agriculture, who we had understood  
was slated for the management of this  
matter if the bill goes through, and  
he stated frankly and emphatically  
that in his personal opinion all for-  
eign nursery stock should be absolute-  
ly shut out. It is not difficult to guess  
what sort of trouble we should be up  
against if a man of that sort was in-  
trusted with the administration of the  
law."

Seedsmen will please take notice of  
the following part of Section 3 of this  
proposed law:

"The secretary of agriculture may  
at any time extend the provisions of  
this act to fruits and vegetables or  
bulbs or to other plants or seeds not  
specified in this act," so that it would  
seem to us that the florists and seed-  
smen are likely in the future to be  
bothered as well as the nurserymen.

Seedsmen and florists should write  
their congressmen and senators at

## ROSES Our Leading Specialty

Also Azaleas, Rhododendrons, Conifers, Fancy Glipped Boxwoods,  
Forest and Fruit Trees, Hedge Plants, Etc  
Ask for Wholesale Price Lists.

S. A. VOSTERS & SONS,

RIEL, HOLLAND.

### Jacs Smits & Co., NAARDEN, (Holland)

Azaleas, (hardy), Berried Plants, Bleeding  
Hearts, Blue Spruces, Boxwood, Clematis, Clim-  
bing Plants, Conifers, Evergreens, Funkias in  
sorts, Hydrangea P. G., Japan Maples, Peonies,  
Pot-grown Plants, (Lilacs a specialty), Rhodo-  
dendrons, Roses, Spireas, Valleys.

Price List Free on Demand.

### JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.  
Tree Renovation by Expert Operators. Stere-  
opticon lectures on Horticulture and Arboriculture

once protesting against the passage of  
the bill and insisting that these trades  
be given a hearing.

### American Association of Nurserymen. ANNUAL CONVENTION.

We learn through Secretary John  
Hall, of the American Association of  
Nurserymen, that arrangements have  
been made by the entertainment com-  
mittee, of which F. A. Weber, Nursery,  
Mo., is chairman, by which members  
going to the convention, June 8-10, can  
reach St. Louis at a given time so as  
to meet fellow members and travel  
on to Denver in each other's company.  
We incline to the belief that this  
should prove a very happy combina-  
tion, affording opportunity for renew-  
ing acquaintances and enjoying a so-  
cial time together enroute, as well as  
giving an opportunity for discussing  
matters of business, etc., and thus sim-  
plifying things ready for action im-  
mediately on arrival at the convention  
city.

Eastern members desiring to travel  
by way of St. Louis will arrange to  
reach that city as early as possible on  
the morning of June 6, leaving via  
the Colorado limited, over the Bur-  
lington Route, at 2:15 p. m. It is par-  
ticularly desired that not only eastern,  
but southeastern and southern mem-  
bers observe the same schedule. Ar-  
rangements for through tickets and  
reservations can be made with the  
nearest agent. All roads will sell  
through tickets to Denver, but care  
must be taken to have tickets read  
over the Burlington, and arrange leav-  
ing time so as to make connection  
with the Burlington St. Louis train  
No. 13.

All "nurserymen special cars" will  
be consolidated at Oxford Junction on  
the morning of June 6, thus giving a  
daylight run together through west-  
ern Nebraska and eastern Colorado.  
The meeting place in St. Louis for in-  
coming delegates will be at the Bur-  
lington offices, 728 Olive street, up to  
12 noon; after that time near the in-  
formation bureau, Union station. A  
committee of St. Louis nurserymen  
will be glad to meet members and as-  
sist in any way possible. Reservations  
for the St. Louis sleepers can be sent

## Winterson's

45-47-49 Wabash Ave.

CHICAGO.

Long Distance Phone  
Central 6004.

## SEEDS

Summer Flowering Bulbs

Trees and Shrubs

Bay Trees Box Trees

Everything You Need.

Write, Wire, Phone.

## Phoenix Nursery Company

Nurserymen and Florists  
BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for spring issued Feb. 1st.

to F. A. Weber, Nursery, Mo., or to  
J. G. Delapaine, city passenger agent,  
Burlington route, 728 Olive street, St.  
Louis, Mo.,

Mr. Weber also confirms the previ-  
ously announced arrangements for  
the entertainment of members and  
their wives while in Denver, not the  
least interesting of which will be the  
proposed complimentary trip over the  
renowned Moffat route, said to be  
one of the finest scenic routes out of  
Denver. Funds for the entertainment  
features promise to be such "that the  
various stunts will be pulled off on  
schedule time."

The exhibits promise to be up to the  
average, if not in excess, and E. P.  
Bernardin, chairman of committee on  
exhibits, writes: "We are promised  
some fine Colorado grown ripe cher-  
ries, which all will enjoy." Every  
member reading this notice, and who  
has not yet sent in his name to the  
secretary, should do so at once, in or-  
der to be sure of a place in the badge  
book. Address John Hall, secretary,  
204 Granite building, Rochester, N. Y.

Members going by way of Chicago  
will leave this city on Burlington No.  
9, leaving 9:45 a. m., June 6, con-





## Arbor Vitæ

(Thuya Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.  
Write for descriptions and prices.

The Wm. H. Moon Co.,  
MORRISVILLE, PA.

## DAHLIAS

Jack Rose and other best Cut Flower varieties. Write for list and prices.

PEACOCK DAHLIA FARMS

Williamstown Junction, N. J.

## LARGE TREES

OAKS and MAPLES  
Pines and Hemlocks

ANDORRA NURSERIES.

Wm. Warner Harper, Prop.  
Chestnut Hill, PHILA., PA.

THE

## Storrs & Harrison Co.

PAINESVILLE NURSERIES.

CATALOGUES AND PRICE LISTS  
FREE ON APPLICATION.....

PAINESVILLE, OHIO.

Eugene Pitou, Jr. CIVIL ENGINEER and  
Landscape Architect.

Phone Barclay 6084—229 Broadway, New York  
Designs, Estimates, Construction of Grounds.

solidating with the St. Louis train No. 13 at Oxford Junction at 8:25 on the morning of June 7, arriving at Denver 4:05 p. m. same day. Members going to St. Louis by way of Kansas City can leave that city on Burlington train No. 13, 9:30 p. m., June 6, consolidating with St. Louis train No. 13 at St. Joseph, Mo., at 11:25 p. m. Members going by way of Omaha to St. Louis will arrange reservations so as to take No. 9 out of Omaha, leaving at 11:25 p. m., June 6.

### Duty on Fig Trees.

Fig trees classified as nursery stock under paragraph 252, tariff act of 1897, were claimed to be free of duty as tropical or semitropical fruit plants under paragraph 560 by J. Leroy Nickel of San Francisco but the following decision has been made by the general appraiser: "The case has been submitted without evidence. These trees were shipped from London and, according to the statements in the protest, were produced in England. From the article on the 'Fig' in the New International Encyclopedia (Vol. VII, p. 596), we learn that the fig tree was introduced into England prior to 1257, and is grown in the south of England to this day; hence we must conclude it has become indigenous to that climate, and can not be considered of a tropical or semitropical nature. The protest must therefore be overruled."

JOHNSTOWN, PA.—The H. H. Mishler Produce Co. will build five greenhouses this summer, each 25x325 feet, using the King Construction Co.'s materials

## CANNAS

We are sold out of all Cannas with the exception of the following varieties; and offer until sold at prices quoted.

F. O. B. New York or Chicago  
for Immediate Delivery.

Red-Flowering Canna's.

|                          |        |         |
|--------------------------|--------|---------|
| A. Bouvier, 5-ft.....    | 100    | 1000    |
| Bl. ck Prince, 3 to 4-ft | \$1.50 | \$14.00 |
| Exp. Crampbell, 5½       | 1.75   | 15.00   |
| feet.....                | 1.50   | 14.00   |

Red, Gold-edged and Spotted Shades

|                         |      |       |
|-------------------------|------|-------|
| Gladiator, 4-ft.....    | 2.75 | 25.00 |
| Indiana, 3 to 4-ft..... | 1.75 | 15.00 |
| Queen Charlotte, 3½     |      |       |
| feet.....               | 2.25 | 20.00 |
| Mme. Crozy, 5½-ft.....  | 2.00 | 17.50 |
| .. de A. Crozy, .....   | 2.00 | 17.50 |

Chicago and West rn  
agents for our Cannas

WINTERSON'S SEED STORE, 45-47-49 Wabash Ave.,  
Chicago.

ARTHUR T. BODDINGTON,

Seedsman

342 W. 14th St., NEW YORK

## Roses! Roses!

We offer for immediate delivery the following Roses on own roots, dormant, field-grown plants, first-class in every way:

|                            |           |
|----------------------------|-----------|
| 1000 Helen Gould, Balduin, | 12 cents. |
| 300 Pink Baby Ramblers,    | 12 cents. |
| 500 Newport Fairy, - -     | 12 cents. |
| 1000 Dorothy Perkins. - -  | 12 cents. |
| 2000 Tausendschon, - -     | 20 cents. |

Also a limited number of dormant, field-grown plants, own roots of the following Roses at 12 cents each; Sweetheart, Trier, Lady Gay, La Fiamma, Taurus Blumchen. Debutante, Hiawatha.

|                                                          |           |
|----------------------------------------------------------|-----------|
| Clematis Paniculata, field-grown, 1 yr.                  | 5 cents.  |
| Clematis Paniculata, field-grown, 2 yr.                  | 8 cents.  |
| Hydrangea Paniculata Grandiflora, 18 to 24 in.           | 6 cents.  |
| Hydrangea Paniculata Grandiflora, 2 to 3 ft              | 9 cents.  |
| Viburnum Plicatum, 2 to 3 ft.....                        | 12 cents. |
| Chinese Sacred Lilies, \$3.00 per 100; \$25.00 per 1000. |           |

**Guide To Rose Culture** As a work of reference, this book is almost indispensable and was produced at a cost of \$10,000. FREE to all who ask for it. Write to-day.

**The DINGEE & CONARD CO.,** West Grove, Pa.

## A BLUE ROSE

The Greatest  
Rose Novelty  
of the Century

It flowered with us this season and was greatly admired.

ELLWANGER & BARRY

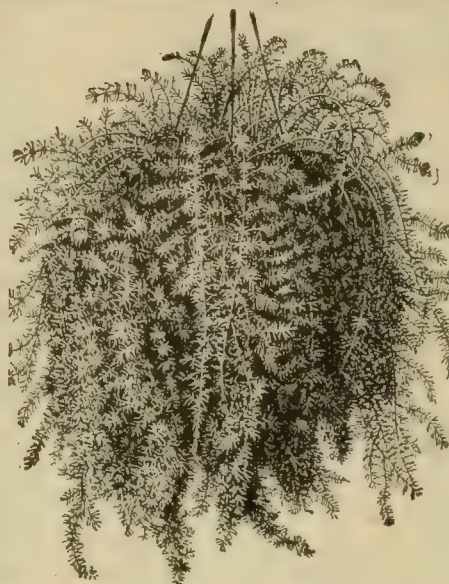
Mount Hope Nurseries

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ROCHESTER, N. Y.





ASPARAGUS SPRENGERI.

# Asparagus

## ASPARAGUS PLUMOSUS NANUS

We handle this Asparagus both in seed and plants of all sizes, in very large quantities and make very close prices on larger amounts on application. Our seed is pure, fresh, of best germinating quality and vitality.

### Northern Greenhouse Grown Seed.

Per 100 seeds, 60c; 250 seeds, \$1.25; 1000 seeds, \$4.00; 5000 seeds at \$3.50 per thousand.

**SPRENGERI** 100 seeds, 15c; 250 seeds, 25c; 1000 seeds, 75c; 5000 seeds \$3.25.

**Starting Asparagus Plumosus Nanus Seed.** This seed may be sown at any time of the year, but April or May is the natural time. Bottom heat is of great advantage. If soaked four days, and given good bottom heat, say 70 degrees, the plants can be sprouted in 25 days and transplanted 25 days later.



SINGLE SPRAY ASPARAGUS PLUMOSUS NANUS.

**Vaughan's Seed Store,** 84-86 Randolph St., CHICAGO.  
25 Barclay St., NEW YORK.

## Neph. Whitmani

2 1/4-in ..... 5.00 per 100  
**MAGNIFICA** (new), 2 1/4-in... 25.00 per 100

**Boston Ferns** 2 1/4-inch,  
\$3.00 per 100.

Henry H. Barrows & Son, Whitman, Mass.

Mention the American Florist when writing

### Providence.

Business for the past week was not so satisfactory as it has been owing to unsettled weather. Frost has done several thousand dollars' worth of damage to early fruit flowers and vegetables and shortened up on first class cut flowers. Gladiolus America and Spanish irises are coming in more plentifully and sell well. Carnations are good in quality and there are plenty to go around. The same may be said of roses but these were bought up close. Indoor and outdoor bulbous stock remains very plentiful and of good quality. Sweet peas, orchids and gardenias are completely cleaned up here two and three times a week. Yellow daisies are plentiful and sell well. No bedding plants except pansies have sold during the week. Large orders for geraniums in bloom for Memorial day are being booked. Every outdoor flower was destroyed by the frost. The great glut of this stock that has been seen for the past two weeks was entirely wiped out and this means a harvest for the grower of indoor stock. With the dark weather of the past week indoor stock has shortened up but the prices remain the same as they were during April. That is owing to poor business.

### NOTES.

The executive committee of the State Board of Agriculture at its regular monthly meeting May 4 voted \$1,500 and other assistance to this city to fight the elm tree beetle and tussock moth, as well as voting to aid nine other cities and towns in the same work along other lines. City Forester Johnson appeared before the committee at the meeting and explained that the city did not need any

## A ROSE FOR EVERY GREENHOUSE

### GRAFTED ROSES

**White Killarney, My Maryland, Pink Killarney, Richmond.**

Rose pots ..... \$15 00 per 100  
3 1/2-inch pots ..... 18 00 per 100

**Bride, Bridesmaid, La France, Kaiserin.**

Rose pots ..... \$10 00 per 100  
3 1/2-inch pots ..... 15 00 per 100

### OWN ROOT ROSES

**White Killarney, My Maryland, Richmond, Pink Killarney, American Beauty.**

3-inch pots ..... \$9 00 per 100  
4-inch pots ..... 12 00 per 100

**Bride, Bridesmaids, Perle, Chateaufort, Kaiserin.**

3-inch pots ..... \$7 00 per 100  
4-inch pots ..... 10 00 per 100

We will have large quantities of **American Beauty** Rose plants of the best quality for spring delivery. **Verbena** and **Coleus** Plants ready for shipment, at \$20.00 per 1000.

—Send for Circulars—

**J. L. DILLON,**

**Bloomsburg, Pa.**

instructions to carry on the work, nor did it need the apparatus. He said that if the committee would vote a sum of money and contract to supply the spraying material, the city itself would look after the rest of the work. This was done. There are two other cities and seven towns the state board will aid by supplying a man to take charge of the work, the apparatus and the material. The municipalities will furnish the help needed in the work. President William Williams presided at the meeting and there was a full attendance of the executive committee. About 100 persons have applied for work in the fight against the gypsy moth to be carried on by the board.

Wm. Hay has leased a store at the corner of Washington and Clemence streets to be used as a wholesale store for such stock as he raises on his place at Oakland. He has just received the material for the building of a new iron frame rose house 60 x 300 feet. A real estate agent has about completed the sale of Mr. Hay's greenhouses on Dyer avenue, the Olneyville section. This place consists of 60,000 feet of glass and dwelling. Mr. Hay is now located at his new place at Oakland.

Joseph L. Reynolds, of T. J. Johnston & Co.'s store, who has been in the Rhode Island hospital since Thanksgiving week with a complication of blood poisoning and pneumonia, underwent another operation dur-

ing the past week. Joe has the heartfelt sympathy of his many friends who hope to see him at his post soon.

Mothers' day was observed here Sunday, May 8, by several thousand people wearing a white carnation in their buttonhole. The Out Let Co., a large department store, gave away 5,000 white carnations to customers last Friday and Saturday to be worn on Sunday in honor of Mothers' day.

F. Macrea & Sons have completed a cold storage house for bulbous stock to be forced at all times in the year. Alex. Macrea finds this very necessary since he and Edward Brook bought the retail store business of the late T. J. Johnston.

James B. Canning expects to lease a retail store. He has not given out the exact location yet and says the present occupants are not to vacate till September 1.

M. J. Leach & Sons, Wm. Hoffman and Frank O'Reilly of Pawtucket, all report an immense business during April. Funeral and design work was exceptionally heavy.

Geo. A. Johnston, who has been confined to his home most of the past year with rheumatism, is about again. J. BRITON.

**HOUGHTON, MICH.**—The Pearce Hardware & Furniture Co. is building a large greenhouse here with materials supplied from Chicago.



# Palms That Bring "Repeat" Orders

That's the test of quality—not the first order, but the second and the third! We're glad for new business—and we're getting a lot of it—but we value most of all the patronage of those who have been with us steadily for years. Such orders prove beyond question the superiority of our Palms—prove the advantage of buying home-grown stock produced under the care of Palm experts.

All of our Palms are propagated from the seed, right here in our own houses. Ours are clean, strong and vigorous—vastly better than any imported Palms you could buy—yet they cost no more.

## Areca Lutescens.

6-in. pot, 3 plants in pot, 26 to 28-in. high...Each \$1.00  
7-in. pot, 3 plants in pot, 30 to 32-in. high...Each \$2.00  
8-in. pot, 3 plants in pot, 36 inches high...Each \$2.50  
8-in. pot, 3 plants in pot, 42 inches high...Each \$3.00

## Cocos Weddelliana.

2½-in. pot, 8 to 10-in. high  
Per 100.....\$10.00

## Kentia Belmoreana.

5-in. pot, 6 to 7 leaves 18-in. high.....Per doz. \$ 6.00  
Per 100.....50.00  
5-in. pot, 6 to 7 leaves, 20-in. high, Per doz.....\$ 9.00  
Per 100.....70.00



These Palms not only bring "repeats" to us, but to you, too—your customers will appreciate their excellence and will order again. It's little trouble to dispose of such "quality stock" and there's profit in it. Use Heacock's Palms for straight sales for store display and corating.

cont. acts, or entering; you can, in this way, build up a department showing a good income—florists everywhere are doing it.

We offer a very choice collection this spring and advise placing orders early before the stock is picked over. Shipments are made by fast freight, assuring quick deliveries at low carriage rates.

## Kentia Belmoreana.

6-in. pot, 6 to 7 leaves, 22 to 24-in. high, Each....\$ 1.00  
Per doz.....12.00  
7-in. pot or tub, 6 to 7 leaves 32 to 34-in. high,  
Each .....\$ 2.00  
Per doz.....24.00  
9-in. tub, 6 to 7 leaves, 5-ft. high, Each \$7.50 and \$8.00

## Made-up Kentia Forsteriana.

9-in. tub, 4 plants in tub, 42 to 48-in. high, Each \$ 4.00  
12-in. tub, 4 plants in tub, 6 ft. high, Each.....15.00

## Phoenix Roebelenii.

5-in. pots, nicely characterized, Each.....\$1.00  
6-in. pots, nicely characterized, Each.....\$1.50

"When in Philadelphia be sure to look us up."

**JOSEPH HEACOCK CO., Wyncote, Pa.**

## PALMS, FERNS AND Decorative Plants

**JOHN SCOTT,** Rutland Rd. & E. 45th St.  
**BROOKLYN, N. Y.**

### Big Greenhouse Succumbs.

#### WIND'S QUEER PRANKS.

With a mighty noise resembling a terrific explosion, part of the mammoth vegetable greenhouse owned by W. H. Weinschenck of New Castle, Pa., gave way to the tremendous pressure upon it, during the heavy windstorm during the night of May 1, and several thousand dollars' damage resulted. The havoc wrought was brought about in a very peculiar manner. The greenhouse, which is some 600 feet in length and about 135 feet in width, has been in course of construction for a year or more past, and was almost completed. Neither of the ends have as yet been closed entirely. When the wind storm struck the building, it struck it in such a manner that the wind started through from both ends at once. When the currents met about the middle of the long structure, something akin to a gas explosion took place and about 250 feet of the building was blown to atoms. This was taken right out of the middle of the building and 200 feet were left standing on both sides of the destroyed section, but in a damaged condition.

The greenhouse was filled with spring vegetables and other greenhouse stock and the greater part of that in the destroyed section was ruined when the avalanche of broken glass fell upon it. This greenhouse is the largest one in this part of the state and the cost of

# Maids and Brides

## One Year Old Grafted Bench Plants

Fine plants for out-door planting or replanting in the benches, cut back to about 18-inches; per 100, \$5.00.

## Carnation O. P. Bassett

From soil. R. C., \$6.00 per 100.

**Bassett & Washburn,** Office and Store,  
76 Wabash Ave., CHICAGO  
Greenhouses, Hinsdale, Ill.

## Ferns for Dishes...

Assorted varieties, 2¼-in. pots, \$3.50 per 100;  
\$30.00 per 1000. Cash with order.

### FRANK OECHSLIN

4911 Quincy St. CHICAGO.

## Rooted Cuttings

|                                |        |                             |         |
|--------------------------------|--------|-----------------------------|---------|
| Per 100                        | 1000   | Per 100                     | 1000    |
| <b>Heliotropes</b> .....\$1.00 | \$8.00 | <b>Petunias</b> .....\$1.25 | \$10.00 |
| <b>Daisies</b> , white         |        | <b>Salvias</b> .....1.00    | 8.00    |
| and yellow.....1.00            |        | <b>Alyssum</b> ......80     |         |
| <b>Coleus</b> ......70         | 6.00   | <b>Ageratums</b> ...60      | 5.00    |

Express paid on rooted cuttings.

**S. D. BRANT,**

Clay Center, Kans.

construction was about \$7,000. The biggest part of the greenhouse will have to be reconstructed so that the damage done by the storm will amount to several thousand dollars. No insurance was carried on the build-

## GOOD, CLEAN, HEALTHY 2-inch Stock

We have the following in surplus stock, a few thousand to dispose of:

### ROSES

|                                   |         |          |
|-----------------------------------|---------|----------|
|                                   | Per 100 | Per 1000 |
| <b>Maid and Bride</b> .....       | \$3.00  | \$20.00  |
| <b>Mrs. Jardine</b> .....         | 4.00    | 35.00    |
| <b>Bench Richmond</b> .....       | 4.00    | 30.00    |
| <b>Bench Bride and Maid</b> ..... | 4.00    | 30.00    |

## J. A. Budlong,

37-39 Randolph Street, CHICAGO.

Mention the American Florist when writing

ing so that the damage is a total loss. Work of rebuilding the damaged section will be started within a short time, it is believed.



# Geraniums

## ROOTED CUTTINGS

Ricard, Poitevine and S. A. Nutt, ready May 15th.  
at \$10.00 per 1000.

## PLUMOSUS

Fine stock from rose pots at \$25.00 per 1000.  
Sample for 10c.

## Smilax and Sprengerii

Ready June 1st.

Smilax ..... \$12.50 per 1000  
Sprengerii ..... 15.00 per 1000

ALBERT M. HERR, Lancaster, Pa.

Mention the American Florist when writing

## A New Fern NEPHROLEPIS GIATRASH

Awarded a Certificate of  
Merit by the Horticultural  
Society of New York.

Prices: In 2½-inch pots, \$3.50 per  
dozen; \$25.00 per 100; \$200.00 per 1000.  
25 plants at 100 rates; 500 plants at 1000  
rates. Orders delivered in rotation as  
received. Now Ready for delivery,

GEORGE GIATRASH,  
463 Summit Ave., West Hoboken, N. J.

Mention the American Florist when writing

## PANSIES

\$2.00 per 1000, to  
close out.

Swainsonia alba, 2-in., 2c: Feverfew, double  
white, small plants, 75c. \$6.00 per 1000; Sweet Wil-  
liams, \$3.00 per 1000; Asters, white, \$3.00 per 1000;  
Feverfew, 2-in., 2c: Dusty Miller, 2-in., 1½c;  
Petunias, double, 2-in., 2c: Alternantheras, red  
and yellow, 2-in., 2c.

ROOTED CUTTINGS, prepaid: Heliotrope, \$1.00  
per 100; Paris Daisy, yellow, white, \$1.00 per 100;  
Cuphea, 75c per 100; Vinca Variegata, 90c per 100.  
\$3.00 per 1000, extra fine: Coleus, 10 kinds, 60c per  
100, \$5.00 per 1000; Alternanthera, 3 kinds, 50c per  
100, \$4.50 per 1000; Ageratum, 3 kinds, 60c per 100;  
Swainsonia alba, \$1.00 per 100; Dbl. Petunias,  
10 kinds, \$1.00. Cash with order.

BYER BROS., Chambersburg, Pa.

Mention the American Florist when writing

Fredericton, N. B.

May 1 entered with the snow cover-  
ing the ground. For several weeks  
past we have had unusually mild, hu-  
mid weather, but for a change a thun-  
der storm cleared the air, the wind  
changed to westerly and two or three  
nights we had eight or ten degrees of  
frost. We have had to resume firing  
again in houses, but the sun shines  
again now and the snow has mostly  
melted. The peas are up, rhubarb is  
well advanced, but the latter looks  
set back or chilled through and  
through. The Gladiolus nanus varieties  
in the benches are just coming into  
bloom and are going to be a great  
success, including Bride, Blushing  
Bride, General Scott, Mathilda, Peach  
Blossom, Queen Wilhelmina and oth-  
ers. The carnations look well; fu-  
neral work has been in great demand  
since Easter. Farming and putting in  
crops is the order of the day. There  
seems to have been a general glut of  
potatoes in these parts. During the  
winter many predicted they would be  
\$2 per barrel this spring, but they are  
down to 60 cents. Some have to feed  
them to their cattle, as there is next  
to no demand for them. Perhaps there  
will be far less planted this year, as  
farmers do not or cannot work for  
nothing all the time. J. B.

# Florists' 'Mums

## EARLY

|                                  | From pots | 100     | 1000   | Rooted Cuttings | 100 | 1000 |
|----------------------------------|-----------|---------|--------|-----------------|-----|------|
| Clementine Touse—White           | \$3.00    | \$25.00 | \$2.00 | \$17.50         |     |      |
| Gloria (New)—Enchantress pink    | 4.00      | 30.00   | 3.00   | 25.00           |     |      |
| Indiana (New)—A white Appleton   | 6.00      |         | 4.00   |                 |     |      |
| Ivory—Dwarf white                | 3.00      | 25.00   | 2.50   | 20.00           |     |      |
| Monrovia—Bright yellow           | 3.00      | 25.00   | 2.50   | 20.00           |     |      |
| October Frost—Best early white   | 3.00      | 25.00   | 2.50   | 20.00           |     |      |
| Pacific Supreme—Improved Pacific | 3.00      | 25.00   | 2.50   | 20.00           |     |      |

## MIDSEASON

|                                         |       |       |      |       |
|-----------------------------------------|-------|-------|------|-------|
| A. J. Balfour—Bright pink               | 3.00  | 25.00 | 2.50 | 20.00 |
| Col. D. Appleton—Incurved yellow        | 3.00  | 25.00 | 2.00 | 15.00 |
| Crocus—Light yellow                     | 3.00  | 25.00 | 2.00 | 15.00 |
| Mrs. W. E. Kelley—Late midseason yellow | 6.00  | 50.00 | 5.00 | 40.00 |
| Major Bonaffon—Incurved yellow          | 3.00  | 25.00 | 2.00 | 15.00 |
| Pres. Roosevelt—Incurved light pink     | 4.00  | 35.00 | 3.00 | 25.00 |
| Pres. Taft (New)—Incurved white         | 10.00 |       | 8.00 | 70.00 |
| Tim Eaton—White                         | 3.00  | 25.00 | 2.50 | 20.00 |
| White Cloud—Pure white                  | 3.00  | 25.00 | 2.50 | 20.00 |

## LATE

|                                     |      |       |      |       |
|-------------------------------------|------|-------|------|-------|
| Golden Eagle—Incurved bright yellow | 4.00 | 30.00 | 3.00 | 25.00 |
| Intensity—Reflexed bright crimson   | 4.00 | 30.00 | 3.00 | 25.00 |
| Mlle. Jeanne Nonin—Incurved white   | 3.00 | 25.00 | 2.00 | 15.00 |
| Mlle. Jeanne Rosette—Light pink     | 3.00 | 25.00 | 2.50 | 20.00 |
| Maud Dean—Bright pink               | 3.00 | 25.00 | 2.50 | 20.00 |
| Nagoya—Bright yellow                | 4.00 | 30.00 | 3.00 | 25.00 |
| Yanoma—White                        | 3.00 | 25.00 | 2.50 | 20.00 |

Special fine lot of Anemones, Pompons and Singles

Our selection ..... \$3.00 per 100; \$25.00 per 1000

ELMER D. SMITH & CO., Adrian, Mich.

# CHRYSANTHEMUMS

Extra Fine Stock of the Following Varieties:

|                         | R. C. per | 2½-in. per |               | R. C. per | 2½-in. per |
|-------------------------|-----------|------------|---------------|-----------|------------|
|                         | 100       | 1000       |               | 100       | 1000       |
| <b>WHITE.</b>           |           |            |               |           |            |
| Earliest White          |           |            |               |           |            |
| October Frost           | \$2.50    | \$20.00    | \$3.00        | \$25.00   |            |
| Virginia Pochlmann      | 3.00      | 25.00      | 4.00          | 35.00     |            |
| Robinson                | 2.50      | 20.00      | 3.00          | 25.00     |            |
| Clementine Touse        | 2.50      | 20.00      | 3.00          | 25.00     |            |
| Alice Byron             | 2.50      | 20.00      | 3.00          | 25.00     |            |
| Timothy Eaton           | 2.50      | 20.00      | 3.00          | 25.00     |            |
| President Roosevelt     | 3.00      | 27.00      | 4.00          | 35.00     |            |
| White Bonaffon          | 2.50      | 20.00      | 3.00          | 25.00     |            |
| W. H. Chadwick          | 3.00      | 27.00      | 4.00          | 35.00     |            |
| Merry Christmas         | 2.50      | 20.00      | 3.00          | 25.00     |            |
| <b>YELLOW.</b>          |           |            |               |           |            |
| Golden Glow             | 3.00      |            | 4.00          |           |            |
| Monrovia                | 2.50      | 20.00      | 3.00          | 25.00     |            |
| Halliday                | 2.50      | 20.00      | 3.00          | 25.00     |            |
| Col Appleton            | 2.50      | 20.00      | 3.00          | 25.00     |            |
| Major Bonaffon          | 2.50      | 20.00      | 3.00          | 25.00     |            |
| Yellow Eaton            | 2.50      | 20.00      | 3.00          | 25.00     |            |
| Golden Wedding          | 3.00      | 27.50      | 4.00          | 35.00     |            |
| Chautauqua Gold         | 2.50      | 20.00      | 3.00          | 25.00     |            |
| <b>PINK.</b>            |           |            |               |           |            |
| Rosiere                 | \$2.50    | \$20.00    | \$3.00        | \$25.00   |            |
| McNiece                 | 2.50      | 20.00      | 3.00          | 25.00     |            |
| Maud Dean               | 2.50      | 20.00      | 3.00          | 25.00     |            |
| Dr. Enguehard           | 2.50      | 20.00      | 3.00          | 25.00     |            |
| <b>RED.</b>             |           |            |               |           |            |
| Schrimpton              | 3.00      | 20.00      | 3.00          | 25.00     |            |
| Intensity               | 2.50      | 20.00      | 3.00          | 25.00     |            |
| <b>POMPONS.</b>         |           |            |               |           |            |
| <b>YELLOW.</b>          |           |            |               |           |            |
| Baby, Klondyke, Zenobia |           |            | R. C. per 100 |           |            |
|                         |           |            |               |           | \$2.50     |
| <b>WHITE.</b>           |           |            |               |           |            |
| Lulu, Diana             |           |            |               |           | 2.50       |
| Baby Margaret           |           |            |               |           | 4.00       |
| Briola, pink            |           |            |               |           | 2.50       |
| Mrs. Beu, bronze        |           |            |               |           | 2.50       |
| Quinola                 |           |            |               |           | 3.00       |

White Killarney, My Maryland, Pink Killarney.

2½-in. plants. Booking orders now for future deliveries. The Right Place—The Right Goods—  
The Right Price—Come and See Them Grow.

|                 | 2½-inch. | 100     | 1000 |                                                  | 2½-inch. | 100     | 1000 |
|-----------------|----------|---------|------|--------------------------------------------------|----------|---------|------|
| White Killarney | \$8.50   | \$75.00 |      | Brides                                           | \$5.00   | \$40.00 |      |
| Pink Killarney  | 6.00     | 55.00   |      | American Beauties                                | 7.00     | 65.00   |      |
| My Maryland     | 6.00     | 55.00   |      | You cannot afford to buy poor stock at 50% less. |          |         |      |
| Kaiserin        | 5.00     | 40.00   |      | Cut back benched Beauties ..... \$45.00 per 1000 |          |         |      |
| Richmond        | 5.00     | 40.00   |      |                                                  |          |         |      |

POEHLMANN BROS. CO., Morton Grove, Ill.

## Bench Plants

|                 |      |         |
|-----------------|------|---------|
| American Beauty | 1000 | \$50.00 |
| Richmond        | 30   | 00      |

GEORGE REINBERG

51 Wabash Avenue, CHICAGO.

## Wanted.

1000 Chrysanthemum rooted cut-  
tings; leading varieties, state price.

Address

Key 517, care American Florist.

## SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums  
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL,  
New York.

To The Chicago Trade:

Are you looking for

Good Geraniums and Salvias

WE HAVE THEM.

. ARLT, 3653 Dickens Avenue, Chicago.  
Phone Belmont 183



# BAY TREES

We have just received four carloads of fine shapely trees in the following sizes:

| Standard or Tree Shaped. |           | Dwarf Standards. |              |
|--------------------------|-----------|------------------|--------------|
| Stem about               | Crown.    | Total Height.    | Crown.       |
| 38-40 in.                | 22-24 in. | 4 to 5 feet.     | 24 to 26 in. |
| 42-46 in.                | 24 in.    |                  |              |
| 45-48 in.                | 26 in.    |                  |              |
| 46-50 in.                | 28 in.    |                  |              |
| 45-48 in.                | 30 in.    |                  |              |
| 46-54 in.                | 34 in.    |                  |              |
| 46-53 in.                | 40 in.    |                  |              |
|                          |           | Height.          | Base.        |
|                          |           | 5 ft.            | 24 to 26 in. |
|                          |           | 6 ft.            | 26 to 28 in. |
|                          |           | 6½ ft.           | 28 to 30 in. |

Each. \$6.50  
6.75  
7.50  
8.00  
10.00  
12.00  
15.00

Each. \$7.50  
8.00  
10.00  
12.00

## Pyramid Shaped.

| Base.        | Each.  |
|--------------|--------|
| 24 to 26 in. | \$8.00 |
| 26 to 28 in. | 10.00  |
| 28 to 30 in. | 12.00  |

# BOX TREES

## Pyramid Shaped.

| Height. | Ea.    | Pair.  | Height. | Ea.    | Pair.  |
|---------|--------|--------|---------|--------|--------|
| 2 ft.   | \$1.50 | \$2.75 | 4 ft.   | \$4.00 | \$7.00 |
| 2½ ft.  | 2.00   | 3.75   | 5 ft.   | 7.00   | 13.00  |
| 3 ft.   | 2.50   | 4.50   | 6 ft.   | 8.00   | 15.00  |

## Standard or Tree Shaped.

| Crown.       | Each.  | Pair.  |
|--------------|--------|--------|
| 22 to 24 in. | \$4.50 | \$8.00 |
| 30 to 32 in. | 5.50   | 10.00  |
| 32 to 34 in. | 7.00   | 12.00  |

The above prices include trees planted in nice

new green tubs. If wanted out of tubs we allow 10 per cent discount.

## Bush Shaped.

| Height.              | Each.  | Doz.   | 100     |
|----------------------|--------|--------|---------|
| 10 to 12 in.         | \$0.30 | \$3.00 | \$20.00 |
| 12 to 15 in.         | .35    | 3.50   | 25.00   |
| 15 to 18 in., light. | .40    | 4.00   | 30.00   |
| 15 to 18 in., heavy. | .45    | 4.50   | 35.00   |
| 20 to 24 in.         | .75    | 8.00   |         |
| 24 in.               | 1.00   | 10.00  |         |

# ROSES,

2 year old,  
dormant — budded.

|                   | Doz.   | 100     |                         | Doz.   | 100     |
|-------------------|--------|---------|-------------------------|--------|---------|
| American Beauty.  | \$2.00 | \$15.00 | Mrs. R. G. S. Crawford. | \$2.00 | \$15.00 |
| Gen. Jacqueminot. | 1.75   | 14.00   | Mme. Gabriel Luizet.    | 1.75   | 14.00   |
| Hugh Dickson.     | 2.50   | 20.00   | Gen. Washington.        | 2.00   | 15.00   |
| Mrs. John Laing.  | 1.75   | 14.00   | Magna Charta.           | \$1.75 | \$14.00 |
|                   |        |         | John Hopper.            | 1.75   | 14.00   |
|                   |        |         | Paul Neyron.            | 2.00   | 15.00   |
|                   |        |         | Perle des Blanches.     | 1.75   | 14.00   |

Standard Bay.

Pyramid Box.

## VAUGHAN'S SEED STORE,

Western Springs, Ill.

## Chrysanthemum Cuttings

Now booking orders for early delivery.

| WHITE         | Per 100 | 1000    |
|---------------|---------|---------|
| Oct. Frost.   | \$2.00  | \$15.00 |
| Kalb.         | 2.60    | 15.00   |
| V. Poehlmann. | 2.50    | 20.00   |
| Touset.       | 2.00    | 15.00   |
| A. Byron.     | 2.00    | 15.00   |
| Wanamaker.    | 2.00    | 15.00   |
| White Cloud.  | 2.00    | 15.00   |
| T. Eaton.     | 2.50    | 20.00   |
| Chadwick.     | 2.50    | 20.00   |
| Nonin.        | 2.00    | 15.00   |

## PINK

|            |      |       |
|------------|------|-------|
| Balfour.   | 2.00 | 15.00 |
| Enguehard. | 2.00 | 15.00 |

## YELLOW

|                  |      |       |
|------------------|------|-------|
| Golden Glow.     | 2.00 | 15.00 |
| Monrovia.        | 2.00 | 15.00 |
| Oct. Sunshine.   | 2.00 | 15.00 |
| Appleton.        | 2.50 | 20.00 |
| Y. Eaton.        | 3.00 | 25.00 |
| Golden Chadwick. | 2.00 | 15.00 |
| Halliday.        | 2.00 | 15.00 |
| Bonnafon.        | 2.00 | 15.00 |

## Rooted Carnation Cuttings For immediate delivery.

|                        | Per 100 | 1000    |
|------------------------|---------|---------|
| White Enchantress.     | \$3.00  | \$25.00 |
| Rose Pink Enchantress. | 2.50    | 20.00   |

J. D. THOMPSON CARNATION CO.,  
JOLIET, ILL.

Albert Lea, Minn.

Clausen & Son have been very successful with their violets this year and returns for them were very satisfactory. In roses this year they will grow 2,000 White Killarney and 2,000 pink with a few each of Bride and Richmond. In carnations they are growing all the leading commercial varieties. Having had the misfortune to buy a poor grade of putty two years ago, which gave them a great deal of trouble this winter, they are now busy reglazing their entire plant. Clausen, Jr., is very fond of hunting and last winter tramped the woods for deer, securing as many as the law allows. He is now planning a fishing trip with O. J. Olson of St. Paul. ABYDOS.

## A. N. PIERSON, Inc.

CROMWELL, CONN.

## Gardenias

2¼-inch pots, \$7.00 per 100; 3-inch pots, \$12.00 per 100; 4-inch pots \$20.00 per 100.

## Dracena Indivisa

4-inch pots, \$1.80 per dozen; \$12.00 per 100; 5-inch pots; strong plants, \$25.00 per 100.

## Cannas

Gladiator, green foliage, yellow flower spotted with red.

Wyoming, bronze foliage, red flower.

Louisiana, green foliage, red flower.

Assorted Cannas, good standard varieties.

The above 4-inch pots, \$1.00 per dozen; \$8.00 per 100.

ASPARAGUS PLUMOSUS SEEDLINGS, \$1.00 per 100; \$10.00 per 1000.

ASPARAGUS SPRENGERI SEEDLINGS, 50c per 100; \$5.00 per 1000.

SMILAX, 2¼-inch pots, \$2.50 per 100; \$20.00 per 1000.

## Miscellaneous Plants

Apple Geraniums, 2-in., \$2.00 per 100, \$18.50 per 1000; 3 in., \$4.00 per 100.

Alternantheras, red and yellow, six varieties, 2-in., \$2.00 per 100, \$18.50 per 1000.

German or Parlor Ivy, 2 in., \$2.00 per 100.

Hardy Ivy, 2 in., \$2.00 per 100, \$17.50 per 1000.

Salvia, Bonfire and Zurich, 2 in., \$2.00 per 100, \$17.50 per 1000.

Asters, Vick's Early and Late Branching, select colors, strong transplanted plants, 2-in., \$2.00 per 100; \$18.50 per 1000.

Dahlia Plants, from 2 in., at \$2.00 per 100 up. For \$18.50 cash we will send 1000, 50 each of 20 distinct varieties, including Show, Decorative and Cactus.

R. VINCENT Jr., & SONS CO., White Marsh, Md.

Mention the American Florist when writing

FORT DODGE, IA.—The North Floral Co. has rented a store on South Ninth street which will be used for a downtown office and display room.

## Snow-White Sport of Helen Frick Chrysanthemum

From 2¼-inch pots \$10.00 per 100.

Rooted cuttings, \$8.00 per 100.

Unrooted cuttings, \$5.00 per 100.

HENRY EICHHOLZ, Waynesboro, Pa.  
Mention the American Florist when writing

## ASPARAGUS PLUMOSUS

2-year clumps, 15c; 2-inch pots, strong, \$2.25 per 100; \$20.00 per 1000.

IMPATIENS in variety, strong, 2-inch, 3c.

BRIDESMAID ROSES, 2 inch pots, 2½c.

W. W. Coles, Kokomo, Ind.  
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# Orchids

CATTLEYAS  
**TRIANAE**  
**LABIATA**  
**MOSSIAE**  
**GASKELLIANA**

DENDROBIIUMS  
**CHRYSTOXUM**  
**DENSIFLORUM**  
**WARDIANUM**  
**NOBILE**

**Vanda Coerulea**  
**G. L. FREEMAN CO.**  
 Fall River, Mass

## TRADE LIST

**Clematis**, large flowering varieties, 2-year-old plants; **Henryi**, Mme. Veillard, \$3.00 per dozen.

**Clematis**, paniculata, strong plants, \$10.00 per 100; 3-in. pots, \$5.00 per 100.

**Dracena Indivisa** 4-inch pots, \$10.00 per 100.

**Passiflora coerulea**, 3-in. pots \$5.00 per 100.

**Echeveria Glauca**, \$4.00 per 100.

Plants from 2½-in. pots, \$3.00 per 100: **Achyranthes**, **Lobelias**, double and single blue; **Parlor Ivy**, **Ageratum**, blue; **Coleus**, **Verschaffeltii** Queen Victoria Quadricolor; **Alyssum**, carpet of Snow Golden Feather; **Impatiens Holstii**; **Swainsona alba**; **Alternantheras**, 4 varieties; **Petunias**, Star and Rosy Morn.

Stock from 3-in. pots, \$4.00 per 100. **Geraniums**, Rose and Nutmeg; **Lantana**, Le Naine; **Feverfew**. The Gem; **Ivy**, Hardy English; **Honeysuckle**, **Woodbine** and **Haleana** 4-in. pots \$1.50 per doz.

**Asparagus Sprengeri**, 2-in. pots, \$2.00 per 100; 2½ in. pots, \$3.00 per 100.

**SEEDLINGS** from flats 50¢ per 100; **Asparagus Sprengeri** **Dracena Indivisa**.

**Clematis vitalba**, strong transplanted seedlings, \$1.00 per 100, \$3.00 per 100. This is one of the fastest growing vines covered with long sprays of sweet scented white flowers the whole summer.

**C. EISELE,**

11th and Westmoreland Sts. Philadelphia, Pa.

## Mr. Florist:

Do you grow 'Mums, and do you still grow Ivory for your home trade? If so, how would you like a **Yellow Ivory**? I have it. It's a true sport exactly like its parent in all but color.

I can quote you immediate delivery on 2½-inch pot plants at \$2.00 per dozen; \$15.00 per 100; \$125.00 per 1000.

**CHARLES H. TOTTY,**  
**MADISON, N. J.**

**Rooted Cannas** Allemania, Pennsylvania, Kate Gray, \$2.50 per 100. Per 100  
**Vinca Var.**, 2½, 3, 4 in. \$3.00 \$5.00, \$9.00  
**Asparagus** Robustus, 3-in. 5.00  
**Sprengeri**, 3-in. 5.00  
**Smilax**, 2½ in. 3.00  
**Lobelia**, Bedding Queen and Speciosa, 2-in. 2.00  
**Verbenas**, seedlings in bloom, 2-in. 2.50  
**Alyssum**, Little Gem, 2-in. 2.50  
**Double**, 2-in. 2.50  
**Coleus**, 10 vars., 2, 3-in. \$2.00, 3.00  
**Petunias**, single, large, in bloom, 2, 3-in. 2.00, 3.00  
**WEST END GREENHOUSES,**  
 Hans Schmalzli, Prop. Lincoln, Ill.

## I Am Disposing of the Florham Farms Collection of ORCHIDS

and can quote established plants of **Cattleya Trianae**, **Schroederae**, **Labiata**, in 5 to 8 in. pots, at \$2.00 per plant.  
**Cypripedium Leeanaum**, in pans, from 5 to 8 in., 50c to \$3.00 each.

**CHARLES H. TOTTY,** Madison, N. J.

## Geraniums Coleus

|                                                |      |      |                                                   |      |
|------------------------------------------------|------|------|---------------------------------------------------|------|
| 8 varieties, my selection, 2½-in. pots, \$3.00 | 100  | 1000 | 10 varieties 2½-in. pots, 2.00                    | 100  |
| 8 varieties, 3-in. pots, 4.00                  | 4.00 |      | <b>Double Petunias</b> , Seedlings, 2.50          | 2.50 |
| <b>Asp. Sprengeri</b> seedlings, 1.00          | 7.00 |      | 10 varieties of <b>Cannas</b> , 3½ in. pots, 4.00 | 4.00 |
| <b>Asp. Sprengeri</b> , 2½-in. pots, 2.00      | 2.00 |      | <b>Alternantheras</b> , red and yellow, 2.00      | 2.00 |

—Cash, No C. O. D.—

**JOS. H. CUNNINGHAM,** Delaware, O.

## ORCHID PEAT, (Osmunda Fibre)

Finest quality, hand cleaned, free from sticks and dirt. In chunks or handpicked ready for use.

Also **Rotted and Azalea Peats**, **Leaf Mold**, **Live or Baled Sphagnum Moss**.

Prices and samples on application.

**THE C. W. BROWNELL CO.,** WALDEN, N. Y.

## Orchids



Arrived: **Cattleya Trianae**, **C. Gaskelliana**, **Oncidium varicosum**, **O. crispum**, **O. Forbesii**, **O. Harrisonianum**, **Mitonia cuneata**, **Odontoglossum grande**, **Laelias**, **purpurata**, **gradis tenebrosa** and **flava**.

**Lager & Hurrell Summit, N. J.**  
 Mention the American Florist when writing

## ORCHIDS...

Largest Importers, Exporters, Growers, and Hybridists in the World.

**SANDER,** St. Albans, Eng.

**NEW YORK OFFICE:** T. MELLSTROM, Agent.  
 Room 1, 235 Broadway.

**Vincas, Geraniums, Coleus.**

**Extra Fine Vincas**, 2½-in. 3-in. and 4 in. at \$2.50, \$4.00 and \$8.00 per 100. **Extra Fine Geraniums**, S. A. Nutt etc., 2½ in., 3-in. and 4 in. at \$2.50, \$4.00 and \$8.00 per 100. **Coleus**, **Verschaffeltii**, red and Golden Bigger, R. C. 50c; 2½ in. \$2.50; 3 in. \$3.50 **Alternantheras**, red and yellow, 2-in. fine 2c. each. **Double Petunias**, fine mixed, 2½-in. 3c; 3-in. 5c. Cash and if quality counts we can please you.

**THE SWAN FLORAL CO.,**

Lima, Ohio.

## A FEW GOOD THINGS YOU WANT.

**Rex Begonia**, 2-in. \$5.00 per 100.  
**Asparagus Sprengeri**, 3-in. \$5.00 per 100.  
**Geraniums**, Nutt Perkins Grace, La Favorite, R. C., \$1.25; 2-in. pots \$2.00; 3-in., \$4.00 per 100; **Viaud**, **Castellane**, **Poitevine** **Jaulin**, **Ricard** **Buchner**, R. C., \$1.50; 2-in. pots, \$2.50; 3-in. \$5.00 per 100.  
**Asparagus Plumosus**, 2-in. \$3.00 per 100; 3-in., \$5.00 per 100. Cut fronds 25c per bunch  
**Boston Ferns**, 5-in 25c each, **Whitman Ferns**, 4 in. 25c each  
**Vinca Var.**, 2-in. \$2.00 per 100.  
**Dracena Ind.**, 3-in., \$5.00; 4-in., \$10.00 per 100.  
**Coleus** and **Alternanthera**, red and yellow; **Verbenas**, **Heliotrope**, **Cigar Plant**, **Scarlet Sage**, **Zurich**, always in bloom, 2-in., \$2.00 per 100.  
 Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order  
**GEO. M. EMMANS,** Newton, N. J.

## Orchids..

We have changed our domicile from Secaucus, N. J., to Mamaroneck, N. Y. We are largest collectors and importers of Orchids and are now booking orders for all the commercial Cattleyas for delivery next spring

**CARRILLO & BALDWIN,** Mamaroneck, N. Y.

For RELIABLE STOCK From RELIABLE DEALERS

Keep Tab on Advs. in THE FLORIST



ROSES

PLENTY

IF YOU ORDER THESE VARIETIES

| Teas                    | 2½-in.      | 4-in.      |
|-------------------------|-------------|------------|
| Bougere                 | Doz. \$0.50 | 100 \$3.25 |
| Bridesmaid              | .50 3.      | 25. 8.     |
| Catherine Mermet        | .50 3.      | 25. 8.     |
| Christine de Noe        | .50 3.      | 27½        |
| Coquette de Lyon        | .50 3.      | 25.        |
| Devoienensis            | .50 3.      | 25.        |
| Golden Gate             | .50 3.      | 25.        |
| Isabella Sprunt         | .50 3.      | 25. 8.     |
| Madame Lombard          | .50 3.      | 27½        |
| Mlle. Franziska Kruger  | .50 3.      | 25.        |
| Maman Cochet, Pink      | .50 3.      | 27½        |
| Marie Guillot           | .50 3.      | 25.        |
| Marie Louise            | .50 3.      | 25. 8.     |
| Marie van Houtte        | .50 3.      | 25.        |
| Mrs. Ben R. Cant.       | .50 3.      | 25.        |
| Papa Gontier            | .50 3.      | 27½ 8.     |
| Souv. de Pierre Notting | .50 3.      | 25.        |
| The Bride               | .50 3.      | 25. 8.     |
| The Queen               | .50 3.      | 25. 8.     |
| White Bougere           | .50 3.      | 25.        |
| White Maman Cochet      | .50 3.      | 27½        |

**Hybrid Teas**

|                           |         |         |
|---------------------------|---------|---------|
| Antoine Verdier           | .50 3.  | 25.     |
| Blumenschmidt             | .50 3.  | 30.     |
| Cherry Ripe               | .50 3.  | 30. 8.  |
| Helen Gould (Baldwin)     | .50 3.  | 27½     |
| Jacob's Perle             | .50 4.  | 40. 10. |
| Killarney                 | .60 4½  | 40. 15. |
| Kaiserin Augusta Victoria | .50 3½  | 30.     |
| La Detroit                | .50 3.  | 27½     |
| Mme. Jenny Guillemot      | .50 3.  | 30. 8.  |
| Mlle. Helene Gambier      | .50 3½  | 30.     |
| Meteor                    | .50 3.  | 27½     |
| My Maryland               | 1.00 7. | 60.     |
| Rhea Reid                 | .60 4.  | 35. 10. |
| Striped La France         | .50 3.  | 27½ 8.  |
| Wellesley                 | .50 3.  | 30. 10. |

**Hybrid Perpetuals**

|                     |         |         |
|---------------------|---------|---------|
| American Beauty     | .85 6.  | 50. 15. |
| Anna de Diesbach    | .50 3½  | 30.     |
| Ball of Snow        | .50 3½  | 30.     |
| Climbing Frau Karl  | .3. 25. |         |
| Druschki            | .50 3½  | 30.     |
| Clio                | .50 3½  | 30.     |
| Coquette des Alpes  | .50 3½  | 30.     |
| Dunsmore            | .60 4.  | 35. 7.  |
| Giant of Battles    | .50 3½  | 30.     |
| Gloire Lyonnaise    | .50 3½  | 30.     |
| Madame Charles Wood | .60 4.  | 35. 7.  |
| Madame Masson       | .50 3½  | 30.     |
| Madame Plantier     | .50 3½  | 30.     |
| Magna Charta        | .50 3½  | 30. 7.  |
| Paul Neyron         | .50 3½  | 30. 7.  |

**Climbers**

|                       |        |        |
|-----------------------|--------|--------|
| Climbing Souper       | .50 3. | 25.    |
| Climbing Devoienensis | .50 3. | 25.    |
| Climbing Meteor       | .50 3. | 27½    |
| Cloth of Gold         | .50 3. | 25.    |
| Empress of China      | .50 3. | 25.    |
| James Sprunt          | .50 3. | 25.    |
| Lamarque              | .50 3. | 25. 8. |
| Manchal Niel          | .50 3½ | 30.    |
| Mary Washington       | .50 3. | 25.    |
| Reine Marie Henriette | .50 3. | 25.    |
| Reve d'Or             | .50 3. | 25.    |
| Solfatara             | .50 3. | 25. 8. |

**Hardy Climbers**

|                         |         |        |
|-------------------------|---------|--------|
| Crimson Rambler         | .50 3.  | 25.    |
| Debutante               | .50 3.  | 25.    |
| Dorothy Perkins         | .50 3.  | 25.    |
| Lady Gay                | .50 3.  | 25.    |
| Manda's Triumph         | .50 3.  | 25.    |
| Philadelphia Rambler    | .50 3.  | 25.    |
| Pink Rambler            | .50 3.  | 25. 7. |
| Seven Sisters           | .50 3.  | 25. 7. |
| South Orange Perfection | .50 3.  | 25.    |
| Sweetheart              | .50 3.  | 25.    |
| Tausendschon            | .50 3.  | 30.    |
| Tennessee Belle         | .50 3.  | 25. 7. |
| Universal Favorite      | .50 3.  | 25.    |
| White D. Perkins        | .2. 15. |        |
| Wichuriana              | .50 3.  | 25.    |

**Miscellaneous**

|                             |        |         |
|-----------------------------|--------|---------|
| Aennchen Mueller            | .50 3. | 25.     |
| Catherine Zeimet            | .50 3½ | 30.     |
| Clothilde Souper            | .50 3. | 25. 10. |
| Gruss an Tepitz (V. R. Cox) | .50 3. | 27½     |
| Henri Martin (Red Moss)     | .75 4½ | 40.     |
| Louis Philippe              | .50 3. | 25.     |
| Mousseline (White Moss)     | .75 4½ | 40. 10. |
| Mrs. Degraw (Bourbon)       | .50 3. | 27½ 8.  |
| Queen's Scarlet             | .50 3. | 25.     |

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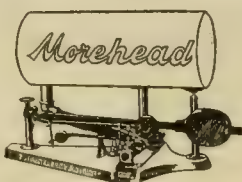
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Alyssum, 2¼-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

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Antirrhinums, snapdragons, from seed bed, 1c each; 2¼-in., \$2 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

## ASPARAGUS.

Asparagus plumosus, 2¼-in., \$3 per 100; Sprengerii, 2¼-in., \$2 per 100; 3-in., \$5; 4-in., \$10. Mosbaek Greenhouse Co., Onarga, Ill.

Asparagus plumosus nanus, from 3-in. pots, \$5 per 100; \$45 per 1,000. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

Asparagus Sprengerii, seedlings, \$1 per 100; \$7 per 1,000; 2¼-in., \$2 Plumosus, 2¼-in., \$2. Jos. H. Cunningham, Delaware, O.

Asparagus Sprengerii, 3-in., \$5 per 100. Plumosus, 2-in., \$3; 3-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus, 2-yr. clumps, 15c; 2-in. pots, \$2.25 per 100; \$20 per 1,000. W. W. Coles Kokomo, Ind.

Asparagus Sprengerii, 2-in., \$2 per 100; 2½-in., \$3. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Asparagus plumosus, rose pots, \$25 per 1,000. Sprengerii, \$15 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus Sprengerii, 3-in., \$5 per 100; robustus, 3-in., \$5. West End Greenhouses, Lincoln, Ill.

Asparagus plumosus, 4-in., extra fine large plants, \$8 per 100. Scharff Bros., Van Wert, Ohio.

Asparagus Sprengerii, 2¼-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Asparagus Sprengerii, 3-in., \$4 per 100. Pochmann Bros. Co., Morton Grove, Ill.

## ASTERS.

Aster Seed. Lady Roosevelt, gorgeous pink, longest stems of any known aster, late branching, ¼ oz., 25c. Order today and get my special aster plant catalogue. Plants by mail or express, ready by May 10. John S. Weaver, Glen Mawr Seed Farms, Box E, Kinzers, Pa.

Asters, Queen of the Market, Vick's New Upright, Imperial, Purity and Daybreak, Non Lateral Branching, in pink, white, light rose, blue, lavender and crimson, 2-in., \$2 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Asters, Vick's early and late branching, 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Asters from flats, \$1.50 per 100; 2½-in., \$2.50. Geo. A. Kuhl, Pekin, Ill.

Asters, white, \$3 per 1,000. Byer Bros., Chambersburg, Pa.

## AUCUBAS.

Aucubas. Bobbink & Atkins, Rutherford, N. J.

## AZALEAS.

Azaleas. Jacs Smits, Naarden, Holland.

## BAY TREES

Bay trees. For prices and sizes, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bay trees. Winterson's, 45 Wabash Ave., Chicago.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

## BEDDING PLANTS.

Bedding plants. Cannas, 4-in., \$8 per 100. English ivy, 4-in., \$10. Begonia Erfordi, 4-in., \$8; Vernon, 4-in., \$7. Lemon Verbenas, 4-in., \$7. Scarlet Sage, 4-in., \$7. Ageratum, 4-in., \$7. Fuchsias, 4-in., \$7. Dbl. petunias, 4-in., \$7. Lantanas, 4-in., \$7. Primula obconica, 5-in., \$2 per doz. Dracena indivisa, 5 and 5½-in., 25c each. Begonia Flambeau, 6-in., 25c. Plants 2½ and 3-in.: Verbenas, phlox, cosmos, coleus, petunias, sweet alyssum, tradescantia, thunbergia, lobelia, cornflowers, Centaurea Gym., Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Bedding plants, 200,000 finest spaced plants. Geraniums in bud and bloom, Nutt. D. Grant, Buchner, Poitevine. Lemon Verbena, heliotrope, in bloom. Cannas, Vinca Var., rose geranium, strong 4-in., \$5 per 100. 30,000 Salvias, 3 and 4-in., in bloom, \$3; and \$4 per 100. Ageratum, blue, Mme. Salleroi geranium, M. Verbenas, stocky, 3-in., \$2.50 per 100. Petunias, Dreer's Superb Single fringed, 4 to 10 shoots, in bloom, \$3 per 100. 30,000 Coleus, strong, 2-in., \$1.50 per 100; \$14 per 1,000. Cash. Wm. S. Herzog, Morris Plains, N. J.

Bedding plants, 2½-in., \$3 per 100. Achyranthes, lobelias, parlor ivy, Vinca var. ageratum, coleus, alyssum, golden feather, impatiens, Swainsona alba, alternantheras, petunias. Stock from 3-in., \$4 per 100. Geraniums, rose and nutmeg; lantanas, feverfew, ivy, hardy and English; honeysuckles, woodbine and Halleana, 4-in., \$1.50 per doz. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

## BEGONIAS.

Begonia Gloire de Lorraine and Agatha, \$15 per 100; \$140 per 1,000. Turnford Hall, \$20 per 100. Pres. Taft, \$20 per 100. J. A. Peterson, Westwood, Cincinnati, O.

Begonia Lorraine and Agatha, 2½-in., twice transplanted, \$12 per 100; in 500 lots, \$50 the 500. Julius Roehrs Co., Rutherford, N. J.

Rex begonias, 2-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

## BOUVDIARIS.

Bouvardia, white and pink, 2,000 strong plants 2½-in., in pots, \$4 per 100. Order early. Butz Bros., New Castle, Pa.

## BOXWOOD.

Box trees. For prices and sizes, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

Box trees. Winterson's, 45 Wabash Ave., Chicago.

Box trees, all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

## BULBS.

Bulbs, Caladium esculentum, 5-7 ins., 35c per doz.; \$2 per 100; \$17 per 1,000; 7-9 ins., 60c per doz.; \$3.50 per 100; \$30 per 1,000; 12 ins. and up, \$1.75 per doz.; \$14 per 1,000. Gladiolus, America, \$3.50 per 100; \$30 per 1,000. Mme. Monneret, \$2.25 per 100; \$20 per 1,000. Vaughan's Florist mixture, \$1.75 per 100; \$15 per 1,000. Vaughan's Seed Store, Chicago and New York.

Gladiolus Alice Carey, the best white in cultivation, No. 1 bulbs, \$5 per 100; \$40 per 1,000. America, No. 1, \$4 per 100; \$30 per 1,000. Golden Nugget, best bright yellow, \$1.50 per doz.; \$10 per 100. Princeps, \$1.25 per doz.; \$8 per 100. List free. E. Y. Teas Co., Centerville, Ind.

Bulbs, Lillium auratum, 8-9 in., 13 to case, \$4.50 per case. L. speciosum album, 8-9 in., 220 to case, \$13 per case. Cycas stems, ¾ lb., 300 lbs. to case, \$16.50 per case. Yokohama Nursery Co., Ltd., 31 Barclay St., New York.

Bulbs, White Roman hyacinths, Narcissus, Paper White, grandiflora and Trumpet Major Freesia refracta alba, etc. Alphonse Roche, Orléans (var.) France.

Bulbs, Gladiolus, Brencleyensis, May, Ceres, Isaac Buchanan, Pactoil, La Marck, Cinnamon vines, lilies, iris, oxalis, E. S. Miller, Wading River, L. I., N. Y.

Bulbs, Lillium longiflorum multi., 7-9, \$50 per 1,000. Giganteum, 7-9, \$65. Formosum, 7-9, \$65. Puds. 76 Barclay St., New York.

Bulbs, Harrisii and Formosum lilies, hyacinths, Paper White narcissus, J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, tuberoses, dwarf Pearl, \$1 per 100; \$7.50 per 1,000. Weeber & Don, 114 Chambers St., New York.

Chinese sacred lilies, \$3 per 100; \$25 per 1,000. Dingee & Conard Co., West Grove, Pa.

Bulbs, all florists' varieties. H. E. Fiske Seed Co., Faneuil Hall Square, Boston.

Bulbs, Japanese. The Nippon Engel Kaisha, Ltd., Ikeda, Settsu, Japan.

Bulbs, Callas. Berrydale Exp. Gardens, Holland, Mich.

Bulbs. Winterson's, 45 Wabash Ave., Chicago.

## CANNAS.

CANNAS, pot plants, extra fine, M. Berat, Sec'y Chabanne, Cinnabar, Paul Marquant, \$3.50 per 100; Pres. Cleveland, Chas. Henderson, Mrs. Kate Gray, Pennsylvania, Egan-dale, Mrs. Geo. Strohlein, \$4.50 per 100 David Harum, Pres. Viger, Louisiana, Cherokee, Rubin, \$5 per 100. Wagner Park Conservatories, Sidney, O.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It



Cannas, King Humbert, Chas. Henderson, Ex Crampbell, Mme. Crozy, A. Bouvier, Mlle. Berat, F. Vaughan, Souv. de A. Crozy, W. C. Becker, 103 Federal St., Northside, Pittsburg, Pa.

Cannas, Jean Tissot, Pres. Myers, Pennsylvania, Buttercup, Louisiana, Egandale, Florence Vaughan, Alph. Bouvier, 3-in., 75c per doz.; \$3 per 100; \$25 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Cannas, good assortment of fine bulbs. Write if interested. Mosbaek Greenhouse Co., Onarga, Ill.

Cannas, 3-in., \$5; 4-in., \$10. King Humbert, 3-in., \$8; 4-in., \$12.50. Geo. A. Kuhl, Pekin, Ill.

Cannas, Allemania, Pennsylvania, Kate Gray, \$2.50 per 100. West End Greenhouses, Lincoln, Ill.

Cannas, 10 vars., 3½-in., \$4 per 100. Jos. H. Cunningham, Delaware, O.

## CACTI.

Cacti. Over 100 varieties of cacti, from \$7 per 100 up. Write for 28-page catalogue, and prices to the trade. Also Mexican Resurrection plants. The Francis E. Lester Company, Dept. L. S., Mesilla Park, N. M.

## CARNATIONS.

Carnations, White Enchantress, \$3 per 100; \$25 per 1,000. Rose Pink Enchantress, \$2.50 per 100; \$20 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, R. C. \$2 per 100. Elbon, Boston Market Napoleon III, 2½-in., \$3 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

Carnation Scarlet Glow, 2-in., \$12 per 100; \$100 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, Conquest, Sangamo, Mary Tolman, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., Joliet, Ill.

Carnations, Wood Bros., Fishkill, N. Y.

## CENTAUREAS.

Centaura Gym., 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

## CHRYSANTHEMUMS.

CHRYSANTHEMUMS, R. C. Ready Now.

|                       |                      |
|-----------------------|----------------------|
| White, Per 100        | Pink, Per 100        |
| Oct. Frost.....\$2.00 | Pink Ivory... 2.00   |
| Estelle..... 2.00     | Rosiere..... 2.00    |
| W. Bonaffon... 2.00   | Dr. Enguehard, 2.00  |
| Polly Rose..... 2.00  | Yellow, Per 100      |
| Robinson..... 2.00    | M. Bonaffon... 2.00  |
| W. Chadwick... 3.00   | Monrovia.....\$2.00  |
| Merry Xmas... 2.00    | Robt. Halliday, 2.50 |
| Yanoma..... 2.00      | Golden Beauty, 2.50  |
| Mrs. Buckbee... 2.50  | Golden Glow, 3.00    |
| Snow Queen... 2.50    | Red, Per 100         |
| White Ivory... 2.00   | Intensity.....\$2.00 |
| C. Touset.....2.00    | Black Hawk... 2.00   |

WIETOR BROS. Chicago, 51 Wabash Ave.

Chrysanthemums, Oct. Frost, Kalb, Touset, Byron, Wanamaker, W. Cloud, Nonin, Balfour, Enguehard, G. Glow, Monrovia, Oct. Sunshine, Appleton, Halliday, Bonaffon, \$2 per 100; \$15 per 1,000. V. Poehlmann, 5. Eaton W. Chadwick Y. Eaton, \$2.50 per 100; \$20 per 1,000. Golden Chadwick, \$3 per 100; \$25 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

THE BIG LEADERS. Pres. Taft (glistening curly white); Gloria (the Enchantress); Mrs. W. E. Kelley (yellow); also the Xmas dollar makers, J. Rosette and Golden Chadwick, plants, \$4; R. C., \$3. Frost, Early Snow, Touset, E. May, Nonin, Shaw, Enguehard, plants, \$2.50; R. C., \$1.50. Prime stock, guaranteed. Cash only. The Union City Greenhouses, Union City, Pa.

Chrysanthemums, Golden Glow, Poehlmann, Desjardins, Pacific Supreme, Roosevelt, Nonin, Estelle, Monrovia, etc., 20 best varieties, strong, rooted cuttings, \$1 per 100; list. Edward Wallis, Atco, N. J.

Gloria, 100, \$2.50; Pres. Taft, Mrs. W. E. Kelly, 100, \$3; Golden Glow, Pacific Supreme, White Cloud, 100, \$1.25; R. C. prepaid Gloria, 2½-in., \$3. Chas. Frost, Kentworth, N. J.

Chrysanthemums, Dolly Dimple, Patty, Merry Jane, \$1.50 per doz.; \$10 per 100. F. Dorner & Sons Co., La Fayette, Ind.

Chrysanthemums. We have 75 varieties, including singles and pompons, \$15 per 1,000. "Enough Seed." Ehmann's, Corfu, N. Y.

Chrysanthemum Helen Frick, 2½-in., \$10 per 100; rooted cuttings, \$8; unrooted, \$5. Henry Elchholz, Waynesboro, Pa.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

Chrysanthemums. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Hardy chrysanthemums, 2-in., \$2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Chrysanthemums. For varieties and prices see advertisement on page 786. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, R. C., \$1.50 to \$2.50; 2-in., \$2.50 to \$3.50. G. A. Kuhl, Pekin, Ill.

Chrysanthemum novelties, Charles H. Totty, Madison, N. J.

Chrysanthemums. A. N. Pierson, Inc., Cromwell, Conn.

## CINERARIAS.

Cineraria, Marlitta Can., 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Cinerarias, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

## CLEMATIS.

Clematis, 2-yr., Jackman, Henry, Mme. Veillard, \$3 per doz. Paniculata, \$10 per 100; 3-in., \$5 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

Clematis paniculata, field-grown, 1-yr., 5c; 2-yr., 8c. Dingee & Conard Co., W. Grove Pa.

## COLEUSES.

Coleus, Golden Bedder and Verschaffelti, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Coleus, Verschaffelti, Golden Bedder, 10 other varieties, 3-in., \$3 per 100. G. Schlegel, Olney, Ill.

Coleus, R. C., 60c; \$5 per 1,000, 6 to 10 varieties. Geo. A. Kuhl, Pekin, Ill.

Coleus, 2½-in., \$2 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Coleus, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Coleus, 10 var., 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus, R. C., 50c; 2½-in., \$2.50; 3-in., \$3.50. The Swan Floral Co., Lima, O.

Coleus from sand, \$6 per 1,000. E. G. Hill Co., Richmond, Ind.

Coleus, J. L. Dillon, Bloomshurg, Pa.

## CYCLAMENS.

Cyclamens, finest stock, in separate colors, 3½-in. pots, \$10 per 100. Julius Boehrs Co., Rutherford, N. J.

## DAHLIAS.

Dahlias, six novelties of special merit, Corona, Charles Clayton, W. K. Jewett, Manlitou, Princess Yette, The Baron, other novelties and the best standard varieties. The best is the cheapest. Prices reasonable and fair dealing guaranteed. Hollyhocks and other hardy plants. Catalogue. W. W. Wilmore, Box 382, Denver, Colo.

Dahlia roots, mixed to color, \$4 per 100; \$35 per 1,000. Jack Rose, Sensation, Fringed 20th Century, Beauty, Gladys, Rose Pink Century, Big Chief, \$3.50 per doz.; \$25 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

DAHLIAS, large field-grown clumps, Black Beauty, \$3.50 per 100. Nymphaea, Earl of Pembroke, \$4.50 per 100. Mixed of best varieties, \$2.50 per 100; \$20 per 1,000. Wagner Park Conservatories, Sidney, O.

Dahlias, Black Beauty, Elegante, \$3 per 100; Arabella, Earl of Pembroke, \$4 per 100; field-grown, undivided roots. Order today. Wagner Park Conservatories, Sidney, Ohio.

Dahlias, Pape & Bergmann, Quedlinburg, Germany.

## DAISIES.

Daisies, \$2 per 1,000. J. C. Schmidt, Bristol, Pa.

## DRACENAS.

Dracena indivisa, 4-in., \$10 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

Dracena indivisa, 1-year, strong, bench grown, transplanted in Sept., \$1.50 per 100; \$12 per 1,000. Cash. E. Fryer, Johnstown, Pa.

Dracena indivisa, 5 and 6-in., 30c and 50c each. John E. Sten, Red Wing, Minn.

Dracenas, Bobbink & Atkins, Rutherford, N. J.

Dracena indivisa, 3-in., \$5 4-in., \$10 per 100. Geo. M. Emmans, Newton, N. J.

Dracena indivisa, 4-in., 10c each. Mosbaek Greenhouse Co., Onarga, Ill.

## FERNS.

### FERNS WORTH THE MONEY.

|                  | 2½-in. | 3-in.   | 4-in.   |
|------------------|--------|---------|---------|
| Bostons.....     | \$5.00 | \$10.00 | \$15.00 |
| Whitmani.....    | 7.50   | 15.00   | 25.00   |
| Amerpohl.....    | 7.50   | 15.00   | 25.00   |
| Scottii.....     | 7.50   | 15.00   | 25.00   |
| Plumosus.....    | 3.50   | 8.00    | 15.00   |
| Sprengeri.....   | 2.50   | 5.00    | 12.50   |
| Maldenhair.....  | 5.00   | 15.00   | 25.00   |
| Small ferns..... | 5.00   |         |         |

|                | 5-in.   | 6-in.   | 7-in.   | 8-in.    |
|----------------|---------|---------|---------|----------|
| Bostons.....   | \$25.00 | \$40.00 | \$60.00 | \$100.00 |
| Whitmani.....  | 50.00   | 75.00   | 100.00  | 150.00   |
| Amerpohl.....  | 50.00   | 75.00   | 100.00  | 150.00   |
| Scottii.....   | 50.00   | 75.00   | 100.00  | 150.00   |
| Plumosus.....  | 25.00   | 50.00   | 100.00  | 150.00   |
| Sprengeri..... | 25.00   | 50.00   |         |          |

Specimens, 10-in. and up, \$2.50. Ask for our other lists in season.

GEO. A. KUHLE, Wholesale Grower, Pekin, Ill.

NEPHROLEPIS PRUESSNERI. This beautiful new and fluffy fern now ready again. Strong 2½-in. plants at \$3 per doz., delivered anywhere in the United States by mail. By express (you pay the charges), \$20 per 100; \$175 per 1,000. Cash, please. J. D. Pruessner, Galveston, Texas.

### FERNS FOR FERN DISHES.

Extra strong, healthy, bushy, full-grown 2½-in. stock, guaranteed to please; assortment of 12 best varieties, \$3 per 100; \$25 per 1,000; 250 at 1,000 rate. J. F. Anderson, Fern Specialist, Short Hills, N. J.

Ferns, Elegantissima Improved, 4-in., \$3 per doz.; 6-in., \$6 per doz. Superbissima, 4-in., \$3 per doz.; 6-in., \$6; 8-in., \$12. Boston, 10-in., \$3 and \$4 each; 12-in., \$5 and \$6; larger \$7.50 to \$10. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston and Piersoni, 2½-in., 4c; 3-in., 8c each. Whitman and Elegantissima, 3-in., 10c. Mosbaek Greenhouse Co., Onarga, Ill.

Fern Nephrolepis Glatrasii, 2½-in., \$3.50 per doz.; \$25 per 100; \$200 per 1,000. George Glatras, 463 Summit Ave., W. Hoboken, N. J.

Ferns for dishes, asst., 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Fern Whitman, 2½-in., 2½c; \$25 per 1,000. John A. Davis, Springfield, O.

Ferns, Boston, 3-in., 25c each. Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns Whitman, 2½-in., \$5 per 100. Henry H. Barrows & Sons, Whitman, Mass.

## FEVERFEW.

Feverfew from seed bed, 1½c each; 2½-in., 2½c. Mosbaek Greenhouse Co., Onarga, Ill.

Feverfew 2-in., 2c. Ryer Bros., Chambersburg, Pa.

Feverfew, dbl. W. R. C., 75c per 100, prepaid. Chas. Frost, Kentworth, N. J.

## FICUS.

Ficus elastica, 22-24 ins., \$6 per doz.; \$50 per 100. Frank Oechslein, 4911 Quincy St., Chicago.

## FUCHSIAS.

Fuchsias, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

## GERANIUMS.

Geraniums, strong 2-in. stock. Heteranthe, Nutt. Jean Vieux, La Favorite, L'Aube, Hill, \$2 per 100; \$18 per 1,000. Our selection, \$17 per 1,000. Pamela, \$4 per 100. Anastasia Locadre, \$3 per 100. Red Wing, the best novelty of the season, 25c each; \$2.50 per doz. Write for geranium catalogue. F. H. DeWitt & Co., Wooster, Ohio.

Geraniums. We have a nice stock in red, white, pink and salmon in 2½, 3 and 4-in. pots. Let us know your wants in this line. Geo. A. Kuhl, Pekin, Ill.

Geraniums, 4-in. plants in bud and bloom, \$7.50 per 100; 3-in. pots, \$4.50 per 100; 2-in. pots, \$2.50 per 100. Cash with order or C. O. D. Northwestern Floral Co., Wilmette, Ill.

Geraniums, S. A. Nutt, Mme. Barney, White Swan, 4-in., \$8 per 100. Mme. Salterol, 2½-in., \$3 per 100. J. S. Hennon & Son, Wampum, Pa.

Geraniums, 8 vars., 2½-in., \$3 per 100; \$25 per 1,000; 3-in., \$4. Jos. H. Cunningham, Delaware, O.

If You Do Not Find What You Need In Our Ready Reference Department, Write Us About It.



**ROOTED GERANIUM CUTTINGS**—Select-ed stock, Nutt (dark red), Grant (bright red), Poitevine (salmon), Vialod (pink), Buchner (white), Extra nice stock for de-livery at once, \$12.50 per 1,000; \$1.50 per \$100. Cash. The W. T. Buckley Co., Spring-field, Ill.

Geraniums, fine stock, finest and best bloomers, Nutt, Grant, Ricard, La Favorite, Poitevine, Jaulin, Trego, Perkins, etc., 4-in., all in bud and bloom, \$6 per 100; \$55 per 1,000. Double Red Silver leaf, 4-in., 10c. Samuel Whitton, 84 Churchhill Ave., Utica, N. Y.

Geraniums, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Vialod, Castellane, Poitevine, Jau-lin, Ricard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$5 per 100. Mme. Sallerol, 2-in., \$3 per 100. G. M. Emmans, Newton, N. J.

Apple geranium, 2-in., \$2 per 100; 3-in., \$4. Standard varieties, 2-in., \$2 per 100; \$18.50 per 1,000; ivy leaved, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, Nutt, Beaute, Poitevine, good white, 4-in., all in bloom and bud, good plants guaranteed, \$7, \$8 per 100. G. Schlegel, Olney, Ill.

Geraniums, standard varieties, 2½-in., 3c each; \$25 per 1,000; 4-in., 10c each; \$90 per 1,000. Mme. Sallerol, 3-in., 4c; 2½-in., 2c. Mosbaek Greenhouse Co., Onarga, Ill.

Geranium, R. C., Ricard, Poitevine, S. A. Nutt, \$10 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, apple, 2-in., \$2; 3-in., \$4 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, Heteranthe, Doyle, 4-in., \$7 per 100. West End Greenhouses, Lincoln, Ill.

Sallerol, fine 2½-in., \$2 per 100. T. J. Feters, Harbor Springs, Mich.

Geraniums, 2½ to 4-in., \$2.50 to \$8 per 100. The Swan Floral Co., Lima, O.

Geraniums. See adv. on page 742. Geo. A. Kuhl, Pekin, Ill.

## GREENS.

Greens, fancy and dagger ferns, \$2.00 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large bales, \$1.25; Leucothoe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch, 50 lbs., \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, dagger and fancy ferns, \$2 per 1,000. Bronze and green galax, \$1 per 1,000; \$8.50 per 10,000. Leucothoe Sprays, \$1 per 1,000; \$7.50 per 10,000. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, southern wild smilax, Log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 33 W. 28th St., New York.

Greens, cut palmetto and cycas leaves, galax, leucothoe, ferns, mosses, etc., Kervan Co., 113 W. 28th St., New York.

## HARDY PLANTS.

Moovines, 2½-in., \$5 per 100; 3-in., \$8; 4-in., \$12. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Perennial phlox, named varieties, field-grown, \$5 and \$10 per 100. Mosbaek Green-house Co., Onarga, Ill.

Sedum spectabilis, 2½-in., right size for planting, \$4 per 100; \$30 per 1,000. Wagner Park Conservatories, Sidney, O.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

## HELIOTROPES.

Heliotope, Miss Bernice, 2½-in., \$8 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Heliotropes, blue, large plants from soil, strong transplanted stock, 75c per 100; \$5 per 1,000. Samuel Whitton, Utica, N. Y.

Heliotope, R. C., prepaid, 75c per 100. Chas. Frost, Kenilworth, N. J.

Heliotope, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

## HOLLYHOCKS.

Hollyhocks, assorted, 2½-in., 3c. Mosbaek Greenhouse Co., Onarga, Ill.

## HYDRANGEAS.

Hydrangea Otaksa, bud and bloom, 6 in., 75c and \$1 each. F. R. Pierson Co., Tarry-town-on-Hudson, N. Y.

Hydrangeas. We have about 200 fine 2½-in. that we offer at \$5 per 100. We also have quite a large lot of 4, 5 and 6-in. plants as well as a few large ones in 9 and 10-in. that should now be cut back to make sum-mer growth. All these we offer at a special bargain. If you are interested write us. Geo. A. Kuhl, Pekin, Ill.

Hydrangea Arborescens Grandiflora Alba. The true large flowering forcing variety, warranted true, 2½-in. pots, \$3 per 100; 1-year field-grown, strong, 12 to 18 inches, \$6 per 100; \$55 per 1,000. New trade list ready. Write for it today. The Good & Reese Co., The Largest Rose Growers in the World, Springfield, O.

Hydrangea Arborescens Grandiflora. We have the largest stock of strong 2-year plants in America. Plants 2 to 3 feet, \$2.50 per doz.; \$15 per 100; \$140 per 1,000. Good plants, 15 to 20 inches, \$10 per 100. List free. E. Y. Teas, Centerville, Ind.

Hydrangea Arborescens Grandiflora Alba (grown from stock obtained from The E. G. Hill Co.). Field grown 15 to 20 ins., \$7 per 100; \$65 per 1,000; a smaller size, \$5 per 100; 2½-in., \$3 per 100; \$25 per 1,000. John A. Doyle, Springfield, O.

Hydrangea, paniculata, grandis, 18 to 24 ins., 6c; 2 to 3 ft., 9c. Dingee & Conard Co., West Grove, Pa.

Hydrangea Otaksa, rooted cuttings, \$1.50 per 100. J. H. Flessner, Hamilton Ave., North Bergen, N. J.

## IVY.

Ivy, German or English, 2-in., \$2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

## JERUSALEM CHERRIES.

Solanum, Jerusalem cherries, seedlings, 1c each; 2½-in., \$5 per 100. Mosbaek Green-house Co., Onarga, Ill.

## LILACS.

Lilacs. Jacs Smits, Naarden, Holland.

## LILY OF THE VALLEY.

### To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

### From Storage.

Lily of the valley, cold storage, 250, \$3.50; per 1,000, \$13. W. C. Beckert, Northside, Pittsburg, Pa.

Lily of the valley clumps, \$2.35 per doz.; \$20 per 100. Vaughan's Seed Store, Chicago and New York.

Lily of the valley, cold storage, \$12.50 per 1,000. Buds, 76 Barclay St., New York.

## LOBELIA.

Lobelia Newport Model 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lobelia speciosa, Kathleen Mallard, Bed-ding Queen, 2½-in., \$2.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

## MOSS.

Wholesaler in Sphagnum Moss. Moss 5-bbl. bales, nice and clean extra large bales. Also Cedar Slabs, Cedar Poles and Birch Poles. Write for prices. Joseph Emmons, P. O. Box 22, Chatsworth, N. J.

## MYOSOTIS.

Myosotis, early flowering, 3-in., \$2.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

## MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Cul-ture. American Spawn Co., St. Paul, Minn.

Mushroom Spawn. Sure crop, \$8 per 100 lbs. Weber & Don, 114 Chambers St., N. Y.

## NURSERY STOCK.

Nursery stock, evergreens, shade and or-namental trees, shrubs, vines, trained dwarf and standard fruit trees, grape vines, small fruits. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, ever-greens, funkias, Japan maples, hydrangeas. Jac Smits, Ltd., Naarden, Holland.

Nursery stock, conifers, boxwoods, azaleas, rhododendrons, forest and fruit trees, hedge plants, etc. S. A. Vosters & Sons, Riel, Hol-land.

Nursery stock. Clematis, ampelopsis, tree hydrangeas, lilacs, shrubs, vines and per-en-nials. Jackson & Perkins, Newark, N. Y.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock arbor vitae (Thuya occi-dentalis), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Viburnum plicatum, 2 to 3 ft., 12c. Dingee & Conard Co., West Grove, Pa.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

## ORCHIDS.

Orchids importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchid peat, rotted azalea peat, leaf mold, live or baked sphagnum moss. C. W. Brown-nell Co., Walden, N. Y.

Orchids, Cattleya Trianae, labiata, Warneri, Dendrobiums, Oncidium V. Rogersii, G. L. Freeman Co., Fall River, Mass.

Orchids, all commercial, cattleyas and novelties. Carillo & Baldwin, Secaucus, N. J.

Orchids. Largest stock in the country. Julius Roehrs Co., Rutherford, N. J.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

## PALMS.

Palms, Kentia Fors., 6 to 7-in., 40 to 50 ins., \$2 to \$3 each. Kentia Bel., 4-in., 20c; 3-in., 10c each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Kentias, in 2½-in. pots, \$8 per 100; \$75 per 1,000. Jackson & Perkins Co., Newark, N. Y.

Palms, Kentias. Joseph Heacock Co., Wyncote, Pa.

Palms. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Palms, Bobbink & Atkins, Rutherford, N. J.

## PANSIES.

Ready now, 250,000 fine large, fall trans-planted pansies in bud and bloom. Superb strain; the finest market strain grown. A trial order will convince you that they are the best you ever had. You need them for your particular trade. Price, \$1.25 per 100; \$10 per 1,000. Cash with order. Leonard Cousins, Jr., Concord Junction, Mass. Tele-phone 82 Concord.

50,000 field-grown pansy plants. They never saw either a cold or hot bed, strong, husky plants; beautiful blooms. They are the kind that sell and please, \$20 per 1,000. Albert A. Sawyer, Pansy Specialist, Pansy Garden, Oak Park, Ill.

Pansy plants, Kenilworth strain, 100, pre-paid, \$1; by express, 1,000, \$8; extra large, 1,000, \$15. Chas. Frost, Kenilworth, N. J.

Pansies, fine strong plants, \$5 per 1,000. Mosbaek Greenhouse Co., Onarga, Ill.

Pansies, \$2 per 1,000. Byer Bros., Cham-bersburg, Pa.

Pansies, \$2 per 1,000. J. C. Schmidt, Bristol, Pa.

## PEONIES.

Peonies, all vars., Jacs Smits, Ltd., Naar-den, Holland.

Peonies, leading vars., W. & T. Smith Co., Geneva, N. Y.

Peonies only by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

Peonies, a superb collection. Jackson & Perkins Co., Newark, N. Y.

## PEPPERS.

Celestial peppers, 2½-in., \$2 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

## PETUNIAS.

Petunias, dbl. mixed or Dreer's single, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Petunias, dbl., seedlings, \$2.50 per 100. Jos. H. Cunningham, Delaware, O.

Petunias, 2½-in., 3c; 3-in., 5c. The Swan Floral Co., Lima, O.

Petunias, 2-in., 2c. Byer Bros., Chambers-burg, Pa.

## PRIMULAS.

Primula obconica, gigantea, rosea. The bright color for the holiday trade, very strong stock, 2½-in., \$2.50 per 100, cash. These will be good money makers. Free-port Floral Co., Freeport, Ill.

Primula obconica, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

## RHODODENDRONS.

Rhododendrons. Jacs Smits, Ltd., Naar-den, Holland.

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**RHODODENDRON CATAWBIENSE.** The best of all, 12 to 20 buds, \$75 per 100; 25 to 35 buds, \$12 per doz.; larger specimens, \$15 per doz. Wagner Park Conservatories, Sidney, O.

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Resurrection Plants.—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis E. Lester Company, Dept. L. S., Mesilla Park, N. M.

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**ROSES, 2½-inch:** Francis E. Willard, Mrs. Ben R. Cant, Burbank, Kaiserin, White LaFrance, M. Niel, Gruss an Teplitz, Souv. de Pierre Notting, Tausendschon, Philadelphia Rambler, White Baby Rambler, \$3 per 100; \$25 per 1,000. **VEILCHENBLAU**, the greatest novelty; color violet blue; extra heavy 2-year stock, 90c each; \$10 per doz. Wagner Park Conservatories, Sidney, O.

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|                    |     |       |
|--------------------|-----|-------|
|                    | 100 | 1,000 |
| Kaiserin .....     | 4   | 35    |
| Mrs. Jardine ..... | 4   | 35    |
| Richmond .....     | 3   | 25    |

#### WIETOR BROS.

51 Wabash Ave. Chicago.

Roses, strong, clean stock, own root, Brides, Bridesmaids, Chateauf, Golden Gate, Pink Killarney and Kaiserin, 3½-in., \$6 per 100. Grafted Pink Killarney, \$12 per 100. F. R. Quinlan, Syracuse, N. Y.

Tea Roses. If you want any in 4-in. for July delivery, we shall be glad to send you samples and name price on same. Geo. A. Kuhl, Pekin, Ill.

Roses, Bride, Maid, Golden Gate, 3-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

Roses, Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

Roses, Bridesmaid, 2-in., 2½c. W. W. Coles, Kokomo, Ind.

New Rambler (violet blue). Ellwanger & Barry, Rochester, N. Y.

Roses, leading varieties. Leedle Floral Co., Springfield, O.

Roses, 3-in., Wood Bros., Fishkill, N. Y.

Roses. For prices and varieties see advertisement elsewhere in this issue. E. G. Hill Co., Richmond, Ind.

Roses, on own roots, budded, bedding, H. P. S. hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

### ROOTED CUTTINGS.

Rooted Cuttings, prepaid; Coleus, 10 kinds, 60c per 100; \$5 per 1,000. Heliotrope, \$1. Paris daisy, yellow and white, \$1. Cuphea, 75c. Vinca, var., 90c. Alternanthera, 3 kinds, 50c per 100; \$4.50 per 1,000. Ageratum, 3 kinds, 60c. Swainsona alba, \$1. Dbl. petunias, 10 kinds, \$1. Byer Bros., Chambersburg, Pa.

### SALVIAS.

Salvia Bonfire, strong, 2-in. plants from seed, ready to shift, \$1.75 per 100; \$17 per 1,000 cash. This is fine stock, must move it to get room. N. E. Beck, Massillon, O.

Salvia Bonfire and Zurich, 2-in., \$2 per 100; \$17.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Salvia, Zurich, Bonfire and Splendens, 2½-in., \$2.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Salvia, Bonfire, 2½-in., strong plants, 3c each. G. Schlegel, Olney, Ill.

Salvia Zurich, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

### SEEDS.

Seeds, Asparagus plumosus nanus, 100 seeds, 60c; 250, \$1.25; 1,000, \$4. Sprenger, 100 seeds, 15c; 250, 25c; 1,000, 75c; 5,000, \$3.25. Vaughan's Seed Store, Chi. & N. Y. Seeds, onion, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seeds, asters, mignonette, Begonia Vernon, Cineraria, Primula Chinesis, Obconica, Salvia Bonfire and Splendens, Verbenas, Cyclamen and Pansy. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

**HYBRID GERBERAS** (Adnet's strain). Crop, 1910. \$9 per 1,000 seeds; \$60 per 10,000 seeds, from the originator. Cash. Adnet, Antibes, France.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett R. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

The Best Seeds for Dealers, Truckers, Plant Growers. Get price list from Francis Brill, Grower, Hempstead, N. Y.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, Phoenix Roebeleni. Sander, T. Mellstrom, Representative, 235 Broadway, New York.

Seeds, turnips: Seven-Top, Dixie, Frost King, Prize Taker. D. Landreth Seed Co., Bristol, Pa.

Seeds, specialties. Stocks, pansies, cyclamens, etc. Pape & Bergmann, Quedlinburg, Germany.

Seeds, Bermuda onion. Federico C. Varela, Teneriffe, Canary Islands.

Seeds, asters, Vick & Hill, Box 4613, Rochester, N. Y.

Seed, pansy, 1,000 seeds, 25c; 1 oz., \$2.25. H. Wrede, Luneburg, Germany.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds. Landreth Seed Establishment. Bloomsdale Farms, Bristol, Pa.

Seeds, Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds, Stokes' standards, 219 Market St., Philadelphia.

Seeds of all kinds. H. E. Fiske Seed Co., Boston.

Seeds of all kinds. Winterson's, 45 Wabash Ave., Chicago.

#### Contract Growers.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon; sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohmert, Gilroy, Calif.

Seeds, Cauliflower and cabbage. Hjalmar Hartman & Co., 31 Barclay St. New York, and 12 Stormgade, Copenhagen.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Mette, Quedlinburg, Germany.

Seeds, growers for the wholesale trade only. Braslan Seed Growers' Co., San Jose, Calif.

Seeds, field, garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, sweet peas. Anton Zvolanek, Boundbrook, N. J.

### SMILAX.

Smilax, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax, 2½-in. \$3 per 100. West End Greenhouses, Lincoln, Ill.

Smilax. Wood Bros., Fishkill, N. Y.

### SPIREAS.

Spiraea. J. Smits, Ltd., Naarden, Holland.

### STEVIA.

Stevia, R. C., prepaid, 75c per 100. Chas. Frost, Kenilworth, N. J.

Stevia, 2½-in., \$4 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

### STOVE PLANTS.

Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

### SWAINSONA.

Swainsona alba, 2-in., \$2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

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| VEGETABLE PLANTS.                    |  | Per 1,000 |
|--------------------------------------|--|-----------|
| Cabbage, Danish Ballhead—            |  |           |
| Seedlings .....                      |  | \$ 1.25   |
| " Transplanted .....                 |  | 4.00      |
| Cauliflower, seedlings .....         |  | 4.00      |
| " Transplanted .....                 |  | 5.00      |
| Celery, seedlings .....              |  | 1.25      |
| " Transplanted .....                 |  | 3.50      |
| Egg Plants, seedlings .....          |  | 3.00      |
| " Pot plants .....                   |  | 25.00     |
| Peppers, seedlings .....             |  | 3.00      |
| " Pot plants .....                   |  | 25.00     |
| Tomato, seedlings .....              |  | 2.00      |
| " Pot plants, per 100 .....          |  | 4.00      |
| Mosbaek Greenhouse Co., Onarga, Ill. |  |           |

Tomato plants, all the best sorts from seed bed, \$2 per 1,000; transplanted, \$3 per 1,000. Cauliflower, Erfurt, large from seed bed, \$2 per 1,000; transplanted, \$3 per 1,000. Cash. E. Fryer, Johnstown, Pa.

Vegetable plants, cabbage and tomatoes, leading varieties, \$1.25 per 1,000. Sweet potato, \$1.50 per 1,000. S. J. McMichael, 142 Larkins St., Findlay, O.

Strong asparagus plants, Columbian Mammoth White, 75c per 100; \$4 per 1,000. The River Falls Floral Co., River Falls, Wis.

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Verbenas, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

40,000 Verbenas plants in bud and bloom, \$20 per 1,000. Coleus plants at same price. J. L. Dillon, Bloomsburg, Pa.

Verbenas, assorted, 2½-in., \$2 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Lemon verbenas, R. C., prepaid, 75c per 100. Chas. Frost, Kenilworth, N. J.

Verbenas, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Verbenas. J. L. Dillon, Bloomsburg, Pa.

### VINCAS.

Vinca minor, the hardy vinca for cemetery planting and under trees, where grass will not grow; well rooted layers, \$1.50 per 100; \$10 per 1,000. E. Y. Teas, Centerville, Ind.

Vinca variegata, extra strong stock well set with leads, ready for shift, 2½-in., \$2.25 per 100; \$20 per 1,000; 3-in., \$5 per 100. Cash. Freeport Floral Co., Freeport, Ill.

Two-year-old, long Vinca vines, established in 4-in. pots, green, 8c; Variegated, 10c. Cash with order. B. F. Hensley, Knightstown, Ind.

Vinca variegata, 2½-in., \$2.50 per 100; 4-in., 12c each; 5-in., 20c. Mosbaek Greenhouse Co., Onarga, Ill.

Vinca variegata, 3, 4 and 5-in., 6c, 8c, 10c, 12c each; good plants guaranteed. G. Schlegel, Olney, Ill.

Vinca var., 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Vinca variegata, 4-in., \$8 per 100. J. S. Hennon & Son, Wampum, Pa.

Vinca, 2½, 3 and 4-in., \$3, \$5 and \$9 per 100. West End Greenhouses, Lincoln, Ill.

Vincas, 2½, 3 and 4-in., \$2.50, \$4 and \$8 per 100. The Swan Floral Co., Lima, O.

Vinca minor, field-grown, \$4 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

### VIOLETS.

VIOLETS, Baronne A. de Rothschild is making good everywhere, as the most free and most fragrant single in cultivation. Size and stem equal to Princess, color a shade darker. Rooted runners or divisions, ready in April. Book your order now, at \$6 per 100; \$50 per 1,000. F. W. Fletcher Co., Auburndale, Mass.

Marie Louise Violet plants, first quality stock, \$2 per 100; \$15 per 1,000. Swanley White, extra quality stock, \$2.50 per 100. Ready for shipment. Cash with order. J. Vonder Linden, Rhinebeck, N. Y.

Baronne Rothschild Violets, 2½-in., \$5 per 100. Cash with order.

GEORGE CORBETT, College Hill, Sta. K., Cincinnati, O.

Violets, Princess of Wales, clean divisions, ready now for delivery. Cash with order, \$5 per 100; \$40 per 1,000. Kenwood Greenhouses, Tenafly, N. J.

Violets. Wood Bros., Fishkill, N. Y.

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Clara cemetery vases, 12 ins., \$2.50 per doz.; barrel of 3 doz., \$6. Vaughan's Seed Store, Chicago and New York.

Superior Carnation staple, 50c per 1,000, postpaid. L. J. Waite, 293 Main St., Springfield, Mass.

Plant bed cloth, waterproof sheeting, hay caps, etc. Henry Derby, 123 F. Chambers St., N. Y.

Evergreen Brand Flower Fertilizer, \$2 per can of 12 lbs. D. D. Johnson Co., 64 Wabash Ave., Chicago.

Dennison florist tags. Dennison Mfg. Co., Boston, New York, Philadelphia, Chicago, St. Louis.

Pillsbury's Carnation Staple, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

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"NUFF SED." Best red pots are made by Geo. E. Feustel, Fairport, Iowa.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

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Cane Stakes. Standard grade 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000.

Pipe stems about 6 feet per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

### WIRE HANGING BASKETS.

Wire baskets. D. U. Augspurger & Sons Co., Box 778, Peoria, Ill.

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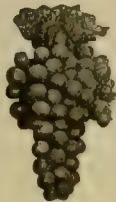


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experience.

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PLANT FOODS

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Freight paid on quantities. Write for our  
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The Ideal  
Plant Food  
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Write to  
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Pure—dry—uniform and reliable.  
The best of all manures for the  
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Absolutely the best Sheep Manure on  
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liquid top-dressing. Unequalled for all field use.  
Write for circulars and prices.

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Now is the time to make up

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For spring selling.  
We Have the Best Basket in the Market.

Try them this season.

10-in.....\$1.50 per doz.; \$12.50 per 100  
12-in..... 2.00 per doz.; 15.00 per 100  
14-in..... 3.00 per doz.; 20.00 per 100

D. U. Augspurger & Sons Co.

Box 778,

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NEW LONDON, O.—F. W. & M. E.  
Swanger report business good and ex-  
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season.

# Ammoniated Lawn Lime

Kills Weeds.

Makes Grass Grow.

Applied as a light top dressing to lawns it kills all flat leaved weeds such  
as Dandelion, Daisy, Plantain, Sorrel, Chickweed, Moss, etc., in 48 hours  
and without other fertilizer produces a wonderful, luxuriant, rich, green growth  
of lawn grass—which is distinctly noticeable 50 feet away.

The use of Ammoniated Lawn Lime supersedes hand weeding of lawns,  
putting greens, etc. It saves the grass from being pulled up and in many  
cases ruined. Grasses take a new vigorous growth, avoiding probable  
trouble in the future.

Quantities: If very weedy 1-lb. to 40 square feet, 25-lbs to 1000  
square feet, (20x50). Half to one-quarter amount  
if moderately weedy.

ABSOLUTELY GUARANTEED. Money refunded if not satisfactory.

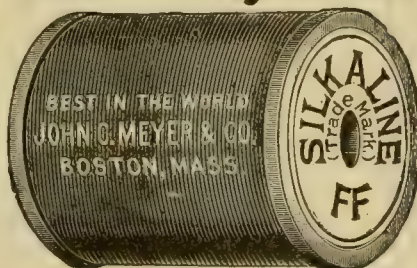
We want Seedsmen or Florists as agents and distributors in  
every important city and town.

Retail Prices: 2-lb. cans, 25c, 50 cans per case. 5-lb. cans 50c,  
20 cans per case. Bags, 25-lbs. \$2.00; 50-lbs.  
\$3.50; 100-lbs. \$6.00.

Descriptive Circular and Wholesale Prices on Request.

**SUPERIOR CHEMICAL CO.,**  
(Incorporated.)  
**Louisville. Kentucky.**

## The "Meyer Green Silkline"



is the only Green Thread that  
should be used by florists and  
growers. It is guaranteed full  
weight and full measure.

Also Violet Thread for tying up Vio-  
lets. Price of both, \$1.25 per lb.

For sale by all first-class supply  
houses. If your dealer does not  
carry it in stock, write us direct,  
giving us his name.

JOHN C. MEYER & CO., 1449 Middlesex St., Lowell, Mass.

## Evergreen Brand Flower Fertilizer.

A Pure Plant Food immediately available. It permanently enriches the  
soil. It prevents the onslaught of plant diseases or insect pests. Can be  
used at any time during the growing season, dry or in solution. Put up in  
12 pound cans, Price, \$2.00 each.

For Sale by Leading Jobbers

Further information can be obtained from

**D. D. JOHNSON CO.,** 64-6 Wabash Ave., **CHICAGO.**  
Manufacturers,

## The Mastin Automatic Whitewash and Spraying Machine Is Reliable, Practical and Durable



The tank is made of galvanized sheet steel, and in brass.  
The pump is of brass throughout, simple and powerful.  
The mixing device keeps the contents of the tank well stirred up from  
start to finish.

When the machine is filled to within six inches of the top, a few strokes  
of the pump will compress enough air in the tank to produce a continuous  
mist-like spray for 15 minutes

All parts are made to gauge and may be had for repairs.

Ask your dealer about our Extension Hose, Extension Rods,

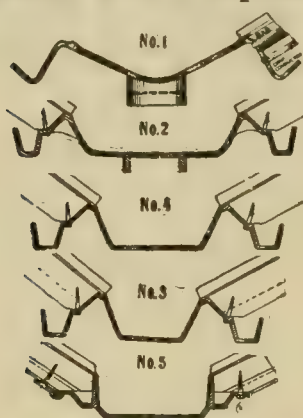
and the Mastin Whitewash Nozzle for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

**J. G. MASTIN & CO.,** 3124 West Lake St., CHICAGO, ILL.



## A Gutter With a Reputation



Ask the man who has tried them. For further particulars, write to

**GEO. M. GARLAND CO.,**  
DES PLAINES, ILL.

Mention the American Florist when writing

Write to us about

### Materials and Plans

for any size and style of

## GREENHOUSE

for new structure or repairs.

**Hot Bed Sash** In stock or any size required.

**Pecky Cypress**

for benches, lasting and least expensive.

**The Foley Mfg. Co.,**

Western Ave and 26th St. CHICAGO.

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Pasadena, Calif.

The date of the fall flower show of the Gardeners' Association will be November 3-5 and it will probably be held on the lawn of the Maryland hotel. A dinner was given May 3 by D. M. Linnard, manager of the hotel, to the leaders in the movement. Mr. Linnard suggested building a pergola inclosing a quadrangular piece of ground on his lawn to be covered with canvas in which the show could be held in a most beautiful setting. There was great enthusiasm shown, notwithstanding the spring exhibition resulted in a loss of \$200. The show was an artistic success but lack of public support was supposed to be due more to ignorance on the part of the public as to the nature of the show and it is hoped to do better at the fall show.

Myron Hunt, architect of the hotel, is taking quite an interest in the show and has offered his services in carrying out any of the details as well as a prize of \$10 for the fall show and a like amount for the coming spring show. Mayor Earley, who has always taken considerable interest in the association, suggested that special efforts be made to interest public spirited citizens and flower lovers and to induce them to offer prizes good enough to bring exhibitors from a distance as well as local ones. Plans for the future were talked over with enthusiasm and it is said that indications pointed to success and that the city with its natural advantages, should have a show equal to any in the United States. Those present as Mr. Linnard's guests were Mayor Earley, Otto Heutschey, president of



There is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

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DESIGNERS AND BUILDERS

1 MADISON AVE. NEW YORK.

## High Quality Not High Prices

Whenever we make a piece of material it is our aim to turn out the very best that can be produced; high quality is our object for nothing else will satisfy the man who wants to build a greenhouse and make a success. There can be no success without this striving after quality; without there be an effort to produce something better than was produced before. The man who believes in selling poor stock, low class goods, and gets what he can for his work, never progresses or succeeds permanently. We are working hard to make our construction more modern, to improve our patterns and our methods of manufacture, we must keep up with the times and stand at the head of the procession or drop out of the line. Prices are to be considered of course, in everything, but it's quality that counts after all. You forget the price but you don't forget the quality—

It's not what you pay but what you get for what you pay—that is economy.

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No. 4 Greenhouse Materials.

No. 5 Boilers.

No. 6 Pipe and Fittings.

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Use our patent  
Iron Bench  
Fittings and  
Roof Supports.

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IRON GUTTER.



IMPROVED VAPORIZING PANS

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VENTILATING  
APPARATUS.

the association; James Mac Gillivray, vice-president; Angus McLeod, secretary; Wm. Hutchinson, treasurer;

John Blake, P. D. Barnhart, D. W. Coolidge, W. Neil Campbell, Lon F. Chapin and C. H. Prisk.



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Every operating part right on the front—shaker handle, smoke box damper handle, cleanout doors—everything. Send for Catalog

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### Hot Water Boilers

ARE THE MOST ECONOMICAL

Boiler for Greenhouses

No Night Fireman Required  
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**SELF-FEEDING HOT WATER BOILERS.**

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## Steel Return Tubular Boilers

The Most Economical Type of Boiler for Greenhouse Heating. Highly recommended by well-known florists.

**JOHNSTON HEATING CO., 138 E. 31st St., NEW YORK.**

Washington.

Casting aside the cares and worries of everyday business life, prominent business men of the capital, with ladies enjoyed the annual banquet of the Washington Florists' Association at Rauscher's May 3. The large banquet hall was transformed into a veritable fairyland of flowers, a masterpiece of the decorative art. Green and white were used effectively in the decoration scheme, and the banquet room was a scene of floral splendor seldom equaled in this city. Ninety-five diners were present, more than half of whom were beautifully gowned women, whose presence added much to the picturesqueness of the occasion.

A pleasant surprise to Toastmaster William F. Gude came shortly after the opening of the festivities, when Fred M. Owen, in an eloquent speech, presented him a handsome silver service. The set consisted of 12 pieces and was the gift of Mr. Gude's friends in daily business life. Mr. Gude was completely overcome, and it was

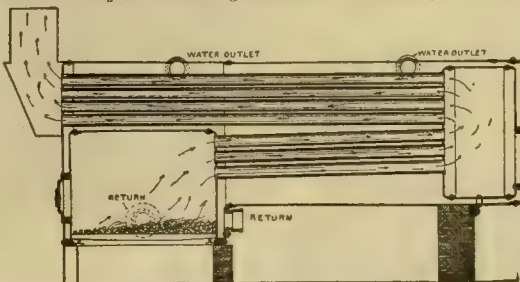
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RETURN FLUE FIRE BOX BOILER

contains more heating surface, and less water space than any other steel boiler.

$\frac{2}{3}$  of the heating surface is in the tubes.

Ask the man that knows the one using different style boilers—names are yours or the asking.



After using our boiler one season, you will say like all others: Nothing but "Superior" for me.

This boiler has given better satisfaction than any other boiler on the market

MADE IN NINE (9) SIZES FOR HOT WATER.

Send for catalogue and list of growers that are using this boiler.

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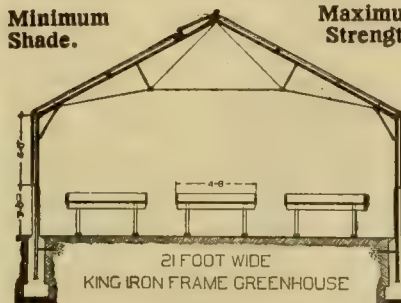
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Minimum Shade.

Maximum Strength.

### King Iron Frame.

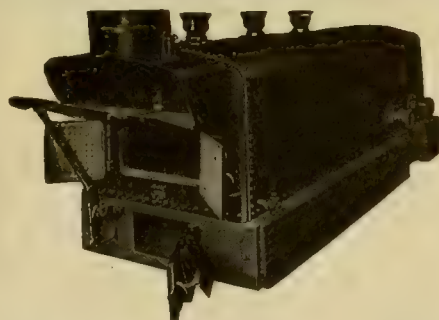
"ASK THE MAN WHO HAS ONE"



Less Expensive to Erect Than Wood.

Cochrane & McKay, Chicago, Ill., two 21 ft. by 141 ft.  
H. E. Asplin, Rocky River, O., 54 ft. by 175 ft.  
Wm. Kriegler, Lansing, Mich., 28 ft. by 100 ft.  
C. F. Maler, Denver, Colo., two 21 ft. by 100 ft.  
F. Tegerler, Denver, Colo., 25 ft. by 125 ft.  
C. Brehmer, Chillicothe, O., 42 ft. by 175 ft.  
F. Witthuhn, Cleveland, O., 30 ft. by 66 ft.  
F. F. Crump, Colorado Springs, Colo., 21 ft. by 150 ft.  
F. Holberg, Denver, Colo., three 25 ft. by 125 ft.  
Walla Walla Floral Co., Walla Walla, Wash., two 32 ft. by 100 ft.

**King Construction Co., North Tonawanda, N. Y.**



## SEE HOW WELL THEY LIKE ME

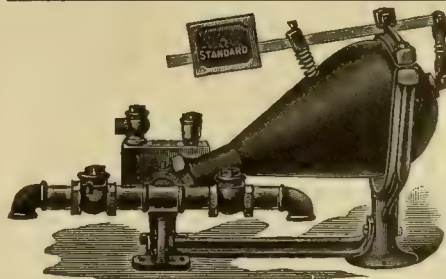
150 New Establishments with 2,158,000 square feet of glass have installed this boiler in 1906.

Ask for list of users and get acquainted with the men who know.

Catalogue and prices on application.

**KROESCHELL BROS. CO.,**

452 W. Erie St.  
CHICAGO.



## The Standard Steam Trap

Has established a record far above that of any other trap for florists; being very simple, durable and easily taken care of.

Catalogues of the Trap, Duplex Gutter, and Standard Ventilating Machinery, mailed free upon application.

**E. HIPPARD, Youngstown, O.**

some time before he could make a brief speech of thanks and appreciation to the donors. The part that flowers play in the molding of civil life and beauty furnished themes for

several brief after-dinner addresses. The committee in charge consisted of Wm. F. Gude, Geo. Cooke, E. Mayberry, W. W. Kimmell and John Robertson.



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122 W. 25th St., NEW YORK.  
**FLORIST'S SUPPLIES.**

We Manufacture all Our  
**Metal Designs, Baskets, Wire Work,**  
**and Novelties,** and are dealers in **Glass-**  
**ware, Pottery, Decorative Greens** and  
 all **Florists' Requisites.**

## A. HERRMANN,

Cape Flowers, all colors, Cycas  
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—Send For Prices—

404-412 East 34th St., NEW YORK.

## H. BAYERSDORFER & CO.



**Florists'**  
**Supplies.**

1129 Arch Street, PHILADELPHIA, PA.  
 Send for our new catalogue.

## Florists' Refrigerators

Write us for catalog and prices, stating  
 size you require, and for what kind of cut  
 flowers you wish to use the refrigerator;  
 also state whether you wish it for display  
 or only for storage.

### McCray Refrigerator Co.

169 Lake Street, KENDALLVILLE, IND.

Albany, N. Y.

As a result of the May meeting of the Florists' Club the members are planning to hold the second annual flower show in November. The matter was dealt with at some length at the meeting and President Goldring was authorized to appoint an executive committee to have charge of all the details with power to appoint sub-committees, the same as a year ago. President Goldring immediately re-appointed the old executive committee with Fred A. Danker chairman. The subject will come up again at the June meeting when it is expected that more details will be elaborated. Edward Griffin, one of the members, arose to make complaint that a number of out-of-town growers come into the city to plant trees in front of householders' residences without first securing a permit to do so from the city authorities. President Goldring appointed Mr. Griffin, Patrick Hyde and E. P. Meaney a committee to bring the matter to the attention of the city authorities. The city regulations here require that the commissioner of public works issue a permit before a tree may be planted in any of the streets. The club agreed to donate about 400 white carnations to the Mothers' club which took orders for them and will devote the proceeds to its charitable work. Secretary Danker spoke of his efforts through the local chamber of commerce to induce the government to renew the publication at the city station of the daily weather map. Secretary Jones of the chamber showed Mr. Danker about 40 communications from railroads, traction companies, merchants and large shippers in this section, all of whom had protested against the discontinuance of the map. It was decided to continue the custom, begun last year, of decorating the soldiers' monument in the Rural cemetery with a large wreath on Memorial day. A similar wreath will be placed also this year on the grave of M. Hulbert, a member of the club and a G. A. R. veteran, who died during the year. The secretary announced one proposal for member-



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A Nicotine Insecticide.  
 Sure Death to Insects.

For spraying and fumigating.

Sold on a guarantee to give  
 satisfaction.

Write us for prices and particulars

FLORIST FRIEND CO., Owensboro, Ky.

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## SPLIT CARNATIONS

Quickly and easily  
 Mended.  
 No tools required.

Pillsbury Carnation Staple  
 2000 for \$1.00 postpaid.

I. L. PILLSBURY,  
 Galesburg, Ill.  
 Windsor, Ont.

ship, R. W. Allen of Hudson, who will undoubtedly be taken in at the June meeting.

John Travison, who has been in the employ of F. A. Danker for some time, has started a small retail store on South Pearl street.

Andrew Yauch of S. Pearl street is building a new greenhouse 20 x 30 feet.

R. D.

### San Francisco.

Recently the Art Floral Co. was given the entire floral decorations for a banquet and reception given the officers of the Portuguese cruiser San Gabriel, which is visiting here. One of the most noticeable pieces made for the above affair was a small model of the cruiser made principally of Cape flowers and immortelles, the finishing or trimming work on which was done in fresh flowers and ferns. The model was taken by the officers of the cruiser and will be presented by them to the Geographical Society of Portugal when the vessel arrives there.

H. Plath has started a movement among the growers and florists of this city to purchase bonds from the committees of the Panama-Pacific International Exposition. His endeavors in this direction have already met with great success.

ARTUS.

KANSAS CITY, Mo.—The second annual exposition of the Missouri Valley Agricultural and Horticultural Society will be held at Electric park, September 24 to October 9, inclusive. The floricultural prizes aggregate \$1,186 with a silver loving cup or sweepstakes prize valued at \$50. The premium list is now being distributed.

## This Kills Mildew Every Time.

For particulars  
 write

BENJAMIN  
 DORRANCE,  
 Rose Growers,  
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# APHINE

Is proving

A Most Effective

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**Absolutely Harmless  
 Insecticide**

For use on young stock.

**It Destroys the Insects and  
 Invigorates the Plants**

Have you tried it?

**Aphine Manufacturing Co.  
 MADISON, N. J.**

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*green Flies and  
 Black ones too*

are easy to kill with

The fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back;  
 why try cheap substitutes that makers do  
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10,000, \$1.75; 50,000, \$7.50. Manufactured by

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Sample free. For sale by dealers.

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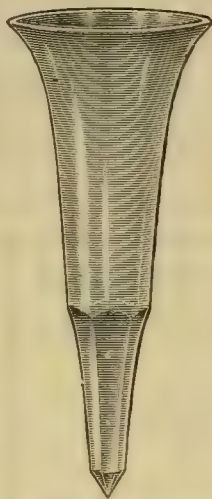
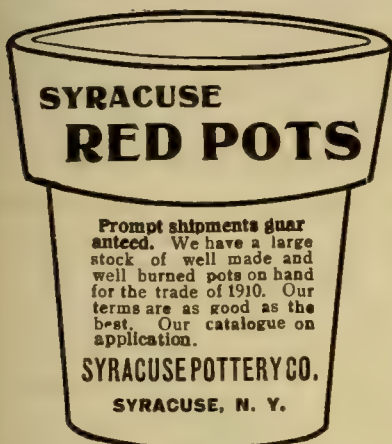
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POT MAKERS FOR 140 YEARS

WORLDS LARGEST MANUFACTURERS

WRITE FOR CATALOG AND DISCOUNTS.

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## Clara Cemetery Vase

MADE OF SOLID MOULDED GLASS

12 inches high, with wide flaring mouth.  
Can be supplied in green or white.  
Doz., \$2 50: barrel of 3 doz., \$6.00,  
f. o. b. Chicago.

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## Those Red Pots

"STANDARDS"

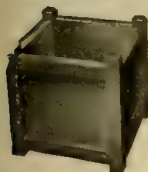
Full size and wide bottoms.

BULB PANS and AZALEA POTS

DETROIT FLOWER POT M'Y

HARRY BALSLEY, Detroit, Mich.  
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## MISSION PLANT BOXES.



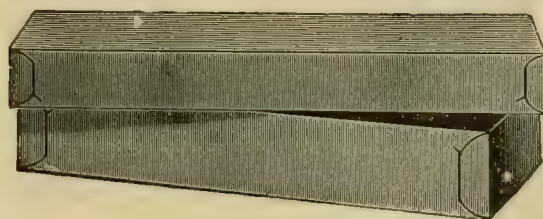
Are the best and cheapest plant boxes in the market for large plants, boxwoods, bay trees, etc. They are attractive in design strong and durable. Suitable for either outdoor or indoor use. Write for prices.

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PARK CONSERVATORIES,**  
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For sale by Wholesale Seedsmen, Florists  
and Supply Dealers.Price, \$1.00 per dozen by express. Sample  
dozen by mail, \$1.25.

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## CUT FLOWER AND Design Boxes

All sizes, lowest prices. Write

**C. C. Pollworth Co.,**  
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## Standard Flower Pots!

Packed in small crates, easy to handle

| Price per crate              | Price per crate             |
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| 1500 2-in., in crate, \$4.88 | 144 6-in., in crate, \$3.16 |
| 1500 2½ " " 5.25             | 120 7 " " 4.20              |
| 1500 2½ " " 6.00             | 60 8 " " 3.00               |
| 1000 3 " " 5.00              | 48 9-in., in crate, \$3.60  |
| 800 3½ " " 5.80              | 48 10 " " 4.80              |
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| 456 4½ " " 5.24              | 24 12 " " 4.80              |
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Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address

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## Iron Reservoir Vases



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## Lawn Settees

Manufactured by

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The largest manufacturers of these goods in America  
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Porosity and Strength  
Unsurpassed.

Write for prices.

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Before buying write for prices.

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## CUT FLOWER BOXES

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KRICK'S

## Florist Novelties

Manufacturer and Patentee of  
The Only Genuine Immortelle  
Letters on the market.  
Order at once.

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Every letter marked.

## All The Clay

FOR OUR

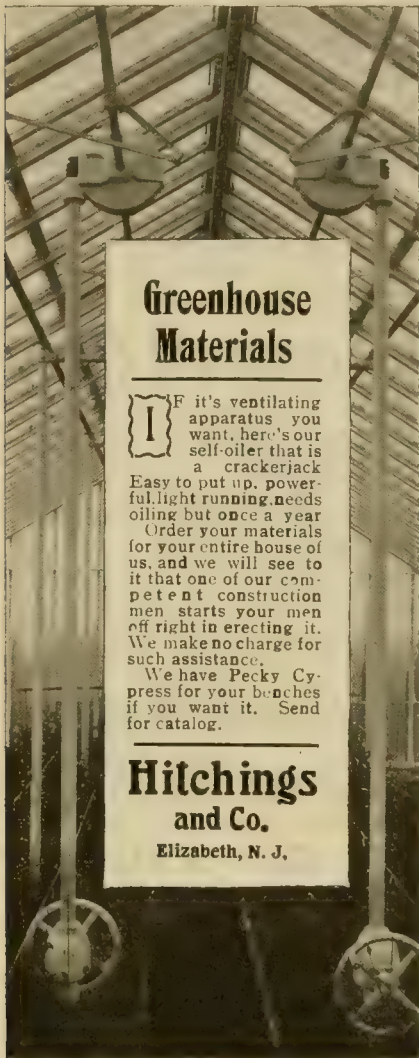
## Florists' Red Pots

Is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We ship over five lines of railroad by river or interurban. Write for catalogue showing all the articles we make for florists' use.

**THE PETERS & REED POTTERY CO.**

ZANESVILLE, OHIO.





## Greenhouse Materials

**I**F it's ventilating apparatus you want, here's our self-oiler that is a crackerjack. Easy to put up, powerful, light running, needs oiling but once a year.

Order your materials for your entire house of us, and we will see to it that one of our competent construction men starts your men off right in erecting it. We make no charge for such assistance.

We have Pecky Cypress for your benches if you want it. Send for catalog.

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A complete treatise on greenhouse structure and arrangements of the various forms and styles of plant houses, for professional florists as well as amateurs. All the best and most improved structures are clearly described. The modern and most successful methods of heating and ventilating are fully treated upon. Special chapters are devoted to houses used for the growing of one kind of plants exclusively. The construction of hotbeds and frames receives appropriate attention. Over 100 excellent illustrations. 210 pages, 5x7 inches. Cloth \$1.50.

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Quality A. No. 1. Prompt shipments.

## Hooker's Greenhouse White Paint

The most durable white paint for this purpose.

Half barrels, (25 gallons), per gal. \$1.85. 5 gal. pails, per gal. \$1.40

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WHOLESALE GLASS AND PAINTS,

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INSECTICIDE AND FUNGICIDE

For the Garden, Orchard and Greenhouse

Non-poisonous and harmless  
to vegetation.

Kills Green Fly, Aphides, Bark Lice,  
Thrips Mealy Bug, Red Spider,  
Scale, Wire Worms, Ants  
and Slugs.

This is the grower's friend. Handy to  
use, cheap and effective, mixes readily in  
water. Destroys all insect pests and  
keeps down filth. Circulars on applica-  
tion. \$1.50 per gallon. Also in  
quarts, half gallons and in bulk.

**PERFECTION CHEMICAL CO.,**  
FLUSHING, N. Y.



MASTICA is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass, as occurs with putty. Lasts longer than putty. Easy to apply.

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## Superior Crimped Invisible Carnation Staple

(PATENT APPLIED FOR.)

For repairing split carnations. 1000 for 50 cents  
Postpaid.

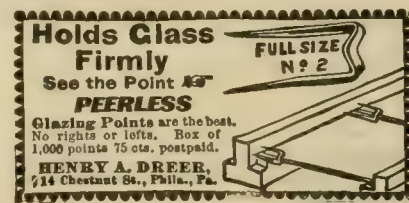
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## EAGLE WIRE WORKS

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Wire Floral Designs and Specialties.  
Catalogue Free.

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Lock the door before the horse is stolen,  
and insure your glass before it is broken.

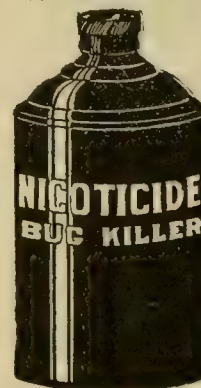
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Mention the American Florist when writing

Superior Quality.

Hand Made.

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Why not buy the best. Write us for  
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## BAUR WINDOW GLASS CO.

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**SIEBERT'S ZINC**  
Never Rust  
GLAZING POINTS  
Are positively the best. Last forever. Over  
30,000 pounds now in use. A sure preventative of  
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Easy to drive. Easy to extract. Two sizes  $\frac{3}{8}$  and  
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# THE AMERICAN FLORIST



*America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."*

Vol. XXXIV.

CHICAGO AND NEW YORK, MAY 21, 1910.

No. 1146

## THE AMERICAN FLORIST

TWENTY-FIFTH YEAR.

Copyright, 1910, by American Florist Company.  
Entered as Second-Class Matter Nov. 11, 1891,  
at the Post Office at Chicago, Illinois,  
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

**AMERICAN FLORIST COMPANY,**

324 Dearborn St., Chicago,

Long Distance Phone: Harrison 7465.

**Eastern Office:** 1133 Broadway, New York.

**Philadelphia, Pa.:** Robt. Kift, 1725 Chestnut St.

**Registered Cable Address:** Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a year; Canada, \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from the trade. Volumes half yearly from August, 1901.

Address all correspondence, subscriptions, etc., American Florist Co., 324 Dearborn St., Chicago.

### SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

**OFFICERS**—F. R. PIERSON, Tarrytown, N. Y., Pres.; FRED W. VICK, Rochester, N. Y., Vice-Pres.; H. B. DORNER, Urbana, Ill., Sec'y; WM. F. KASTING, Buffalo, N. Y., Treas. Next meeting at Rochester, N. Y., August 16-19, 1910. Second National Flower Show, Boston, Mass., March, 1911.

### CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition, in conjunction with the Morris County Gardeners' and Florists' Society, Morristown, N. J., November 2, 3 and 4, 1910. ELMER D. SMITH, Adrian, Mich., President; C. W. JOHNSON, Morgan Park, Ill., Secretary.

### THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at Boston, Mass., March, 1911. FRED. BURKE, Pittsburg, Pa., President; A. F. J. BAUR, Thirty-eighth St. and Senate Ave., Indianapolis, Ind., Secretary.

### AMERICAN PEONY SOCIETY.

Seventh annual meeting at Horticultural Hall., Boston, Mass., June 9-10, 1910. B. H. FARR, Reading, Pa., Pres.; A. H. FEWKES, Newton Highlands, Mass., Sec'y.

**Turn Your Surplus Stocks Into Cash By Advertising in the Ready Reference Department. See Page 837.**

## HALF HOUR CHAPTERS FOR FLOWER GROWERS

### Peonies.

Wherever the supports have not been fixed to peonies it must be done at once or the increasing weight of the shoots and flowers will cause a lot of breakage. When they are planted in rows, stakes driven in every 20 feet or so and a wire stretched along on each side of the rows form a simple and effective method of keeping them up. Cross strings between the plants will prevent them falling lengthwise of the rows and are necessary when the clumps are planted at a good distance apart. Hoops and stakes to each plant are sometimes employed or three stakes driven in around each clump and tied around with stout strings. Any of these methods is good and well worth while for many of the best flowers will be beaten down and ruined unless support of some kind is given. There is still time to run through the plantation again for weeds, using hand hoes and keeping away from the plants. A good mulch of semi-decayed manure is also helpful if it can be spared and will keep the soil cool and moist during the hot weather, giving better flowers and assisting the formation of good crowns for another season.

### Late Sweet Peas.

One of the worst troubles of the sweet pea grower under glass is the dropping of the earliest and best buds of a sowing. The Spencer types, being stronger in growth than the smaller, winter flowering varieties, are especially liable to this trouble, which is frequently accentuated by over watering and excessive nitrogenous manure in the soil. It is almost impossible to prevent the earliest of the sprays from falling. In fact it is little loss when they do go for it is best to get some growth into the plants before flowering much, but when the bud dropping continues higher up, and when perhaps two out of a three-flowered spray drop, leaving only one bloom to expand then it becomes a serious loss to the grower. At such times the utmost care should be taken

in the watering and, when the soil is over rich, as is too often the case, only just enough to keep the plants from flagging must be given. As soon as the flowers begin to open regularly, however, there is less danger of over watering, and the plants are comparatively safe. Shading so far this season has been hardly necessary, but there is every prospect of brighter weather now and, in order to keep the plants growing and the color in the flowers, a light shade must be put on and added to as the sun gets more power. The plants must be tied in such a way that the sun and air plays freely between them, and they do not grow into a solid mass. When they are sown in clumps two of these can be drawn together, or in any other way that may occur to the grower. This will also allow of a little spraying during bright weather though this must not be overdone at any time.

### Care of Young Stock.

The most critical time in the life of the young stock may be said to have arrived, not on account of any particular difficulty in culture, but owing to the crowded condition of everything and the amount of work that has to be put through. This frequently leads to neglect and neglect for a week now means a check that the plants will not get over for months. Carnations may be standing close, either in small pots or in flats and time cannot be found to plant them out or the soil is not ready. When they are in pots they may be spaced a little more and this will be a temporary relief while running a knife each way through the flats between the plants will serve to make the roots ramify more and check the growth slightly, which is an advantage. But it is high time now that carnations that have to go to the field were there. Those to be kept inside may, if absolutely necessary, be planted at half distance and every other plant removed when new benches are ready, but avoid this if



possible. The good prices that roses are bringing prevents many growers from throwing the old plants out, but when the decision has been made as to which are to be left and which destroyed then the sooner they are thrown out the better. June will soon be here and the benches will have to be cleared and put in order. We often see young stock in pots overrun with grass and other weeds at this time. Not only do the weeds starve the roses by robbing them of the nutriment in the soil, but insects find congenial quarters in the weeds and soon spread to the young roses. A couple of good boys or cheap help of any kind can soon clean over and give a new stand to a large number of plants and it is well worth while. Grafted stock needs especial care. If allowed to grow into each other and become interlaced the plants are very difficult to separate without breaking them out at the point of union with the manetti and only the most careful help must be entrusted with this work.

#### Asters.

The early and midseason asters are now ready for planting out and no further time must be lost in preparing the quarters for them, and getting them out. Land that was well manured in fall and has been laying rough all winter will need very little preparation. The dry weather in March and the snow and rains since have mellowed the surface and all that is necessary in most cases is to harrow this down, also using a light roller to firm it if it seems necessary. The weather is so uncertain that it is best not to prepare more ground than can be planted in a day, or at most two—less than this if storms seem imminent—as the surface once firmed down does not dry out so quickly and delays are caused. Leave good room between the plants for cleaning and cultivation. Fifteen inches apart is none too much for the medium growers and more than this for the strongest. Also leave a path at every five or six rows to give good room for getting between the beds for dis-budding and other care of the plants and cutting the flowers. Plants that were pricked out on benches will lift with good balls of roots. The benches should be well watered an hour or two before lifting the plants, and this should be carefully done, laying them in flats to carry to the field. Trowels should in all cases be used. The use of dibbers causes the roots to be crowded together in the hole, the sides of which are hardened by the passage of the dibber rendering it difficult for them to get out, while, when a trowel is used, the sides are broken down, the roots spread out and the plants given altogether a better chance. The little difference in the time necessary to carry out the work properly is not worth considering in the light of the greatly increased chances the plants have for making good. Water thoroughly as the plants are put out and cultivate lightly as soon as the surface is sufficiently dry.

OLEAN, N. Y.—D. R. Herron has just purchased a new Cadillac touring car.

## THE RETAIL TRADE

### A Floral Pillow.

SEE SUPPLEMENT WITH THIS ISSUE.

The pillow as a funeral design appears to be more popular than ever, orders coming very frequently for it. Unfortunately a very poor imitation of what this design can be made is often put up for it. Go into the cheaper parts of any of our cemeteries and see the hideous productions that are sent to funerals of people of the poorer class and see how they are made. Such things are a disgrace to the business and the worst part of it all is that as much money or more is often spent upon these things as would suffice to make a really effective piece of work if handled properly. A few common ferns and callas or lilies and a little asparagus or boxwood will be enough in the hands of a skillful designer to turn out a good though not, of course, an elaborate pillow, while in the designs mentioned dozens of white carnations will be used to form a groundwork for some chenille letters and a fringe of ferns will be set straight in line on all four sides of the frame.

It is quite time that all the heavy, stiff arrangements of solid flowers were done away with for good. There is nothing pleasing or artistic about them; they use a lot of stock and are unsatisfactory generally. A pillow to be effective should be well raised in the center and the outside edges should be broken up with ferns, lily

to be properly arranged to show these characters. If they are going to be jammed in closely in a heap then one may just as well tie a piece of figured cloth over a frame and let it go at that.

### New Store of Chas. DeClerg, Green Bay, Wis.

Chas. DeClerg, of Green Bay, Wis., reports a heavy increase in business since the opening of his new store shown in the accompanying illustration. His Easter trade was double that of last year. The store is always well stocked with plants and cut flowers, this making it very attractive at all times. In connection with the store he has about 15,000 square feet of glass and two acres of land. His greenhouses supply him with carnations, pot plants and bulbous stock. He buys his roses on the Chicago market, having a shipment every day. Mr. and Mrs. DeClerg attend to the store and have the assistance of a young lady part of the week.

ABYDOS.

### Welch Brothers, Boston, Mass.

The firm of Welch Bros. is so well known throughout the country that it is a difficult undertaking to add to what is already known; that is, that they stand second to none in the wholesale cut flower business. The business was founded by Patrick Welch, who, though yet of youthful appearance, was old enough in 1876 to go to the Centennial exposition at Philadelphia as a representative of the late Col. Edmund Wood, of Natick, Mass. In 1877 he started for himself



INTERIOR OF CHAS. DE CLERG'S STORE, GREEN BAY, WIS.

of the valley or something of a light and graceful appearance, not placed in stiff lines, but prettily undulating. Lilies or callas may be mounted and raised in the center and kept well apart so that each flower shows its full beauty. Any other flower may be similarly treated. Because roses are used there is no need to crowd them in so stiffly that one cannot see between them. The beauty of the individual flowers should be seen, not a conglomerate mass of petals without rhyme or reason. Flowers are living things with characters and need

in the wholesale business at 164 Tremont street, Boston. Later his brothers, David and Edward, became associated with him in the business and the firm has for many years been known as Welch Bros.

On October 1, 1906, they opened for business in their present store, 226 Devonshire street. Their opening at that time was a gala day among the florists of Boston, many of whom attended. There were many handsome decorations in and around the store and it was a day of congratulations from the many visitors to the brothers.





A FLORAL PILLOW.







The pace which they set at that time in opening a large store in one of the finest business localities of Boston has been steadily and consistently maintained. They handle the stock of many of the best growers of New England and the constant increase in their business is a fine tribute to their fair dealing and sound business methods. Aside from managing this great business, Patrick Welch has always found time to take an active interest in everything that pertains to the advancement of floriculture. He is a member of the Society of American Florists, the Massachusetts Horticultural Society, the American Rose Society, the American Carnation Society and a past president of the Gardeners' and Florists' Club of Boston. He is a ready and effective speaker.

At the last meeting of the American Rose Society, held in New York, he was nominated for president, but positively declined the honor on account of his time being so occupied with his business. The other two members of this noted trio, while possibly not as well known outside of their home city and state as their brother, are both men of genial temperament and possess the solid qualities required in large business affairs.

A very noteworthy feature of their business is the careful attention to detail. Employing a large number of men, each has his work and is expected to attend to it; a thorough system is enforced. Most of the cut flowers handled are sold the day they come in, but there are the most modern and up-to-date facilities for cold storage. An entire floor, 60x125 feet, is devoted to florists' supplies, of which there is a most complete stock, as it is the aim of the firm to have everything that may be called for by the retail trade.

#### Miniature Landscapes.

One of the Fifth avenue, New York, florists is showing the most fascinating centerpieces made of dwarf trees. One can buy at this shop a large or small landscape; one with a mountain and brook, or a peaceful meadow scene with habitations in the foreground. For years one could purchase potted dwarf trees, but this selling of them set in miniature landscapes is quite new. The foundation for the centerpieces are earthenware trays, some being three feet long, though all are very shallow. On these are built the landscapes, perfect in every detail, and set out with tiny cedars and shrubs.—Life.

HOUSTON, TEX.—This city will have a floral parade during No-Tsu-Oh carnival. This was omitted in last year's celebration but the public demands it this year.

MEMPHIS, TENN.—Otto Schwill & Co., are planning to build 12 or 14 new greenhouses this fall, in addition to which the old plant now operated by the Idlewild Greenhouses (the property of the former firm) will be remodeled and moved to a more desirable location. Trade with this concern has been excellent the past season, due, no doubt, to the improving conditions in the south. Messrs. Schwill & Co., are looking forward to a large increase in business next season.

## ORCHID NOTES.

THE soldier orchid, *Habenaria militaris*, is the brightest red of any orchid known.

*CATLEYA MOSSIAE* is perhaps the most variable cattleya in existence and there are hundreds of named varieties known to specialists.

As soon as the growth of *Cypripedium insigne* and *Cœlogyne cristata* is finished place them in a shady frame for the summer and allow plenty of air.

*ODONTOGLOSSUM MACULATUM* lasts perhaps longer in good condition than any other odontoglossum. We have had it last in flower for over three months.

It is impossible to keep odontoglossums of the crispum and similar sections too cool under glass from now until September. Shade heavily and damp the stages and floors freely.

#### Hardy Orchids.

There are no more beautiful plants in existence than the hardy native, orchids of North America. Hardy plant specialists in other countries go to great expense and trouble in fixing up suitable quarters to grow them and spend quite a little money on the plants, yet we have but few specialists in this country that will take the trouble to grow them. Among the most beautiful are the native cypripediums, especially the mocassin flower, *Cypripedium spectabile*. The chaste beauty of this plant is not exceeded by the finest tropical exotic and with a little care this lovely plant could be grown to perfection in almost any garden where there is a little shade. This plant grows naturally in the swamps, often in a kind of knee-deep morass of decayed moss, where it is almost impossible to reach it, but where the delicate beauty of the flowers is even finer than when growing on drier soil.

This gives a good indication of the position likely to suit it under cultivation. Planted, as we have frequently seen it, on a dry border devoted to the hardy herbaceous perennials, with no protection from the scorching heat of the summer sun or winter's cold, it is little wonder that this beautiful plant succumbs. The conditions are so obviously wrong that one wonders at anyone with the smallest idea of plant growing trying to cultivate it under such conditions. But in many gardens there are low lying swampy places where water percolates through a light, rich, peaty soil and where the sun shines only part of the day, owing to shade cast by trees or shrubs. Here is the ideal place for *Cypripedium spectabile* and a few clumps of it planted while at rest in fall or early spring will be one of the most delightful features of any garden. The soil found in such positions is usually formed of decaying vegetation, such as leaves, and is ideal for the purpose.

Where such a spot does not exist naturally it should be made by turning in some water from whatever supply is at hand, first digging out

the natural soil if unsuitable and replacing it with peat, moss and a little loam and as much well decayed leaf mould as can be procured. The water should be so arranged that it seeps slowly through the whole mass of soil and with only a sluggish outlet, just the conditions, in short, that are found in the swamps. Besides *C. spectabile* there are other species that will thrive in a slightly drier soil better than in the swamps. *C. acaule* is a pretty native species widely distributed over the northern states and Canada. It pushes up a single flowered stem from the center of the crown and the flower has an attractive lip, varying in color from rose purple to nearly pure white. *C. pubescens* is another handsome species with a yellow lip and narrow petals and *C. parviflorum* is a similar but smaller species. Both are found growing wild in the northern states. *C. candidum* has a white lip striped with purple and the sepals are greenish, a very attractive little plant. *C. Japonicum*, as its name implies, is not a native of this country, but comes from the orient. It flowers early and is often damaged by frost, but is a pretty plant with a rosy white or light pink labellum. *C. Calceolus* is the only British species and is probably almost if not quite extinct there as a wild plant, though it can be obtained from British and continental dealers. The lip is a soft, bright yellow and shows up well against the deep brown of the other segments of the flower.

While these latter species do not, as a rule, require the wet, swampy conditions in which the mocassin flower delights they will not thrive well on hot, dry borders. They must have plenty of root moisture, but the soil should be kept open by the addition of grit of some kind, coarse sand or road grit answering well for the purpose. This kind of soil does well, too, for another pretty genus of native orchids, the *habenarias*. We have gathered these plants out in the middle of a sun-baked prairie in summer, but they have never been so fine in growth or flower as when a few chance plants have been seen near a water course or in semi-shaded positions, though they are beautiful and fragrant wherever grown. *H. blephariglottis*, *H. ciliaris*, *H. fimbriata* and *H. conopsea* are pretty species, the latter a native of European countries and not found wild in the United States as far as we know. These all like a little chalk or lime in the soil.

The genus orchis also comprises a number of pretty and useful garden orchids. *O. pyramidalis* is a most attractive little plant, throwing up in May and June pretty bright red heads of flowers on erect, slender spikes. It grows in open meadows and in woodlands in England, where it is one of the commonest species in the eastern counties. It bears transplanting well, if done while at rest, and thrives in any good garden soil. *O. maculata*, *O. foliosa*, *O. latifolia* and others are all well worth growing. The most frequent mistake owners of gardens make in trying to cultivate these hardy orchids is lifting the plants



when in full flower and transferring them to the garden. They cannot stand this kind of treatment and even if an extra strong specimen gets over the severe check incidental to such rough handling it will never be as good or as vigorous as one lifted and replanted while at rest. These orchises make very suitable subjects for rockery planting if well placed. Where rockeries are made as they should be, with the stones lying in natural beds or strata as they are found, the latter conserve a good deal of moisture and, even in the driest summer

group, it is one of the finest in the genus.

#### *Cattleya Gigas.*

The flowers of *Cattleya gigas* are the largest in the genus and among the most richly colored. The *Sanderiana* types in which the lip is large and heavily marked with bright crimson are among the finest orchids in existence, yet, for some reason, they do not sell as well in the cut flower market as do those of *C. Mossiae* and *C. labiata*. *C. gigas* is a good and free grower and likes a position as

good light. The pseudobulbs usually emit quite a number of new roots after flowering and whenever any repotting is necessary this time should be taken advantage of as it re-establishes the plants in the new compost. But always endeavor to anticipate this flush of roots for if the plants are disturbed after they start they are almost sure to be injured in the process of repotting and the young growth will be checked. The ordinary compost as advised for cattleyas generally will be suitable for *C. gigas* also the same temperature.

## CHRYSANTHEMUMS

### Chrysanthemums in the South.

The space devoted to the cultivation of chrysanthemums in the south has increased rapidly in the last decade. In the cities where elaborate floral decorations in the cemeteries are used on All Saints day the chrysanthemum is the leader. In such cities they have come to be called All Saints day flowers and not a little prejudice exists against their use in any other decorative effects. Such prejudice is happily passing away, especially since the introduction of some of the finer large varieties that succeed here. It is a fact that a great many varieties will not succeed under any kind of culture and the list of really good ones suitable for the south is rather meagre. I do not mean that the plants will not grow readily enough, but the finished flower will be so inferior as not to recoup the grower for his trouble. Again on account of the numerous varieties of insects ready to prey on the opening flowers only such varieties as develop quickly after taking the bud are reasonably sure to escape their attacks.

Very early varieties have never been a success and it is a safe plan never to take a bud before September 1 or



CATTELEYA BOWRINGEANA.

weather, the roots can find cool, congenial quarters under the stones. But this is impossible in the dry "pockets" of soil formed by sticking stones upright and at all kinds of angles, filling in soil between them and calling them rockeries. But whatever way they are grown there is much that is interesting and beautiful about them and we would like to see their culture taken up with spirit.

ORCHIS.

#### *Cattleya Bowringiana.*

The flowers of *Cattleya Bowringiana* are not as large as those of the *labiata* forms but they are very freely produced during a dull season for orchids—November and December—are very brightly colored and it is altogether a fine plant. The growth is strong and free and every shoot will flower when the plant attains sufficient strength. To grow it well *C. Bowringiana* likes plenty of room in the pots. The roots are freely produced on healthy plants and will take hold of quite a considerable amount of compost. It makes its growth very rapidly and flowers on the current years bulbs so that quite a little heat is necessary. If there is any difference let *C. Bowringiana* have the warmer and lighter end of the cattleya house and water very freely when the root growth is most active. In all other respects it thrives well with the ordinary treatment given to cattleyas and, outside of the *labiata*

close to the roof glass as possible. It is rather erratic in its habits, one set of pseudobulbs being hardly finished and flowered before it begins to grow away again and these will also flower again if the plants are in a



CATTELEYA GIGAS.





#### CHRYSANTHEMUMS IN THE SOUTH.

Flowers Grown Under Shelter by Robt. Lockerbie, New Orleans, La.

the very last few days in August. Buds taken before that date either succumb to thrips or develop into sorry looking specimens. Indoor and outdoor culture are both successfully practiced. As soon as the buds begin to show color outdoors cotton cloth is stretched on light frames over the buds to protect the flowers from the heavy dews. It is claimed, and with truth, that the finish of the flowers outdoors is never so fine as those grown indoors, but if sash are used instead of cloth the difference in finish is so small as only to be discernable to an expert. The chief objection to culture entirely in the open ground is that the plants are too much at the mercy of the weather. Heavy rainfalls are liable to drown them out unless the ground is high and has good drainage. The hot sun following such rains also causes some scald; yet, despite these drawbacks, cultivation in the open is practiced successfully.

Thrips, red spider, aphid, mealy bug and corythuca are the worst insect pests, and it is only fair to state that these rarely affect the plants grown in the open. Corythuca is a dirty kind of louse which affects the under side of the leaves and a bunch of them seen through a magnifying glass resembled a flock of sheep more than anything else. They are very destructive if allowed to gain headway. Kerosene emulsion is the best remedy for these and mealy bug. Mealy bug generally puts in an appearance in August and the best we can hope to do is to hold it in check. There are so many hiding places for it that it is impossible to get rid of it entirely. For red spider syringing must be practiced until there is danger of spoiling the flowers. Some of the nicotine

solutions must be used regularly for thrips and aphid. Only the early varieties like Monrovia, Mrs. Robinson, Mrs. O. P. Bassett, Golden Gate, etc., should be grown in the open unless they can be sash covered, as the rains in November are liable to spoil the whole business. Alice Byron, Silver Wedding, Golden Wedding, Timothy Eaton, Yellow Eaton, Col. Appleton, Dr. Enguehard, Mrs. Chadwick, Golden Chadwick and Yanoma are all good, sure varieties for this section. The pink varieties, as a rule, are disappointing, the color having a very faded appearance.

WM. LEAR.

#### Flowers from October to Christmas.

ED. AMERICAN FLORIST:—

I would like a list of chrysanthemums suitable for retail trade that would give me a steady cut up to Christmas. Would like to grow mostly white and yellow, but some pink. I have Touset, Ivory, Estelle and Chadwick in white; Bonnaffon in yellow, and a few Robinson and October Frost. I do not want expensive novelties.

J. M. M.

As the question of when and what to plant interests many we have concluded to give some information unsolicited in the above inquiry. The white varieties which "J. M. M." has at hand are all good ones, and if he has the desired quantity of each, there are but a few additions to prolong the flowering season required. October Frost is the earliest, provided it is planted by May 15 and the early bud reserved, and as Polly Rose (syn. Estelle) and Ivory are to follow in line of succession, these should also be planted early, to produce flowers from

October 15 to 20. Touset and Robinson may be expected in perfection about October 25, and will continue to November 1.

We are in need of more good whites to be ready November 5 to 10, and at present the only one we can suggest is President Taft, which will be followed by W. H. Chadwick, and may be had in fine condition for Thanksgiving. Yanoma will furnish the supply from December 1 to 15, and with Mlle. Jeanne Nonin to follow the entire season will be well covered. "J. M. M." may not succeed in securing a succession of blooms as easily as we have mapped it out on paper, and for this reason we would suggest he plant the late sorts, as follows: W. H. Chadwick (plant June 20 securing bud about September 20). Yanoma and Nonin benched July 1 to 15, and securing buds October 1 to 10 should prolong the crop to Christmas.

In yellow, Golden Glow is the earliest and can be had from the end of August to the end of September by planting in succession from early May to June. Monrovia is the next to follow, but to bring this about it is important to plant early and save the first bud. Cremo is a light yellow and should not be overlooked by those who succeed with Glory of the Pacific and Polly Rose, as it is identical in every respect except color. Robert Halliday, another light yellow, should fill up the gap between Cremo and Col. D. Appleton. Major Bonnaffon will come next. Among the later yellows we have four good ones, and it is more difficult to suggest the best as quality and time of flowering depends somewhat on the way in which they are treated. Golden Chadwick, Golden Eagle, Mrs. W. E. Kel-



ley and Nagoya are fine yellows. For November 15 to 20 we would prefer Golden Eagle, a dark yellow, fine incurved form and easy to manage. Nagoya and Mrs. Kelley will immediately follow. We would not consider Golden Chadwick were it not for the fact that the flowering period can be greatly changed, under favorable conditions. We have seen half developed flowers of this and the white form show the first week of November, and have also had fair blooms of both for Christmas.

To secure good blooms late in the season we must do all we can to promote growth rather than bud development. Planting late, treating fairly liberally in the application of water during the early part of the day, and curtailing the amount of air when the nights begin to cool off will have a tendency to keep the growth soft and thus delay bud formation. It is a well-known fact the buds are the result of hardening of the wood, and while the flowering season can be hastened or retarded to a certain degree, it is unwise to carry these operations to such a degree as to injure the crop. Pacific Supreme and Gloria are the two best early pinks; Mayor Weaver and Dr. Enguehard midseason, and Helen Frick and Mlle. Jeanne Rosette late. In addition to the foregoing all growers for retail trade should have a few each of the anemones, pompons and singles. They are all of the easiest culture, profuse bloomers and their use will lend grace and beauty to arrangement of all kinds. Again allow us to impress upon those who desire early flowers to plant early and those who require late flowers to plant late.

ELMER D. SMITH.

Adrian, Mich.

#### Lilacs at Highland Park, Rochester.

Again the lilacs in Highland park are displaying their beauties to admiring multitudes. They are perhaps in a greater abundance of floral profusion than they have ever been before, says the Rochester Democrat and Chronicle, and it will well repay people who have the opportunity to visit them frequently. With the importations that have come from Europe this spring the park board has in its possession 206 species and varieties of lilacs. This includes 14 species. Of course, what is meant by a species in regard to a lilac or any other plant is a unit composed of a greater or less number of individuals found growing in a wild state, and which reproduces itself true from seed, or within very limited variations. The different varieties of lilacs, like most other varieties of cultivated plants, have been produced by hybridization and selection and can only be perpetuated by artificial means.

Nearly all the cultivated varieties are the offspring of the common lilac, *Syringa vulgaris*, whose native home is on the banks of the Danube in eastern Europe. Most of the lilac species are indigenous to south and eastern Europe, China, Manchuria, Mongolia, and Japan. No lilacs are found growing in a wild state on the American continent. Some years since Dr. C. S. Sargent of the Arnold Arboretum, Harvard University, pro-

cured seeds of the common lilac in a wild state on the banks of the Danube, and raised a number of seedlings and presented a few of them to the park board. These are now in the park nurseries and have not yet flowered, but it will be interesting when they flower to ascertain how far they are removed from the highest types that have been produced by the skill of the hybridizer.

It is an error to suppose that lilacs have no particular charm or that they cannot be seen to best advantage except when they are in full flower. When the clusters are partly expanded, and the beauty of the unopened buds is contrasted with the open flowers, is really the time when the lilac displays its greatest charms. This is more particularly true perhaps in regard to the dark red flowering lilacs. Those single dark red lilacs, such as Uncle Tom, Congo Pasteur, Montgolfier and Negro, are charmingly handsome when the flower panicles are partly expanded.

Fifteen to 20 years since, Ludwig Spath was considered par-excellence as a dark red flowering lilac, and it is today a fine lilac, but there has been introduced during recent years a galaxy of showy lilacs, including those mentioned above, with deep purplish red flowers that are the peers of Ludwig Spath. It might be said that there are four shades or tints with their infinite variations in which the lilac re-

the park board purchased 18 years since from a nursery in Long Island. It is true the individual flowers are small, but they are deeply tinged with pink, and it is the nearest approach to a pink lilac in the collection. Macro-stachia, Lilarosa, Princess Maria, Crampel and Amoena are other distinctive single varieties that belong to this section, and there are many others.

The single white lilacs are particularly noticeable this year, and Noisetiana alba, Virginalis, Madame Moser, Frau Damman, Marie Légraye and Princess Alexandra have all their distinctive beauties. It is hard to choose or decide which is the best among these, but perhaps Princess Alexandra, in which the erect compound clusters, with large individual flowers, stand out prominently, might be placed at the top. Amongst the double white lilacs during recent years there has been a number of new comers. Madame Lemoine held the place of honor for a long time, but Rabelais, Obelisque, Jean D'Arc, Ellen Willmott, and Madame Casimir Perier are close rivals, and perhaps Madame Casimir Perier is superior to Madame Lemoine, in general excellence.

Amongst the lilacs in the range of color with lilac or bluish lavender flowers there is an immense number of single and double-flowered varieties varying more or less in depth and intensity. In the single lilacs Jacques



LILAC RUBRA TRIANONIANA.

veals its greatest beauties, namely white, creamy pink, lilac or bluish lavender, and purple red, and inside that general color scheme all the lilacs in cultivation range themselves whether they are double or single.

The most interesting lilac in the creamy pink color scheme is one under the name of Schermerhornii, which

Callot is an old variety, and is hard to excel. The individual flowers are about one inch across. Colmariensis Coerulea Superba, Fuerst Leichtenstein, Eckenolm and Christopher Columbus are single kinds that show the range of color in this section.

In the double flowering varieties President Carnot, Condorset, Alphonse



Lavalle, President Grevy, Lamarck, Rene Jarry des Loges, Abel Carriere and Dr. Masters are just a few of the numerous sorts in this range of color. If cool weather had not prevailed for the past two or three weeks all flowering plants and the lilacs would have been in flower four weeks ahead of last year and about two weeks ahead of the average season. At the present time it seems that they will be from two or three weeks ahead of last year.

## WITH THE GROWERS

### J. B. Keller's Sons, Rochester, N. Y.

The establishment of J. B. Keller's Sons, Rochester, N. Y., is on South avenue. The glass area is about 35,000 square feet. They do not grow any roses or carnations, as they find it more profitable to buy them for their cut flower trade, and devote the area to pot stock. About 10,000 chrysanthemums are benched for cut flowers. They have an immense retail cut flower trade as may be inferred from the fact that they force about 500,000 bulbs, such as tulips, narcissi, hyacinths, etc., besides a vast lot of other material that can be profitably given space for cut flowers. A considerable number of orchids are grown for cut flowers. Michael Keller says that *Cypripedium insigne* in different varieties, *Cattleya Trianae* and *C. labiata* are very useful and profitable for their cut flower trade. *Cœlogyne cristata* is grown considerably for cut flowers, but it is not nearly as useful as the orchids above mentioned.

The firm handles a large quantity of bedding plants, and about 50,000 geraniums, cannas, coleus, alternantheras, ageratums, etc., are grown. Over 50,000 annual and biennial plants are grown during late winter and spring. Fifty thousand table ferns were handled and sold during last year. By table ferns, of course, are meant small plants, 2-inch to 3-inch pots usually grouped in low vases in association with selaginellas. About 6,000 plants of the different forms of *Nephrolepis exaltata* are sold during the year, and immense numbers of *Kentia Forsteriana* and other popular palms are handled. They make a specialty of forcing choice shrubs, such as malus in variety, Chinese wistarias, white brooms, lilacs and other hardy subjects with much success.

Perhaps the firm is best known in the trade by its fine stock of perennials, and about eight acres are mostly devoted to them. Perhaps no other establishment in this country carries as large a stock of first-class, hardy perennials, and alpine plants. Their stock of alpine plants or low tufted perennials is certainly excellent, and to go over their grounds in spring is quite an inspiration to see how beautiful ornamental grounds may be made by a liberal use of masses or carpets of those in bloom. Amongst the plants that took our attention were *Cerastium Biebersteinii*, with its large pure white flowers. *Alyssum saxatile compactum* fl. pl. is a dense sheet of deep yellow flowers which Michael Keller says lasts much longer than the type; *Phlox stellaria erubescens*,

with clear lilac blossoms, one inch across, was remarkably beautiful; and *Bellis perennis* variety *Monstrosus*, is certainly the most beautiful English daisy we have ever seen. Some of the flowers by actual measurement were over two inches across. We think the varietal name is most unfortunate, for instead of being monstrous it is magnificent.

J. B. Keller, many years since, was foreman of the Ellwanger & Barry greenhouses during the time that this firm grew and sold greenhouse plants. He left Ellwanger & Barry in 1875, and started business for himself with a small greenhouse on the same grounds where the business has grown to its present proportions. Mr. Keller has a very extensive horticultural

own on Mt. Hope avenue, and John W. Keller is the efficient superintendent of Mount Hope cemetery, whose cordial manner and good humor is appreciated by all who know him. One son, Emil E. Keller, did not follow the craft, and he is an expert electrical engineer. Mr. Keller has a family of sons he may well be proud of, for they are all first-class citizens of the state, and that covers every function for any man in life.

JOHN DUNBAR.

### Hoerber Bros., Desplaines, Ill.

The best of soil, clean, new, light houses and a grower that knows his business form a pretty good combination when it comes to growing first-



LILAC CONDORSET.

knowledge, but as a specialist in his knowledge of hardy and perennial plants in their cultural requirements and propagation, there are none that can surpass him in this country, and for many years he contributed excellent articles to the *AMERICAN FLORIST* on hardy perennials. Mr. Keller retired from business about nine years since, but in order to have a little relaxation, he may be seen occasionally working amongst the orchids or other greenhouse plants. Mr. Keller is a gentleman of much refinement and culture.

The business is now conducted by the three sons, J. Michael who takes charge of the greenhouses and grounds, and does an important business planning and planting private grounds in Western New York, and Fernando J. and William L. Keller, who attend to the retail business on Clinton street. George J. Keller runs an independent florist business of his

class stock of cut flowers, and this can be seen in operation at the fine new plant of Hoerber Bros., Desplaines, Ill. Frank Bentley is certainly to be congratulated on his stock. The plants all around are healthy, clean and vigorous, while the flowers are good in every respect. On the day of our visit Frank had encased himself in overalls and was doing a little steam fitting on the side. He evidently is as much at home here as in the growing end and Hoerber Bros. are to be congratulated on having secured the services of so energetic and capable a man. The houses all through bear the unmistakable stamp of the careful grower, the absence of weeds and rubbish and the neat appearance of everything showing that he has his charge well in hand.

At the north end of the houses Victory carnation is grown and it is in great shape. The characteristic habit of the variety is well shown, the deep



red flowers looking well against the light foliage. The flowers are large, well colored and of good form and substance. Winsor comes next and the color is good, though the stems are rather on the short side. White Enchantress is a favorite variety here and does remarkably well, the flowers being large and pure in color. White Perfection is also largely grown and is in fine form. About 45,000 young plants have been propagated and the stock is clean and good. Planting in the field was in progress on the day of our visit, the soil working well, and enough are being set out to plant the new range of houses now under construction. The plants are given good room, 15 inches apart, and in the excellent soil here will doubtless make fine stock by planting time.

Roses are largely grown, Killarney especially. The plants are in fine crop and covered with young shoots, all showing the high color characteristic of this variety when healthy. This fine condition is noticeable in all the varieties grown, Richmond especially being in elegant shape. White Killarney is grown right at the south end of the range and is making a fine growth. Mr. Benthey, in common with other growers, finds that this variety is freer in growth and more easily propagated than Killarney, practically no loss being noticed in the cuttings. He believes in taking good wood for cuttings and certainly the appearance of the young stock justifies his predilection in its favor. The plants are now well rooted, the earliest in 5½-inch pots, the later rooted batches being in 2-inch and ready for a shift. In preparation for planting the new range 45,000 carnations 50,000 roses and 12,000 chrysanthemums have been propagated.

The new section will consist of six houses 27x250 feet and five 27½x288 feet, all running east and west. Moninger material will be used throughout and Garland gutters. The steam pipes and water runs are being laid and some of the gutter posts are up. All the material is ready on the ground and it will only be a short time before the new range is up, just doubling the size of this fine new plant. Messrs. Hoerber have been rather unfortunate in their boring for water, the artesian well having already been sunk 650 feet without striking a full supply, but they are still working at it and we hope that their efforts will soon be rewarded.

### Destroying "Spiders."

ED. AMERICAN FLORIST:—

Please tell me what I can do to get rid of spiders in our greenhouses.

W. G.

If by spiders "W. G." means the ordinary house spiders then cleanliness is the only remedy. The houses should be hosed and scrubbed down on every favorable opportunity, getting well into all corners and so disturbing the insects that they are made uncomfortable if not killed and will seek more suitable quarters. But red spider, an insect that attacks the plants grown in the greenhouses, is a different proposition. He is a most determined "sticker" and will not give

way to ordinary insecticides unless used at a strength that will damage most plants. But he abhors cold water and when plants that can be plentifully syringed or hosed with cold water are attacked this is the best way to clean them. Keep at it two or three times daily, and the insects will soon be killed. Sulphur fumigations are very distasteful to red spider, but they are also bad for plants, and the cure is apt to be worse than the disease. If it is red spider that is causing the trouble write again and we will endeavor to give fuller advice.

G.

### Horticulture at Brussels Exhibition.

The international exhibition at Brussels, although still in a very backward state, promises to be one of the best that has been seen in Europe for some years past. The grounds occupy about 225 acres, and are easily reached from all parts of the city by electric cars or taxicabs, the latter being far and away the best method if one can afford to pay for the luxury. From the Gare du Nord or the Gare du Midi, the two great stations at which strangers arrive, it takes about half an hour to reach the exhibition by street car.

acre within the buildings; but several acres of the grounds outside are devoted to the representation of horticulture as practiced in such countries as Belgium, France, Germany and Holland. During the summer months the outdoor gardening will be one of the features of the exhibition, but Americans need not be in a hurry to come over till about the end of June or July, by which time everything will be in perfect condition.

The indoor exhibition was of the usual continental, or rather Belgian, character. There were large groups of stove and greenhouse plants in which aroids, palms, cycads, bromeliads, azaleas, orchids and New Holland plants of great size were conspicuous. The weather was rather cold and changeable, and the tender-leaved caladiums soon felt the effects of the low temperature. The great tissue-papery leaves soon began to droop and by the second and third day looked like limp rags, far from beautiful. All the other plants, including the orchids, stood the cold remarkably well, and attracted large crowds of sightseers. There was one terrible drawback to the picturesque effect, and that was the numerous Belgian flags—masses of glaring red, yellow



COMMON WHITE LILAC.

This slow method of progression, however, enables one with plenty of time to see something of Brussels in passing to the Bois de Cambre—a beautifully wooded and undulating neighborhood adjoining the exhibition.

The horticultural display took place from April 30 to May 3 and gardeners and botanists from several countries were invited to take part as members of the jury or of the congress that was to be held during the last three days. The space allotted to plants, flowers, fruits and vegetables was little more than one-fourth of an

low and blue (or black)—hanging in great bunches from the top of the numerous upright supports to the building. Wherever one moved, the color of these flags intruded itself upon the eyes and jarred upon the nerves—to say nothing of spoiling the color contrasts of the flowers beneath. Perhaps one of the most charming exhibits was that put up by the king of the Belgians (King Albert). It consisted of a fine mass of blue flowered *Hydrangea hortensis* arranged in a semi-circular bed, and in bands around them were rosy nemesias,



deep blue cinerarias, Gloire de Lorraine begonias and yellow pyramidal *Celsia cretica*, bordered with *Ophopogon jaburan variegatum*, in the order given. At a short distance the effect was really fine and effective, one zone of color blending beautifully with another after the fashion of a rainbow.

Azaleas were of course models of cultural skill and some magnificent specimens of whites, scarlets, magentas, flakes, cerise, etc., were shown. A new and remarkable one shown by August Haerens, of Somergen, was named Lady Roosevelt, probably intended in compliment to the late American president's wife. The plant seems to be a sport or seedling from Rudolph Seydel, but it is unique in color. The individual blooms are  $3\frac{1}{2}$  to 4 inches across, semi-double and of a beautiful soft, clear flesh pink, reminding one somewhat of that of a *Nerium Oleander* or a Mrs. Burnett perpetual carnation. It is a variety in which there should be some money for growers.

Rhododendrons were not very largely exhibited, the only group of note being that of Jean Bracke Beyst, Loochrist, Ghent, who received a first prize a gold gilt medal. The most remarkable plant in his lot was White Pearl, a good vigorous sort which is deep pink in bud, but after opening gradually changes into a beautiful soft white, very faintly tinted with pink in places. It should make an excellent companion to the famous Pink Pearl. *Hippeastrums* are beginning to attract some attention on the continent, chiefly owing to the fine exhibits that have been taken over to Ghent and other places from time to time by Capt. Holford, an amateur, and Ker & Sons, of Liverpool. The latter firm were very much in evidence at Brussels with a magnificent group in which varieties leaning to the much coveted white were conspicuous. Six first prizes for new varieties were awarded the Liverpool firm for its enterprise. The Van Houttes of Ghent were the only natives with a similar display of *hippeastrums*.

American carnations are not yet largely grown on the European continent. The only exhibitors on this occasion were Low & Co. of Enfield, London, and M. Engelmann of Saffron Walden, Essex, Eng. The latter staged a fine group and received a gold medal. Among his group, specially attractive, was a new form called Carola, which may perhaps be best described as resembling a fine old clove carnation in color, only larger and quite as powerfully scented.

Mr. Stepmann of Molenbeck, near Brussels, put up one of the finest groups of lilacs that has been seen for some time. The plants had been very slightly forced and were in fine condition both as regards foliage and flower. Single and double-flowered varieties were about equal in number and were so arranged that the whites, purples and lilac colors helped to make each other conspicuous. Any one on the look-out for some good new lilacs as an investment will not make a mistake in buying the following: Princess Clementine, a magnificent double white with large erect trusses; Roi Albert (named after the youthful king of the Belgians), an excellent variety

with wine-purple flowers when young, gradually changing to bluish purple with age; and Reine Elizabeth, a charming single white. Altogether there were over 100 distinct varieties of lilacs shown, most of them being already well known.

The whole one side of the hall was devoted to examples of the very best kinds of orchids. Amongst the exhibitors were M. Firmin Lambeau, who staged about 25 yards run of beautiful cattleyas, *odontoglossums*, *ocidiums*, *renantheras*, etc., then came Mrs. Dietrich, Jules Hye, Theo. Panwels and Charlesworth & Co. of Hayward Heath, England. This firm had some excellent plants, among them being *Odontioda Charlesworthi*, O. Bradshawla, a fine *laelio-cattleya* called Golden Glory, and an improved form of the old *Cattleya Schroderae* called Frau Nanna Horsmann. Other groups of plants worth mentioning as lending grace and effect to the exhibition as a whole were some fine fringed and double forms of tuberous begonias; *Primula obconica* in various shades of purple, herbaceous *calceolarias*, glowing *anthuriums*, gaudy *strelitzias* and some huge white and pinkish forms of bedding daisy. The least known plant in the show was *Ficus Javanicus*, a curious shrub with roundish obovate leaves, deep green above, brownish beneath, and roundish fruits little bigger than peas. W.

#### Providence.

The weather for the past week was cool and cloudy, with plenty of rain, which has a tendency to shorten up on the supply and to reduce the transient trade. So the demand outside of funeral work and some few social functions is not very urgent. Stock is not coming in any too good in point of quality or great quantity. The sale of bedding plants has been held back very much owing to the weather, but it is expected everything in bloom at Memorial day will be cleaned out at an advanced price, owing to the scarcity of outdoor flowers, as about all kinds of this stock will be gone by. The heavy frost on May 6 did not do as much damage as was first reported. Lilac is in full bloom and outdoor tulips are making a grand display. American Beauty, Killarney, My Maryland, Richmond, Mrs. Jardine, Bride and Bridesmaid roses are coming in in good quality and plenty to go around. Colored carnations of first-class quality are not in oversupply and are selling out much closer. Mother's day caused a general cleaning out of white and delicate pink varieties at advanced prices. Sweet peas are not quite so plentiful, but the quality is good and prices are somewhat better. Spanish iris is more plentiful, of a good quality and sell well. *Gladiolus Blushing Bride* and G. America are more plentiful and are soon bought up. Lilies and callas are not so abundant as the past few weeks. Tulips in some varieties are scarce; those from outdoors are much better than those grown indoors. *Narcissus bicolor Victoria* from outdoors is plentiful and sells well. *Gardenias* and *cattleyas* are more abundant and are soon bought up. Outdoor lilac is in the market in immense quantities. Of *Asparagus Sprengeri*, A. plumosus, smilax and *adiantum* there is an insufficient supply. The nurserymen and seedsmen are having a most encouraging season, and, owing to the continued rain and cloudy

weather transplanting has continued up to the present time. Friday was Arbor day and was the cause of considerable business amongst the nurserymen. The weather was perfect for planting.

#### NOTES.

George Johnson & Son, of Elmwood avenue, reports business booming in floral decorations, funeral, landscape and forestry work. For the two latter Mr. Johnson finds it difficult to get experienced help. This concern had the decorations for the inauguration of the first mayor of the new city of Cranston that took place in the Park avenue high school on Monday. The rooms were handsomely decorated with palms, ferns, rubber plants, also Killarney, My Maryland and American Beauty roses. Alexander Johnson, of this firm, is city forester.

The Estate of Wm. Hoffman, of Pawtucket, Fred Hoffman, manager, has recently let a contract to Lord & Burnham Co., of Irvington, N. Y., for the construction of two new greenhouses—one 38x128 feet, the other 28x100 feet. This addition Mr. Hoffman has been contemplating for some time, as his business has greatly increased since opening his retail store on Main street, Pawtucket, two years ago. He is to rebuild several of the old houses this summer.

Lawrence Hay, of East Providence, is bringing in some very fine hybrid roses forced in pots. Mr. Hay reports business rushing, both at his greenhouses and in landscape work. He has charge of the Agawam hunt club grounds at this place and has a very extensive contract of grading, sodding and planting of shrubbery here. He purchased a horse sod cutter for the use of the club recently.

It is reported that the New York, New Haven & Hartford Railroad Co. is about to let the contract for the laying out and planting of the border of its roadbed between Boston, Providence and New York with rose bushes. Other varieties of trees, shrubs and herbaceous plants, no doubt, will be used.

John F. Wood had a very extensive wedding decoration at Woonsocket, for the Ellis-Pierce wedding, and used several hundred American Beauty, Killarney and My Maryland roses; also several carloads of decorative plants.

Earl Bavier, formerly with Mark Aitken of Worcester and Springfield, Mass., is now in charge of the flower department of L. Dimond and Sons' department store.

Winfield Seamens, formerly with J. H. Cushing, Quidnick, is now foreman and decorator at M. J. Leach & Sons' store, 20 Broad street, Pawtucket.

John A. Macrea is getting figures on a greenhouse, 50x400 feet, to be put up at once. This house will be for carnations principally.

John M. Greene, formerly gardener to Stephen H. Briggs, has opened a retail store at 238 Cranston street, corner of Bridgman street.

James B. Canning is building a summer residence near Rocky Point, and expects to occupy it by July 1.

Visitors: F. J. Sullivan, Springfield, Mass.; S. Geller, of the Geller Florist Supply Co., New York; G. Hampton, Philadelphia; W. S. Woodruff, Orange, Conn.; E. J. Fancourt, of the Pennock-Meehan Co., Philadelphia; W. P. Snyder, of the Edwards Folding Box Co., Philadelphia; also representatives of Welch Bros., Boston, and several Holland bulb men.

J. BRINTON.



# THE AMERICAN FLORIST

1885 TWENTY-FIFTH YEAR 1910

Subscription, United States and Mexico \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

Eastern Representatives:

A. F. FAULKNER, 1133 Broadway, New York.  
ROBT. KIFT, 1725 Chestnut St., Philadelphia, Pa.

**THE AMERICAN FLORIST,**  
324 Dearborn St., CHICAGO

**THIS ISSUE 56 PAGES WITH COVER**

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THE fourth annual rose festival will be held at Portland, Ore., June 6-11.

**CANNA PLANTING.**—Canna growers of long experience assure us it is most important that the roots and soil of pot grown stock be thoroughly loosened before planting and that cannas may be planted three weeks earlier than ordinarily tender bedding stock, for the reason that most of their growth during this period is below the soil. A warm condition of the soil, or what is known generally as the corn-planting condition of soil and weather, is said to be the most suitable when planting cannas in the field.

THE fifth annual dahlia show of the New Jersey Floricultural Society will be held October 1 at Lindsley hall, Orange, and a fine schedule of prizes has been published and mailed. Wm. Reid is secretary.

JOS. H. CUNNINGHAM, Delaware, O., one of our continuous advertisers, advises us that he sold 421,000 pansy plants between October 10, 1909, and May 12, 1910. Many growers consign to the rubbish pile year after year thousands of plants which could be sold readily through our advertising columns

## National Council of Horticulture.

The eighth installment of the press service of the National Council of Horticulture contains articles on "Cruelty to Trees," "Watering Plants," "Planting a Canna Bed," "The Long Spurred Columbine" and "Melon Growing." The articles are timely and practical and are entirely free to nurserymen, seedsmen, florists and local editors applying for them to James H. Burdett, 1620 West 104th place, Chicago.

## The National Sweet Pea Society.

The National Sweet Pea Society has issued a list of additional prizes offered for the annual exhibition next July. The preliminary schedule will be mailed upon application. The regular schedule is now in course of preparation and if any concern or individual wishes to offer a prize at the coming show, Secretary Harry A. Bunyard, 342 West Fourteenth street, New York, should be notified without delay. The prospects are that some 3,000 vases will be on exhibition this summer. Full details will appear later.

## Ferns Lacking in Color.

ED. AMERICAN FLORIST:—

Will some one kindly inform me how to grow Boston ferns so as to obtain the dark rich green color. I am troubled by many of them being very light colored, though healthy in appearance.

A. E. H.

There are several things that may induce a pale color in Boston ferns. It is sometimes the effect of too much water but more often than not it is because of a lack of nitrogenous fertilizer in the soil. This is most likely to be the case in those "A. E. H." enquires about, as they are healthy otherwise. Try watering with nitrate of soda, one pound of the crystals to a barrel of water. But follow this with manure water of some kind as the nitrate is not a perfect plant food and is apt to "draw" the soil as it is termed by growers. Soot water is also an excellent stimulant to foliage if used with discretion. A fairly good rough test as to the cause of the poor color of the foliage is the following: If it begins in the center of the plant, it is caused by over-watering. If, on the other hand, the center looks healthy and the outer parts are yellow, then probably poverty is the cause. This test is not, however, infallible.

G.

## Glazing.

ED. AMERICAN FLORIST:—

Please inform me of the best way to glaze an even span house, giving details so that a novice may know how to proceed with the work.

F. O. S.

For glazing greenhouses it is best to use double strength "A" glass, although "B" quality is sometimes used. The first thing is to grade the glass according to its curvature, as otherwise a curved pane might be just above a flat one and result in a bad crack between the panes. Usually three grades are made, those whose ends are practically straight, or flat, those that are slightly curved, and, third, the panes with considerable curvature. Care is then taken to put in a given row the panes with the same curvature. Glass should be laid with the curved side up and if there is any great difference in the curvature of the two ends, the end having the greatest curvature should be at the top. The size of pane most commonly used is 16x20 or 24 inches, although in large houses glass 20 and even 24 inches wide is sometimes used.

Greenhouse putty is made from whiting and linseed oil, with the addition of about five per cent of white lead to increase its adhesiveness and durability. While quite a variety of glazing "points" are on the market, cut zinc shoe nails are generally considered best. Before the house is glazed, the sash bars should be painted and if it is new work, this should be preceded by a priming coat of oil with a small amount of white lead. The glazing is begun at the plate, first driving one or two glazing points about one-half inch below the edge to keep the glass from slipping. After working the putty until it will "run" easily, it is applied to the sash-bars so as to fill the rebates. This can be done very rapidly by holding in the hand and feeding it out under the thumb, which is used to press it into place. A layer of putty is also applied to the upper edge of the plate where the glass will rest. The lower pane is then put in place, pressing it down upon the sash-bars and squeezing out most of the putty. It is then fastened in place by driving glazing points into the sash-bars at the middle on each side and also near each corner. The lower ones should be an inch or so from the corners and the upper ones as nearly as possible three-sixteenths of an inch from the edge of the pane. The pane above can then rest against these points and will thus be prevented from slipping. Care should be taken not to have too wide a lap as dirt will collect between the panes, thus making a dark streak in the roof, while there will also be trouble from water which will collect and freeze, thus cracking the panes.

The brads, or points, should be driven so that they will not project more than three-sixteenths of an inch. The work should then be continued in the same way, either doing one or two rows horizontally, or running up a row of glass vertically, according to the form of staging used. When the glazing has been completed, another coat of paint should be given the sash-bars, taking care to cover the exposed putty both above and below the glass.

L. R. T.



**The Late Mrs. Vesey.**

ED. AMERICAN FLORIST:

Enclosed herewith find copy of resolutions of condolence of the death of Mrs. Vesey by the St. Louis Horticultural Society.

St. Louis, Mo., May 13, 1910.

Whereas, the officers of the St. Louis Horticultural Society have learned of the sudden and untimely demise of Mrs. M. S. Vesey and,

Whereas, the St. Louis Horticultural Society together with the horticultural profession is suffering severely by the loss of her counsel and her cheerful and congenial companionship, therefore,

Be It Resolved that the St. Louis Horticultural Society, as a mark of high esteem and expression convey to the sorrowful family our consoling sympathy. Every life, no matter if its every hour is rich with love and every moment jeweled with a joy, will, at its close, become a tragedy as sad and deep and dark as can be woven of the warp and woof of mystery and death, but in the night of death hope sees a star and listening love can hear the rustle of a wing; she added to the sun of human joy; and were every one for whom she did some loving service to bring a blossom to her grave, she would sleep beneath a wilderness of flowers.

The Executive Committee.  
Per OTTO G. KOENIG, Sec'y.

**Meetings Next Week.**

Baltimore, Md., May 23, 8 p. m.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.

Cleveland, O., May 23, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit avenue.

Hartford, Conn., May 27, 8 p. m.—Connecticut Horticultural Society, County building.

Lake Forest, Ill., May 25, 8 p. m.—Horticultural Society of Lake Forest, Council Chamber, City Hall.

New London, Conn., May 25.—New London Horticultural Society, Elk's Hall.

Toledo, O., May 25.—Toledo Florists' Club, Winnipeg, Man., May 25.—Winnipeg Florists' Association.

**Wants, For Sale, Etc****One Cent Per Word, Cash with Adv.****For Plant Ads., See Ready Reference Section.**

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc

**Situation Wanted**—Commercial grower of roses, carnations, chrysanthemums and pot plants is open to engagement; middle-aged man, single, good references. Address

Key 513, care American Florist.

**Situation Wanted**—As working foreman: German, single; 18 years' experience in growing roses, carnations, mums, bulbs and general stock plants; also good designer and decorator; sober, honest and good worker; have the best of references; can take full charge of any place; state wages. Key 506, care American Florist.

**Help Wanted**—Men for bedding out; good wages. MOUNT GREENWOOD CEMETERY, Morgan Park, Ill.

**Help Wanted**—For greenhouse work; three or four good potters. Apply to BASSETT & WASHBURN, Hinsdale, Ill.

**Help Wanted**—Immediately; reliable, intelligent, energetic young man as assistant to foreman in cemetery; wages, \$12 per week; state experience and reference. Box 283, Carthage, Mo.

**Help Wanted**—Competent assistant or manager for retail city store; must understand designing; state age, experience and salary required; answer quick. CENTRAL FLORISTS, Kalamazoo, Mich.

**Help Wanted**—Two nurserymen who are honest and industrious; wages \$2.50 per day; steady employment and advancement if satisfactory. DEVILS LAKE NURSERY, Devils Lake, N. Dak.

**Help Wanted**—Young man experienced in perennials; state experience salary wanted, etc. in first letter; steady work for right man; 24 miles from Chicago.

Address Key 514, care American Florist.

**Help Wanted**—Thoroughly competent man on an up-to-date place of 32,000 square feet of glass, where carnations, roses, mums, bedding plants and general stock are grown; send reference and state wages wanted with inquiry.

AUGUST VON BOESLAGER, Mt. Clemens, Mich.

**For Sale or Rent**—40,000 square feet of glass, in good location; needs partial rebuilding; rent accordingly, or will sell at reasonable price.

Key 460, care American Florist.

**For Sale**—Because of advancing age will sell my fine florist business in a live western town with out-of-town trade for 150 miles around; no competition. Key 512, care American Florist.

**For Sale** 3,000 feet of soil pipe with fittings (except valves) 10c per foot. 18 4-inch valves cheap. One boiler, hot water, 3x10 feet; 3-inch return flues, \$50.00.

D. C. &amp; M. A. NOBLE, Columbia City, Ind.

**For Sale or Rent**—I have as good a florist business as there is in the country for the size; good eight-room house; three greenhouses; 3½ lots, 5 by 35. I got \$1,500 for my work last year, clear from all expenses, and it is better every year. Will sell or rent to right man; small payment down, balance on time. Box 644, Durand, Mich.

**WANTED.**

**Seedsmen capable of earning \$1000 per year.** State fully your experience in seed business. Address

Key 494, care American Florist.

**FOR SALE**

**Second-hand Greenhouse Bars**, 16, 14, 11 and 9 ft. lengths, 1c per ft.

**Ventilators**, with glass, 6½x2 ft., \$1.00.

WIETOR BROS., 51 Wabash Ave., Chicago

**WANTED**

Rose growers; men capable and experienced in growing American Beauties in sections; good wages and desirable positions.

HELLER BROS., New Castle, Ind.

**For Sale.**

Who wants good location for green house and nursery close by fine cemetery; I have it for sale.

J. S. HOVLAND, Room 1011,

Phone Main 455, 138 Washington St., Chicago

**FOR SALE.****A Chance of a Lifetime.**

A good paying up-to-date cut flower store in excellent locality of one of the best western cities; low rental. This is worth investigation. Reasons: too much other business. Address

Key 504, care American Florist.

**Wanted.**

An experienced nurseryman to take charge of retail department; one who has had long experience in the business, knowing the value of trees, and a good salesman. A good position is open for the right man.

**The Elizabeth Nursery Co.,**  
Elizabeth, N. J.

**Agent Wanted**

Wholesale firm, exporting natural grass, clover, and agricultural seeds, grass seed mixtures to the States, is wanting an agent for short trips and permanent representation. Must be acquainted with the trade. State references, age, conditions. Address

Key 499, care American Florist.

**Opportunity of a Lifetime****FOR SALE**

A well established, money-making, up-to-date wholesale commission company in Denver, Colo., dealing in cut flowers and florists' supplies. No competition. Only small amount of cash required. Address all communications to

N. A. BENSON,

1360 So. Sherman St., DENVER, COLO.

**Offer Them Now****ALL SPECIALTIES**

**For Cemetery Use  
All Bedding Plants  
Window Box Stock  
Plants [for Vases]**

The season is three weeks early, and the growers will get left who do not clean out their surpluses

**WHILE DEMAND IS STRONG**



# Our Goods Are Right

So are our prices. But this is not all. We take the same care with the smallest order as the largest and are prepared to fill either or both. We are filling both — and filling them right. That's where we get ahead of the other fellow who thinks the small order not worth while and loses the big ones. **GET THAT?** Try us with a small or large order

## For Decoration Day

and we will continue to get the big ones. Our specials this week are **Bride, Bridesmaid, Killarney and Richmond Roses, Carnations, Gladioli and Peonies.** But we have all the other popular stocks, so don't hesitate to order **EVERYTHING YOU WANT.**

**We Give Personal Attention to All Orders.**

**ZECH & MANN,** Room 218  
51 Wabash Avenue, Chicago  
Telephone Central 3284

## Send us your Orders for Decoration Day

and we assure you that they will be carefully executed, being able to give you choice stock which we know will please your most particular customers.

We offer choice **Beauties** besides long stemmed flowers in the following varieties:

### My Maryland, Killarney, Kaiserin, Field, Richmond

and others. They are the best in this market and cannot be beaten on any other. The foliage is good, the flowers of fine color and they have not a fault.

**Our Peonies, Carnations** and other flowers are perfect, and we are in full cut on all popular varieties. We are paying especial attention to out-of-town orders, and our facilities for shipping are of the best and most up-to-date.

**Let Us Have Your Next Order.**

### Fancy Sweet Peas

**In Quantities,**

**White, Pink, Light  
Pink and Lavender.**

## J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

**Roses and  
Carnations  
A Specialty....**

**WHOLESALE**

**GROWER OF**

**CUT FLOWERS**

### Chicago.

#### EVERYBODY SATISFIED.

It is seldom that such a healthy tone is noted in the market in the middle of May as this year. Everybody appears to be satisfied with the amount of business doing and both stock and prices are much more satisfactory than is usual at this season. Much interest naturally centers in the peonies. Large quantities of southern stock are being handled, some fine flowers of the redoubtable Festiva Maxima being among the best offerings at those houses which make a specialty of peonies. These flowers show practically no ill effects of the frost—that is, the best of them do not. Most of the pinks and light reds are slightly damaged and probably will not be improved by storage. Still, taking all into consideration, they are far better than was at one time hoped for. Local early pinks are already in and are only slightly damaged. We have seen them damaged as much by sun in some seasons, as they are by frost in this. Of course, there are many damaged flowers coming and many will have crooked stems, owing

to having fallen over and picked up again. The local varieties outside of the early pink will not be in for Memorial day, as the buds are moving very slowly indeed and many growers are greatly disappointed. Carnations are really magnificent flowers for this time of year. We never remember seeing in May such fine stems and large substantial flowers as this season. The price is high, as high as it frequently is at Christmas but, as a word to the wise, we would like to advise growers not to bank too much on the scarcity and hold stock for a late market, as they may be left. Although we like to see the high prices, yet it cannot be denied that Christmas prices around Memorial day are, to say the least, unusual and retailers will not be apt to force sales too much on carnations at \$50 per 1,000 or six cents per 100 wholesale.

Roses are fine, moderate in price when the quality is taken into consideration and clean up remarkably well daily. There are some magnificent Beauties in the market, long stems and finely colored, substantial flow-

ers, while, in the medium and shorter grades, the same fine condition is noticeable. White Killarney certainly seems all conquering. To a great extent it hurt the sales of Bride during winter and early spring and now it is whispered that some retailers who formerly put their money into Kaiserin in summer are taking White Killarney instead, owing to its shipping qualities. Kaiserin has splendid substance and is a grand rose, but it is easily bruised if not very carefully handled. Mrs. Jardine is becoming very popular; its color is not quite as good as it was a week or two back, but the flowers are fine and of good substance. Bride and Bridesmaid are exceptionally good for the season; so is Richmond. The rose situation, in fact, is about as good as it could be for the season.

In orchids Cattleya Mossiae still holds the stage, though a few good flowers of C. gigas are noted, also C. Loddigesii. The demand for them is good and the prices keep steady around the 50-cent mark. Lily of the valley, snapdragon, pansies and all classes of small flowers are still plen-



# Decoration Day Price List.

## BEAUTIES, Very Large Crop of Long Stems

They are the best quality in this market. Also a

## Big Cut of Roses and Carnations

BUY DIRECT OF THE GROWER

Current Price List in Effect May 24.

| American Beauties                          |  | Per doz.       | Richmonds, Killarney, White Killarney and Kaiserin. |  | Per 100        | Miscellaneous                        |  | Per 100        |
|--------------------------------------------|--|----------------|-----------------------------------------------------|--|----------------|--------------------------------------|--|----------------|
| Extra long.....                            |  | \$3 00         | Extra long and select .....                         |  | \$10 00        | Lily of the Valley .....             |  | \$3 00         |
| 24 36-inch .....                           |  | 2 50           | Good lengths.....                                   |  | 8 00           | Sweet Peas .....                     |  | 1 00           |
| 18-inch.....                               |  | 2 00           | Medium lengths.....                                 |  | 6 00           | Asparagus Sprays .....               |  | \$3 00 to 4 00 |
| 12-inch.....                               |  | \$1 00 to 1 50 | Short lengths.....                                  |  | \$4 00 to 5 00 | Asparagus Strings, each .....        |  | 50             |
| Short stems, per 100, \$5 00 to \$6 00     |  |                |                                                     |  |                | Sprenger.....                        |  | 2 00 to 3 00   |
| Carnations                                 |  | Per 100        | Maids, Brides and Perles                            |  |                | New Ferns, per 1000 .....            |  | 2 00 to 2 50   |
| Fancy red extra long O.P. Bassett.....     |  | \$4 00         | Long and select .....                               |  | 8 00           | Smilax, very long and heavy.....     |  | 2 50           |
| Fancy White Enchantress.....               |  | 6 00           | Medium .....                                        |  | 6 00           | per doz.....                         |  | 2 50           |
| Fancy Enchantress and Winsor.....          |  | \$4 00 to 5 00 | Good short .....                                    |  | \$4 00 to 5 00 | Adiantum .....                       |  | 1 00           |
| ROSES, our selection, medium lengths ..... |  | 4 00           |                                                     |  |                | Galax, green or bronze per 1000..... |  | 1 00           |

# Bassett & Washburn

Store and Office: 76 Wabash Ave.,

CHICAGO

Greenhouses: HINSDALE, ILL.

# HERE IS THE STOCK

You Need For Decoration Day

A very large crop of **BEAUTIES, KILLARNEY, RICHMOND, BRIDE, MAID** and other Roses—quality as good as any and better than many can offer. Careful attention to all orders.

**Finest Cattleyas in Chicago**—Can Supply in Quantify, \$6.00 per doz.

## DECORATION DAY PRICE LIST

| AMERICAN BEAUTIES  |  | Per doz. | Richmond, select ..... |  | Per 100          | Carnations.....                    |  | per 100, \$3 00 to \$5 00 |
|--------------------|--|----------|------------------------|--|------------------|------------------------------------|--|---------------------------|
| Long stems.....    |  | \$4 00   | medium .....           |  | \$6 00 to \$8 00 | Peonies .....                      |  | 60 to 1 00                |
| 30-inch stems..... |  | 3 00     | Killarney, select..... |  | 4 00 to 5 00     | Easter Lilies.....                 |  | per doz., 2 00            |
| 24-inch stems..... |  | 2 50     | medium .....           |  | 6 00 to 8 00     | Valley .....                       |  | per doz., 3 00 to 4 00    |
| 20-inch stems..... |  | 2 00     | Bridesmaid .....       |  | 4 00 to 5 00     | Callas .....                       |  | per doz., 1 50 to 2 00    |
| 15-inch stems..... |  | 1 50     | Bride .....            |  | 4 00 to 8 00     | Asparagus Plumosus, per bunch..... |  | 50 to 75                  |
| 12-inch stems..... |  | 1 00     |                        |  | 4 00 to 8 00     | Fancy Ferns .....                  |  | per 1000, 3 00            |
| Short.....         |  | 75       |                        |  |                  | Smilax.....                        |  | per doz., 2 00 to 2 50    |

Subject to Change Without Notice

**GEO. REINBERG,** Wholesale Grower and Shipper of **Cut Flowers**  
51 Wabash Avenue, CHICAGO

tiful. There is nothing like the usual amount of tree and shrub bloom, or of hardy outdoor stock, but its loss is hardly felt as there are plenty of fine indoor flowers. Callas and Easter lilies are still coming about equal to the demand. Sweet peas are fairly plentiful and the demand for the better grades keeps up well.

Although it is always unwise to prophesy there is every prospect of a record breaking business for Memorial day. Several prominent wholesalers say their advance orders were

never so good and one says that he has already more advance orders than the whole of his trade amounted to last year. Prices, except on carnations, have not advanced particularly and the quality of the latter makes them good value even at the rise. Peonies will not be as plentiful or as good as usual and there is considerable inquiry from retailers who are anxious to know how they stand. The flowers arriving from Missouri, southern Indiana and other points are of fair quality and there

will be a few early pinks from local growers. The bulk of the local stock, however, will not make the market.

### NOTES.

Poehlmann Bros. Co. is receiving fine consignments of home grown orchids now from Morton Grove. Cattleya Mossiae, of course, forms the bulk of the shipments, but there are also fine blooms of C. gigas and others. The roses here now are superb, white and pink Killarney in stems 40 inches long and flowers of remarkable



**Send Us Your  
Orders For...**

# Cut Flowers

## FOR DECORATION DAY

A Large Supply of All Kinds of Cut Flowers and Greens--Prices Right.

### DECORATION DAY PRICES:

#### AMERICAN BEAUTIES

|                    | Per doz. |
|--------------------|----------|
| Long stems.....    | \$4 00   |
| 30-inch stems..... | 3 00     |
| 24-inch stems..... | 2 50     |
| 20-inch stems..... | 2 00     |
| 15-inch stems..... | 1 50     |
| 12-inch stems..... | 1 00     |
| Short stems.....   | 75       |

|                           | Per 100           |
|---------------------------|-------------------|
| Bridesmaid.....           | \$1 00 to \$ 6 00 |
| Bride.....                | 4 00 to 6 00      |
| Golden Gate.....          | 4 00 to 6 00      |
| Kaiserin.....             | 4 00 to 6 00      |
| Richmond.....             | 4 00 to 8 00      |
| Killarney.....            | 4 00 to 8 00      |
| Roses, our selection..... | 4 00              |
| Cape Jasmine.....         | 1 00 to 2 00      |
| Callas.....               | 12 50 to 15 00    |
| Harrisil.....             | 15 00             |

|                                             | Per 100                |
|---------------------------------------------|------------------------|
| PEONIES, Good stock, assorted.....          | \$4 00 to \$ 5 00      |
| “ White, pink, A1 stock.....                | 6 00                   |
| “ Special fancy stock.....                  | 8 00                   |
| CARNATIONS, A1 stock.....                   | 3 00 to 4 00           |
| “ fancy.....                                | 5 00                   |
| Gladioli, fancy, per doz., \$1 50 to \$2 00 |                        |
| Sweet Peas.....                             | 75 to \$1 50           |
| Va ley.....                                 | 3 00 to 4 00           |
| Daisies.....                                | 75 to 2 00             |
| Pansies.....                                | 1 00 to 1 50           |
| Adiantum.....                               | 75 to 1 00             |
| Asparagus, strings.....                     | each, 50 to 60         |
| Asparagus, bunches.....                     | each, 35 to 50         |
| Sprengerli, bunches.....                    | each, 25 to 50         |
| Ferns.....                                  | per 1000, 3 50         |
| Galax.....                                  | per 1000, 1 00 to 1 25 |
| Smilax.....                                 | per doz., 2 00 to 2 50 |
| Fancy Boxwood.....                          | bunch, 35              |

Subject to change without notice.

# VAUGHAN & SPERRY

LONG DISTANCE PHONE  
CENTRAL 2571.

52-54 Wabash Ave., CHICAGO.

substance. Richmond is also extra fine, in fact the whole of the cut is excellent. Lilies continue to arrive in large quantities, also carnations and valley, all from the home ranges, while there is plenty of fine stock of all the smaller flowers. Trade has been very good during the week and orders for Memorial day are coming in briskly. It may be noted in passing that another big consignment of orchids has been received at the green-houses and these are likely to prove a leading specialty here.

Bassett & Washburn are long on all classes of stock and the quality is of the finest. Good American Beauty, Richmond, Killarney, White Killarney, Kaiserin and other roses are arriving in large quantities daily, and carnations are as good as any on the market with an extremely good demand. C. L. Washburn is very pleased with the way business is looking up, and says that Memorial day here promises to be a record breaker. E. B. Washburn is now at Tacoma, Wash., and hopes to be home in time to give a hand with the Memorial day rush. O. P. Bassett leaves this week for New York enroute to Europe.

At the J. A. Budlong range the growers must be as successful with sweet peas as they are with roses. The quality of the former now coming in is excellent and a quiet smile wreaths Phil Schupp's countenance as he unpacks the fine Spencers and other varieties day after day. The colors are clear and good and the flowers of fine size and substance. The roses are keeping just as good as they have been right through, splendid stock with good stems and foliage.

My Maryland and Field are proving to be two of the best roses at

Peter Reinberg's, and the flowers are fine. The Beauties now being cut are of strictly high grade, the flowers large and highly colored, the stems strong and well leaved. Altogether, the stock is first class and it is a question if this well-known house was ever in better shape to take care of Memorial day business than this year. Carnations are extra fine, long stems and firm flowers that bear shipping well.

At Kennicott's peonies are the principal attraction, and they are certainly handled in quantity. C. A. Samuelson turned in one order here for 500 dozen for \$300 and another order for 50 dozen the same day. The old red is not plentiful, the southern stock being over, but there are plenty of flowers of all the leading varieties and in excellent condition. Early Rose, Late Rose, Whitley and Festiva Maxima are among the best shown.

At Vaughan & Sperry's we noted some extra fine boxwood which should prove very useful for Memorial day, the leaves clean and bright and the branches well furnished. Gladioli in light and dark shades are a specialty here and big consignments are promised for the Memorial day business. Peonies are in great shape, good southern stock in the best selling colors as well as early pink grown locally.

Peonies are coming in good form to the J. B. Deamud Co., fine light and dark pink, white and rose varieties being noted. Some elegant gladioli are also among the offerings as well as large consignments of the double white narcissi. J. B. Deamud has been visiting the peony growers of the district, also looking up his growers for stock for the big demand for Memorial day.

Joseph F. Lang, identified with the retail trade of this city for the past 28 years, died at his residence, 2010 Melrose street, May 16, after an illness of five days. The deceased was born at Eltesweiler, Germany, in 1855 and came to Chicago in 1881. The funeral was held May 17 at St. Alphonso's church. Interment at St. Boniface cemetery.

E. C. Amling looks very cheerful these days, business coming his way in big slices. The stock shown is fine in all cases. We saw here the best Festiva Maxima peonies we have noted this season, and all other varieties are good. Stephanotis has been among the offerings here this week.

At Geo. Reinberg's, Bride, Bridesmaid, Killarney and Richmond roses are coming in great shape, the growers having been lucky in making Memorial day with some of the best stock of the year. The cuts of smilax continue good and orchids are also freely shown.

Mrs. Jardine rose is a strong feature at Wietor Bros., the flowers being large and of fine form and color. Stock cleans up well daily and orders for Memorial day have been coming in freely. Good carnations in all the popular varieties are also to be seen here.

Shipping trade keeps up remarkably well at Zech & Mann's and whenever we go there we always find all hands busy. Among the stock during the present week the fine color of the Bridesmaid roses was very noticeable.

Wedding decorations have been plentiful recently at the retail department of the Geo. Wittbold Co., and the force here has been kept very busy.

(OTHER CHICAGO NOTES ON PAGE 832)



# Cut Flowers \* E. H. HUNT

FOR ALL OCCASIONS.  
FLORISTS' SUPPLIES TOO.

— SEND FOR PRICE LIST. —  
76 Wabash Avenue, CHICAGO.

## KYLE & FOERSTER,

W. P. KYLE

51 Wabash Ave.,

CONSIGNORS SOLICITED.

Wholesale Florists.

L. D. Phone  
Randolph 3619.

JOSEPH FOERSTER

CHICAGO

## KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., Chicago  
L. D. Phone, Central 466.

We will have anything in the line of  
**CUT FLOWERS and GREENS**  
that you may want if anybody has it, at  
Chicago market prices on day of shipment.

## A. L. Randall Co.

19-21 Randolph St.,  
CHICAGO.

L. D. Phone Central 1496. Private Exchange  
All Departments. If you do not receive our  
price list regularly send for it.

Desplaines, Ill.

The Desplaines Floral Co. is reaping the benefit now of the new houses erected last season in the extra fine quality of the carnations now being cut. The stock is fine in every way, the plants healthy and the flowers of excellent substance. The young plants are very fine and are now being planted in the field. About 15,000 asters, Queen of the Market, are just ready to go out and they are a vigorous, healthy lot. John Prickett is certainly an inventive genius and we were much interested in a new system of carnation supports he is working out. Upright castings are clipped over the sides of the cement benches with sliding blocks on them to be fixed at any height desired by means of a set screw. Each block has two holes in it and is wired trellises or frames are made to fit into these, thus obviating any strain on the ends of the benches, as each six feet or so is entirely distinct and self-supporting. This kind of thing would be very useful around propagating time or at any time when it becomes necessary to utilize part of the bench. John, as a mechanic, and Harry Blewitt, as a grower, form a mighty good combination and both are workers, this accounting for their success, which is well deserved.

The new foundry of the Geo. M. Garland Co. will be considerably larger than the old one and work on it is progressing rapidly. There was a talk of this firm leaving the town, but this has been averted, and when the new foundry is complete the capacity will be greatly increased. Orders for the Garland gutter and the new improved truss are coming in very rapidly and everybody is working

## E. C. AMLING

THE LARGEST,  
BEST EQUIPPED,  
MOST CENTRALLY LOCATED  
WHOLESALE  
CUT FLOWER HOUSE  
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,  
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

## Wholesale Flower Markets

| CHICAGO, May 18.               |              |      |
|--------------------------------|--------------|------|
| Roses, Beauty, extra select... | 4 00         |      |
| " " specials.....              | 3 00         |      |
| " " 36 in.....                 | 2 50         |      |
| " " 30 in.....                 | 2 00         |      |
| " " 18 in.....                 | 1 50         |      |
| " " 15 in.....                 | 1 00         |      |
| " " Short.....                 | 75           |      |
| Per 100                        |              |      |
| " Bride, Bridesmaid, select..  | 4 00@ 8 00   |      |
| " " medium.....                | 2 00@ 3 00   |      |
| " Killarney, select.....       | 5 00@ 10 00  |      |
| " " medium and short.....      | 2 00@ 4 00   |      |
| " Mrs. Jardine.....            | 4 00@ 8 00   |      |
| " Mrs. Potter Palmer.....      | 2 00@ 6 00   |      |
| " My Maryland.....             | 3 00@ 8 00   |      |
| " Perle.....                   | 2 00@ 6 00   |      |
| " Richmond.....                | 3 00@ 8 00   |      |
| " Uncle John.....              | 3 00@ 8 00   |      |
| " White Killarney, select....  | 4 00@ 10 00  |      |
| " " medium.....                | 2 00@ 3 00   |      |
| Carnations, select fancy.....  | 4 00@ 6 00   |      |
| " " white.....                 | 6 00         |      |
| " " common and splits.....     | 1 00         |      |
| Callas..... per doz.,          | 1 50         |      |
| Lilium Harrisii..... per doz., | 2 00         |      |
| Lily of the Valley.....        | 2 00@ 4 00   |      |
| Mignonne.....                  | 3 00@ 8 00   |      |
| Narcissus.....                 | 2 00@ 3 00   |      |
| Orchids..... per doz.,         | 6 00@ 9 00   |      |
| Peonies..... per doz.,         | 6 00@ 1 00   |      |
| Sweet Peas.....                | 60@ 1 00     |      |
| Adiantum..... per 100.         | 1 50         |      |
| Asparagus Plum. strings, each, | 60@ 75       |      |
| " " sprays.....                | 3 00@ 4 00   |      |
| " " Sprenger.....              | 3 00@ 4 00   |      |
| Boxwood..... per bunch,        | 25c per caes | 7 50 |
| Ferns..... per 1000.           | 2 50         |      |
| Smilax.....                    | 2 00         |      |

full time to keep up with them. Among other large contracts now being filled is one for J. F. Wilcox, of Council Bluffs, Ia., who is using 30,000 feet of the Garland gutter, and the new plant of Hoerber Bros.

H. C. Blewitt is trying out a number of the new varieties of Spencer sweet peas for late work. They look remarkably well and some of them will probably be in for Memorial day. Mr. Blewitt is putting up another house this year, 27x150 feet, using the Garland gutters and improved truss construction, Foley material and the Evans ventilators. He is strong on

## CHAS. W. McKELLAR,

51 Wabash Ave.  
CHICAGO.

## ORCHIDS

A Specialty

Fancy Stock in Peonies,  
Valley, Roses, Beauties,  
Carnations and a full line  
of all Cut Flowers, Greens,  
Wire-Work and Florists'  
Supplies.

Send for Complete  
Catalogue.

## WIETOR BROS.

Wholesale Cut Flowers  
Growers of

All telegraph and telephone orders given  
prompt attention.

51 Wabash Ave.. CHICAGO.



## HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 51 Wabash Avenue CHICAGO

White Enchantress carnation and we have seldom seen this variety so good. At the Garland ranges carnations are the principal attraction, except at Frank Garland's, where the roses are in excellent shape, some fine Killarney and Kaiserin being seen. The latter is especially good and all the plants are clean, healthy and full of flower.

Chas. Wiffin's place is in good condition and we noticed particularly some excellent lavender double stock. Godetia is grown here as a "novelty." Mr. Wiffin is still out west, but the place is being taken good care of by his sons.

HILLSBORO, ILL.—Geo. L. Zeall is starting in the greenhouse business at this place and intends to grow florists' stock and vegetables. He expects to build a new greenhouse this season, 25x75 feet.



## American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

## Rice Brothers

Wholesale Florists and Supplies,

115 N. 6th St., MINNEAPOLIS, MINN.

Cut Flowers received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities

## THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

## Weiland & Olinger

128 E. Third S., CINCINNATI, O.

Wholesale Growers and Shippers of Cut Flowers.

Boston.

TRADE FAIR.

Business during the past week was rather quiet, but not discouraging. The retailers recognize the fact that the near approach of Memorial day, as any of the other great holidays, usually reduces trade, but they hope to make up for it when the day comes around. There is evidence of fine stocks of roses, carnations and all other seasonable flowers for Memorial day, as the weather has been clear and conditions are generally favorable. Wholesalers and growers say that had the demand of the past week been heavy it would have been hard work to supply it, as arrivals were rather light. Some very fine roses are arriving, but there is no surplus. Of the leading stocks it is probable that the shorter grades of roses are as plentiful as anything. There is no surplus of good carnations, but very good ones are arriving. There are plenty of orchids to supply all demands. Stocks, snapdragons, sweet peas, pansies, cut and in baskets, are all noteworthy features. Outdoor lily of the valley is seen in considerable quantities.

THE RETAILERS.

P. L. Carbone's store, at 342 Boylston street, is noteworthy, not only for fine flowers, but also for a great collection of garden and house pottery. There are china, marble and terracotta work in almost endless profusion and fanciers have an immense variety to choose from.

A feature of the Wax Bros. store is their fine window display of baskets of orchids and roses and tastefully arranged bouquets of pansies and sweet peas.

Henry R. Comley has an attractive store at 6 Park street. It should be easy for Mr. Comley to be a good florist, as it runs in the family.

Both of Doyle's stores, 6 Beacon street and 306 Boylston street, are handsome and stocked with the best the market affords.

## Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

## HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

## Wholesale Flower Markets

| BOSTON, May 18.            |             | Per 100 |
|----------------------------|-------------|---------|
| Roses, Beauty, best        | 25 00@30 00 |         |
| " " medium                 | 15 00@20 00 |         |
| " " culls                  | 5 00@10 00  |         |
| " " Bride, Bridesmaid      | 1 00@4 00   |         |
| " " Extra                  | 5 00@8 00   |         |
| " " Killarney and Richmond | 2 00@8 10   |         |
| " " My Maryland            | 1 00@8 00   |         |
| " " Carnot                 | 2 00@12 00  |         |
| Carnations                 | 1 00@2 00   |         |
| " " selected               | 2 00@3 00   |         |
| Callas                     | 8 00@10 00  |         |
| Cattleyas                  | 35 00@50 00 |         |
| Lilium Longiflorum         | 8 00@10 00  |         |
| Lily of the Valley         | 2 00@3 00   |         |
| Smilax                     | 12 00@16 00 |         |

| ST. LOUIS, May 18.        |             | Per 100 |
|---------------------------|-------------|---------|
| Roses, Beauty, long stems | 15 00@20 00 |         |
| " " medium stems          | 8 00@12 50  |         |
| " " short stems           | 2 00@4 00   |         |
| " " Bride, Bridesmaid     | 3 00@5 00   |         |
| " " Killarney             | 3 00@6 00   |         |
| " " My Maryland           | 3 00@6 00   |         |
| " " Richmond              | 3 00@6 00   |         |
| Carnations                | 1 00@2 00   |         |
| " " fancy                 | 2 00@3 00   |         |
| Callas                    | 8 00@10 00  |         |
| Easter Lilies             | 6 00@10 00  |         |
| Sweet Peas                | 20 00@50 00 |         |
| Adiantum                  | 1 50        |         |
| Asparagus Sprengeri       | 2 00@3 00   |         |
| Smilax                    | 12 50@15 00 |         |

| CINCINNATI, May 18            |             | Per 100 |
|-------------------------------|-------------|---------|
| Roses, Beauty                 | 1 00@4 00   |         |
| " " Bride, Bridesmaid         | 2 00@6 00   |         |
| " " Golden Gate               | 2 00@6 00   |         |
| " " Killarney                 | 2 00@6 00   |         |
| " " Richmond                  | 2 00@6 00   |         |
| Carnations                    | 1 00@3 00   |         |
| Callas                        | 10 00       |         |
| Daffodils                     | 2 00        |         |
| Daisies                       | 50          |         |
| Lilium Longiflorum            | 10 00@12 50 |         |
| Lily of the Valley            | 3 00@4 00   |         |
| Narcissus, Paper White        | 3 00        |         |
| Sweet Peas                    | 50@75       |         |
| Tulips                        | 3 00@4 00   |         |
| Adiantum                      | 1 00@1 50   |         |
| Asparagus Sprengeri, per bch. | 25          |         |
| Smilax                        | 12 50@20 00 |         |

| MILWAUKEE, May 18.      |             | Per 100 |
|-------------------------|-------------|---------|
| Roses, Beauty           | 6 00@30 00  |         |
| " " Bride Bridesmaid    | 3 00@8 00   |         |
| " " Killarney           | 4 00@8 00   |         |
| " " Liberty, Chateau    | 2 00@8 00   |         |
| " " Perle               | 3 00@8 00   |         |
| " " Richmond            | 4 00@8 00   |         |
| Carnations              | 2 00@4 00   |         |
| Lilium Giganteum        | 12 00@15 00 |         |
| Lily of the Valley      | 4 00        |         |
| Snap Dragon             | 4 00@8 00   |         |
| Swainsona               | 50          |         |
| Sweet Peas              | 50@1 00     |         |
| Tulips                  | 2 00@3 00   |         |
| Adiantum                | 1 00@1 50   |         |
| Asparagus               | 50@60       |         |
| " " Plumosus, per bunch | 50          |         |
| " " Sprengeri           | 35          |         |
| Ferns, Fancy            | 2 50        |         |

Thos. J. Clark, formerly of Houghton & Clark, has now a nice store at the corner of Boylston and Berkeley streets.

Julius A. Zinn is now well established in his new and attractive store at I Park street.

JOTTINGS.

A feature of the wholesale stores and markets of this city is the neat and

—THE—

J.M. McCullough's Sons Co.,

Wholesale Commission Florists.

— CONSIGNMENTS SOLICITED. —

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES  
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Mention the American Florist when writing

## H. G. BERNING,

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

Mention the American Florist when writing

## C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

## WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Supplies and Everything in Season always on hand

## William Murphy,

Wholesale Commission

FLORIST

311 Main Street, CINCINNATI, OHIO.

careful way in which roses are handled and exposed for sale. They are arranged so that customers can see them, and, to use a homely phrase, are not "pawed" over by everybody.

H. M. Robinson & Co. have taken three more floors in the building they now occupy at 15 Province street. In addition to their cut flower business they are carrying a fine line of supplies, their upper floor being a workshop.

(OTHER BOSTON NOTES ON PAGE 822.)



# Your Decoration Day Order

Will be well taken care of if placed with us, and we can give you big value in

## Carnations, Peonies, Roses.

We will be pleased to quote you prices.

THE LEO NIESSEN CO., Business Hours: 7 a. m. to 8 p. m. Wholesale Florists, 1209 Arch Street, Philadelphia, Pa.

## Pittsburg Florists' Exchange

Wholesale Cut Flowers

Everything Seasonable

Headquarters for Ferns, Galax and Leucothoe, and carry a large supply of the best on hand at all times. We quote the following interesting prices on small or large quantities.



Ferns, fancy and daggers, \$1.50 per 1000  
Galax, green and bronze 65c per 1000.  
Leucothoe, green and bronze 65c per 100.



15 Diamond Square, PITTSBURG, PA.

PEONIES in any Color or Quantity.

JOHN W. MCINTYRE, Wholesale Florist, Specialties.

1601 Ranstead St., above Chestnut, Philadelphia. Phones Bell, Spruce 63 74 A. Keystone Race 20-42

Philadelphia.

PLENTY OF STOCK.

All prices are back to the season's level and perhaps a trifle below. Stock of all kinds is plentiful awaiting the commencements which start in next week and keep things a bit lively until the middle of June. American Beauties are seen in fine condition and as the prices are low, move very well. Eastern stock of this variety is particularly fine. White Killarney, Kaiserin and Bride appear to meet with about the same demand, the preference if anything being for Kaiserin. Special Killarney and My Maryland are seen with extra long stems. Peonies are coming in, large quantities of early red being offered last week, with an assortment of colors in the southern shipments. Sweet peas of good quality and variety sell very well; this is one of the most popular of the small flowers. Valley is again in good supply. Snapdragon is largely used in window decorations and sells well, the white, pink and yellow varieties being in good demand. One of the rose growers said of the month of May that it came very near to being third in point of money returns, as there were quantities of flowers which generally sold fairly well at fair prices.

### NOTES.

The Henry A. Dreer Co. is having a great run on pot roses. They are to be seen here by the thousands in almost endless variety. There is a large demand for those of the climbing or rambler class, which is becoming very popular. It will not be many years, Mr. Eisele thinks, before every house or cottage in the land will have its rose-covered porch or arched gateway of these fascinating varieties.

Robt. Craig says he finds it very difficult to get young stock of American Beauty roses. Several years ago this was a great center for these plants and thousands were shipped each season to other growers who desired to get the Philadelphia stock, but so many have given up its culture that there is scarcely enough young stock for the local planting.

OUR SUMMER CUT OF

## Beauties, Kaiserins, Killarneys

Is now on. This stock will please you.

McCALLUM CO.,

937 Liberty Ave. Pittsburg

## Pittsburgh Cut Flower Co.,

Wholesale Florists and Growers.

The House that has and sells good goods at fair prices.

Salesrooms, 222 Oliver Ave.

PITTSBURGH, PA.

## Bouquet Green

\$8.00 per 100 pounds.

HENRY M. ROBINSON & CO., 15 Province St., BOSTON, MASS.

## Wholesale Flower Markets

| PHILADELPHIA, May 18.     | Per 100     |
|---------------------------|-------------|
| Roses, Beauty, extra..... | 20 00@25 00 |
| first.....                | 10 00@15 00 |
| Brides and Maids.....     | 4 00@ 6 00  |
| Tea.....                  | 4 00@ 6 00  |
| extra.....                | 8 00@12 00  |
| Carnations.....           | 2 00@ 4 00  |
| Callas.....               | 8 00@10 00  |
| Cattleyas.....            | 40 00@50 00 |
| Lilium Harrisii.....      | 8 00@10 00  |
| Lily of the Valley.....   | 4 00@ 5 00  |
| Mignonette.....           | 3 00@ 4 00  |
| Snapdragons.....          | 8 00@12 00  |
| Sweet Peas.....           | 75@ 1 00    |
| Adiantum.....             | 75@ 1 00    |
| Asparagus..... per bunch  | 50          |
| Smilax.....               | 15 00@20 00 |

| PITTSBURG, May 18.                  | Per 100     |
|-------------------------------------|-------------|
| Roses, Beauty, special.....         | 15 00@20 00 |
| extra.....                          | 10 00@12 00 |
| No. 1.....                          | 4 00@ 6 00  |
| Bride, Bridesmaid.....              | 2 00@ 6 00  |
| Chatenay.....                       | 2 00@ 6 00  |
| Killarney.....                      | 2 00@ 6 00  |
| My Maryland.....                    | 2 00@ 6 00  |
| Richmond.....                       | 2 00@ 6 00  |
| Carnations.....                     | 1 50@ 3 00  |
| Callas.....                         | 8 00        |
| Cattleyas.....                      | 50 00@75 00 |
| Daffodils.....                      | 1 00@ 3 00  |
| Gardenias.....                      | 35 00@50 00 |
| Lilac, white..... per bunch,        | 1 00@1 50   |
| Lilium Longiflorum.....             | 6 00@ 8 00  |
| Lily of the Valley.....             | 4 00        |
| Mignonette.....                     | 4 00        |
| Pansies.....                        | 1 00        |
| Primroses.....                      | 50@ 75      |
| Sweet Peas.....                     | 50          |
| Adiantum.....                       | 1 50        |
| Asparagus Sprengeri..... per bunch, | 50          |
| strings..... per string,            | 50          |
| sprays..... per bunch,              | 50          |
| Smilax.....                         | 15 00       |

Quite a few of the orchid growers of this vicinity will attend the display in Boston next week. This exhibition, the first national affair of its kind, marks a new era and will give a great impetus to the growth of these high class beauties which are coming forward at such a rapid rate.

We made an error in giving the size of the new house of the Joseph

Heacock Co. It is 55x600 feet and Mr. Heacock says is well under way, and all the iron work finished. They expect to have it all planted by June 15.

Some of these days the sign may read George Faulkner & Son, Florists. The junior member arrived last Friday. George has had several busy days with his hand and phone gathering in the congratulations.

K.

### Three New Acacias.

The genus acacia has been enriched by three new forms that have been raised in the celebrated nurseries of M. Ludwig Winter, at Bordighera. These neat, free-flowering shrubs or small trees, will rightly become favorites in the garden as soon as they come into commerce. The plants begin to flower in the middle of December and onwards till the end of February, and are good for the decoration of greenhouses and winter gardens under glass, and for cutting. Mr. Winter is the possessor of quite extensive plantations of acacias on a sunny slope lying between Bordighera and Oepadelettir. The three plants are hybrids—the first acacias yet raised—and they indicate a new route, not hitherto trodden by the hybridist, but which promise many surprises. The seed parent of all three is A. Podalyriaefolia, crossed with A. dealbata, and is named A. x Hanburyana the cross of the second with A. pycnantha, is named A. x Siebertiana, after the director of the palm garden at Frankfurt-on-the-Main; and the third is A. x de Neufville after the manager-director of the same garden. All of these hybrids differ in some points from each other, in foliage, size of the individual flowers, and a little in the shade of yellow of the flowers.—Horticultural Trade Journal.

MILBROOK, N. Y.—W. C. Russell has started excavating for the cellar of the new greenhouse he is about to build.



**New York.**

PRICES GOOD.

Business was rather dull during the first part of last week, but it improved at the end, Saturday being a good day. A comparison with former years shows, however, that there is no grounds for complaint. Considering that it is now the middle of May, the leading stocks, such as roses and carnations, bring a good price. Roses, in proportion, are more plentiful than carnations. The price of special American Beauty has dropped to 15 and 20 cents, the arrivals being heavy. A large stock of outdoor lily of the valley tends to lower the price of the greenhouse product. A better quality of peonies is now arriving. There is no scarcity of any stock, but the market cleans up fairly well. The weather has been rather freaky and rather cool, but on the afternoon of May 14 the city was visited by a heavy thunderstorm, accompanied with wind. There will be plenty of stock for Memorial day, and if our patriotic neighbors of other cities fear a shortage they can be supplied by making their wants known.

May 16.—The condition of the market is fair this morning. Indications point to high prices for carnations for Memorial day. Sweet peas are a good proposition and selling fast. Iris, German and Spanish, is now reaching this market in quantity and selling well. A large stock of it is being handled by B. S. Slim, Jr., in the Coogan building, Twenty-sixth street and Sixth avenue. A noteworthy feature of the market is the continued popularity of pansies. Thousands of them are being sold, both cut and as basket plants.

## NOTES.

Max Schling, who for the past eight years has had a very successful retail business at 1002 Sixth avenue, will soon remove to 22 West Fifty-ninth street, next door to the Plaza hotel, where he has secured a long lease. In his present location Mr. Schling has won many friends by his business-like methods and fair dealing. There is no doubt that in his new location his business will be greatly increased, as it is a locality patronized by the best people of this city.

The Growers' Cut Flower Co. has removed from 39 to 41 West Twenty-eighth street, and Manager Coan is well pleased with the change, as business has improved. They are handling a fine stock of red gladioli that clean up quickly.

The Central Park Flower Market, which is conducted by Changuris Bros., has of late been doing a fine business and is becoming one of the noteworthy stores of that locality.

James Blauvelt, who for a number of years was connected with the retail trade of this city, is now with H. F. Littlefield, of Worcester, Mass.

The John Young Co., Bedford, is shipping to Traendly & Schenck a fine stock of special American Beauty roses.

The Kervan Co. has been very busy handling green and the rush will continue until Memorial day.

Mrs. Warendorff, whose serious illness was reported in last week's notes, is now much improved.

H. E. Froment is receiving the best line of peonies we have yet noticed.

**The Horticultural Society of New York.**

The annual meeting of the above society was held on Wednesday, May 11, at the Museum building, New York Botanical Garden. The annual report was read, showing a year of increased activity all along the line. Three exhibitions were given during the year, one in June, a large one last fall at the American Museum of Natural His-

tory, and one in March in conjunction with the American Rose Society. At the meeting just held the membership was increased by the election of 21 annual members and one life member. This makes a total net gain during the year of 40 members, three of which are life members. This advance is most encouraging, for if the society can have a large membership, its usefulness in the world of horticulture will be greatly increased. If each member will consider himself a committee of one to add one more member to the society, the desired result will soon be accomplished. At the annual meeting the officers and members of the council for the succeeding year are elected. The election just held resulted as follows:

Geo. T. Powell, president; N. L. Britton, T. A. Havemeyer, Patrick O'Mara, Samuel Thorne, James Wood, vice-presidents; George V. Nash, secretary; F. R. Newbold, treasurer. Council, elected members: F. L. Atkins, J. W. Cromwell, Henry F. Du Pont, Henry Hicks, John E. Lager, J. A. Manda, E. S. Miller, Clement Moore, W. Nilson, F. R. Pierson, I. L. Powell, E. H. Roehrs, H. H. Rusby, H. A. Siebrecht, E. B. Southwick, James Stuart, J. H. Troy, Robert Simpson, W. H. Waite, C. W. Ward, C. W. Weathered, A. L. Willis.

It was decided to hold a summer exhibition of plants and flowers at the New York Botanical Garden, on Saturday and Sunday, June 4 and 5. All are invited to make this exhibition attractive, whether members of the society or not, by sending in exhibits. An attractive schedule has been prepared. A copy of this will be sent to any one desiring it by addressing the secretary, George V. Nash, New York Botanical Garden, Bronx park, New York.

**Buffalo.****WEATHER HINDERS OUTDOOR WORK.**

The weather is extremely cold, consequently outdoor work is greatly retarded. The greenhouse men are far from amiable and no one can blame them. Flower beds in the small parks have tulips, hyacinths, etc., in them, but show the effect of the cold. May 1 found all the florists in their same locations, which is a good omen. They are doing well and do not wish to move. The stores all show prosperity and the quality of stock seen in them is excellent. Weddings scheduled for this month are not large, but June promises great activity and together with school commencements everyone should be busy. Carnations, roses and peas are plentiful with fair sale. Bargain roses were in evidence on Saturday, 50 cents the dozen in boxes, and found a ready sale.

## NOTES.

The last meeting of the Florists' Club was productive of two things. The paper on "Summer Roses" by C. F. Guenther and the awakening of the florists' employees who seem to want a fall show more than the proprietors. We hope their wishes will be realized. The cause is good, the attempt courageous after the past experience of the club and, if successful, will be an everlasting banner to place in the front of the procession with the slogan "Buffalo Means Business," but by all means have the committee look for the one thing—a first class show.

Frank Good is thinking seriously of purchasing property in Canada. If the price is not satisfactory will bring the best part to this city. New York is large, but small towns in Canada have great attractions.

Business was suspended in the city last Monday. The B. P. O. Elks had

a mortgage on the city and the ball team. We won and there were "some" flowers sold.

President Joseph Streit of the Florists' Club has selected his committees for the year and put good live ones on all. Wait and see what is booked for our annual picnic.

S. A. Anderson and wife are in Michigan on a fishing trip.

Robert A. Scott is slowly recovering from his injury.

BISON.

**Baltimore.**

The abnormal, low temperatures continue, there being three mornings last week when frosts occurred. On May 15 the mercury at no hour has reached 60°, and by midnight it has gone down to 40° and still falling. The danger line as to spring frosts has been fixed for years unequivocally passed on May 10, and the tenderest plants have always been set out with confidence after that date. Business is being affected, of course, by the cool weather. Bedding out is delayed, lawn parties and picnics are as yet things to be anticipated. May is not a notable month for weddings, but there have been more than usual this year, which made some demand for cut flowers, but the market may be marked as dull.

The campaign goes on with enthusiasm for beautifying the city by the improvement of the back yards by planting shrubbery, vines and flowering plants, and by the use of attractive window boxes. The Municipal art society has raised a home garden committee, districted the city and offers a number of prizes for back yards and window boxes, and the Evening Sun also offers prizes of \$20 for the back yard showing greatest improvement, and \$10 for the most attractive window box in each of six districts. In the back-yard contest the judges will decide on the improvement made in arrangement, cleanliness, concealment of unsightly objects with vines, shrubbery, tall plants, etc. Photographs "before and after" are to be taken. Window boxes are judged by general appearance, quality, and judgment of selection of contents. Professionals are not eligible, nor yards and boxes cared for by professionals. The suggestion is made that the children be interested in the work, as likely to result in producing home-beauty enthusiasts, whilst nothing makes more for health than working in the soil and outdoor exercise.

The park investigation proceeded last Tuesday, developing, according to the newspaper reports, some bouffe features. John W. Barton, who claimed having been in charge of a botanical garden in Italy for four years and worked in Fairmount park, Philadelphia, for two, was the chief witness, and he was lively in his criticism of the methods in vogue, and told the board members to their faces they were not competent, knowing something perhaps about buying corn and potatoes, but not about making purchases for the parks. He said Gen. Latrobe was "too full of gas and real estate to properly supervise the work in the parks." E. A. Seidewitz described the Sun as "a gardener of Pikesville"; said the Olmsteads are more of engineers than gardeners, and that the parks are not in as good condition now as when under the supervision of W. W. Crosby.

S. B.

WASHINGTON, D. C.—The Florists' Club held a regular meeting May 10 and discussed plans for an outing in July. The flower show to be held in November was the principal topic of the evening.



# Young & Nugent,

Telephone 2065-2066 Madison Square.

42 West 28th Street,  
To out-of-town florists

We are in the Heart of

And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

## New York

# Trade Directory

—OF THE—

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American Florist Co., 324 Dearborn St., Chicago

# Traendly & Schenck,

WHOLESALE FLORISTS,

131 & 133 WEST 28th ST.,  
Phones: 798 and 799.

NEW YORK

# Alexander J. Guttman, THE WHOLESALE FLORIST OF NEW YORK

34 WEST 28th STREET,

PHONES, 1664-1665 MADISON SQUARE

ENOUGH SAID.

# J. K. ALLEN,

Commission Dealer in Cut Flowers,

106 West 28th Street, Near 6th Ave. Elevated Station, NEW YORK

Established 1887.

Consignments of Cut Flowers handled to best advantage. Your business relations always appreciated.

Prompt returns. Weekly payments to all shippers.

Telephone 167-4468 Madison Square.

Open at 6 a. m. every day



Give us a  
Trial  
We can  
Please you.

Roses, Carnations and all kinds o.  
Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale  
Commission Florists.  
BUFFALO, N. Y.  
Florists' Supplies and Wire Designs.

## Wholesale Flower Markets

| NEW YORK, May 18.               |             |
|---------------------------------|-------------|
| Roses, Beauty, special.....     | 15 00@20 00 |
| extra and fancy.....            | 8 00@12 00  |
| No. 1.....                      | 6 00@ 8 00  |
| No. 2.....                      | 1 00@ 3 00  |
| Bride, Bridesmaid, special..... | 3 00@ 5 00  |
| extra and fancy.....            | 2 00@ 4 00  |
| Killarney, special.....         | 5 00@ 6 00  |
| extra and fancy.....            | 2 00@ 4 00  |
| No. 1 and No. 2.....            | 75@ 1 50    |
| My Maryland.....                | 2 00@ 6 00  |
| Richmond.....                   | 1 00@ 8 00  |
| Carnations.....                 | 1 00@ 3 00  |
| Callas.....per doz.....         | 75@ 1 00    |
| Cattleyas.....                  | 25 00@40 00 |
| Gardenias.....per doz.....      | 75@ 2 50    |
| Gladiolus.....                  | 50@ 3 00    |
| Lilium Longiflorum.....         | 2 00@ 4 00  |
| Lily of the Valley.....         | 1 00@ 2 00  |
| Mignonette.....per doz.....     | 20@ 50      |
| Peonies.....per doz.....        | 75@ 1 00    |
| Sweet Peas.....per doz. bunches | 75@1 25     |

| BUFFALO, May 18.             |             |
|------------------------------|-------------|
| Roses, Beauty, special.....  | 20 00@25 00 |
| fancy.....                   | 15 00@20 00 |
| extra.....                   | 10 00@15 00 |
| Bride, Maid, Killarney.....  | 8 00@10 00  |
| Carnations.....              | 1 50@ 3 00  |
| Callas.....                  | 8 00@12 00  |
| Daisies.....                 | 1 00@ 2 00  |
| Lilium Longiflorum.....      | 8 00@10 00  |
| Lily of the Valley.....      | 3 00@ 4 00  |
| Mignonette.....              | 1 00@ 3 00  |
| Sweet Peas.....              | 50@ 1 00    |
| Tulips.....                  | 1 00@ 2 50  |
| Adiantum Croweanum.....      | 1 25@ 1 50  |
| Asparagus Str.....           | 50@ 60      |
| Ferns.....                   | 2 50        |
| Galax. green and bronze..... | 1 50        |
| Smilax.....                  | 15 00@20 00 |

## ALFRED H. LANGJAHR

WHOLESALE FLORIST,

55 W. 28th Street, NEW YORK.

All flowers in season. Consignments of first-class stock solicited.

Phones 4626 and 4627 Madison Square.

## KESSLER BROS.

50 W. 28th St., NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS.

Phone 2336 Madison. Shipments Everywhere. Prompt and satisfactory. Consignments solicited.

KENNET SQUARE, PA.—Yeatman & Way will add one greenhouse, 60x200 feet, this season, King construction.

## Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 28th Street,

Telephone No. 756  
Madison Square.

NEW YORK.

Mention the American Florist when writing

## HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty. Roses, Violets, Carnations, Valley, Lilies, Etc.

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Telephones: 2200 and 2201 Madison Square.

Mention the American Florist when writing

## Walter F. Sheridan

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

131 & 133 West 28th St., NEW YORK.

Mention the American Florist when writing

—FLOWERS SHIPPED BY—

## JOHN I. RAYNOR

Are the best product of the best growers for the New York market.

Adiantum Croweanum sold here exclusively.

49 West 28th St., NEW YORK

Telephone 1998 Madison Square.

## M. C. FORD

Successor to FORD BROS.

Receivers and Shippers of FRESH FLOWERS.

121 West 28th St., NEW YORK.

Telephone 3870-3871 Madison Square.

## August Millang

WHOLESALE FLORIST

41 W. 28th St., NEW YORK

## N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.

Open for Cut Flower Sales at 6 o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

V. S. DORVAL, Secretary.

Ludington, Mich.

Wm. Gregory came here many years ago as a gardener and raised flowers outside for summer resorts, the winter leaving him without customers. But he stuck, commencing with a hotbed and now has over 15,000 square feet of glass, raising carnations, all kinds of bulbous stock, pot plants and one house of roses. The town now has a winter population of about 10,000: in the summer many more. Mr. Gregory's son makes use of his spare time gathering ferns and shipping them to Chicago. The firm name is now Wm. Gregory & Son. ABYDOS.

WINCHESTER, MASS.—Samuel W. Twombly died April 27. He was born in Tamworth, N. H., in 1822.



**50,000 Roses, 75,000 Carnations,  
35,000 Spirea, 35,000 Stocks.  
Bouquet Green, \$8 per 100 lbs.**



**New Crop Fancy and Dagger Ferns  
\$2.00 Per 1000.**



**BOSTON, MASS.**

**Henry M. Robinson & Co.**

**Wholesale Commission Florists,  
Hardy Cut Evergreens and Florists' Supplies.**

**Telephones** 2617-2618 Main.  
25290 Ft. Hill

**15 PROVINCE ST. and 9 CHAPMAN PL.**

**Southern Wild Smilax, extra fine quality Brilliant Bronze and Green  
Galax. Cut Boxwood Sprays Leucothoe Sprays, Laurel Wreaths,  
Laurel Festooning and Branch Laurel, Green and Sphagnum Moss.**

**Orders Placed With Us Means that You Can Depend on Them.**

**We Never Disappoint. Satisfaction Guaranteed.**

**George Cotsonas & Co.**

**Wholesale and Retail Dealers  
in all kinds of  
Evergreen**



**Fancy and Dagger  
Ferns Bronze and  
Green Galax.  
Phone 1202 Mad. Sq.**



**Main Store, 50 W. 28th St., NEW YORK.**

**—FOR SALE—**

**Fine Large Cape Jessamines  
(Gardenias)**

With beautiful foliage: two grades  
Stems from 8 to 12 inches ..... \$ 7.50 per 1000  
Stem from 12 to 18 inches, ..... 10.10 per 1000  
F. O. B. Alvin. Terms cash or C. O. D.

**MISS A. WASHINGTON, Alvin, Texas.**

**We Issue to Members a**

**CREDIT LIST**

With Quarterly Supplements. The list now contains between 7,000 and 8,000 names. Membership fee, \$10.00 including privilege of obtaining unlimited number of commercial ratings at cost.

We also collect accounts at standard rates.

**National Florists' Board of Trade, 56 Pine St., NEW YORK**

**Cadillac, Mich.**

J. P. Herzog has proved to the people here that a florist business in their town can be made a paying proposition. Mr. Herzog, an excellent grower as well as a business man, purchased a greenhouse plant here three years ago, and today he is the only florist in the town, owner of both the former plants and keeping some growers elsewhere busy supplying him with cut flowers. He has a large trade in neighboring towns.

ABYDOS.

**New Crop Ferns Now Ready, only \$1.75 per 1000.**

Let us have your orders now for **Memorial Day**, and you will be sure of the best to be had and at rock bottom prices.



**Telegraph office, New Salem,  
Mass. L. D. Phone, Connection.**

**Galax**, bronze or green, 75c per 1000.  
Special lot of **Bronze Galax**, at \$6.00 per case of 10,000. **SPHAGNUM MOSS**, 12-barrel bales for \$3.50. Nice stock. Try a bale. **GREEN MOSS**, \$1.25 per barrel.

Use our **LAUREL FESTOONING**, for decorations, 4c, 5c, and 6c per yard. Made fresh daily from the woods.

**SMILAX**, 50 lb. cases, \$6.00. **PINE**, 7c per lb.

Nice, large bunch of **Laurel Branches**, 35c. **Laurel and Pine**, wreaths, \$2.00 to \$3.00 per doz. **Boxwood**, \$15.00 per 100 lbs.

**Crowl Fern Co.,**

**Millington, Mass.**



**FANCY FERNS, \$2.00 per 1000**

**New Crop Galax**, Bronze or Green.....\$1.25 per 1000; 10,000, \$7.50  
**Sphagnum Moss**, large bales .....\$1.25; 6 bales, \$7.00. Extra fine  
**Leucothoe Sprays**, Green and Bronze.....\$1.00 per 100; \$7.50 per 1000  
**Boxwood**..... per bunch, 35c; 50-pound case, \$8.50

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

**MICHIGAN CUT FLOWER EXCHANGE, Inc.**

Wholesale Commission Florists and Florists' Supplies,

**38-40 Broadway,**

All phone connections.

**DETROIT, MICH.**

**Perpetuated and Natural Sheet**

**MOSSSES**

**New Crop Ferns, Fancy and Daggers  
NOW READY, Price \$1.25 per 1000.**

**E. A. BEAVEN,**

**Evergreen, Ala.**

**New Crop Ferns**

**FANCY and DAGGER** ready May 1st.  
Special price for large orders  
Price \$1.25 per 1000.

**CALDWELL THE WOODSMAN CO.,  
Evergreen, Alabama**



DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.

**Wittbold**  
FLORIST

739 Buckingham Place,  
L. D. Phone 558 Lake View.  
Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY.

Cincinnati, O.

**JULIUS BAER,**

138-140 E. Fourth St.  
Long Distance Phone.

New Orleans

CUT FLOWERS

For Tourists and General Trade.  
Wire or mail. Highest Grade Stock Only.

**URIAH J. VIRGIN,** —838—  
CANAL ST.

Savannah, Ga.

**JOHN WOLF,**

Wholesale and Retail  
FLORIST.

Kalamazoo and  
Battle Creek, Mich.

**H. A. FISHER CO.**

Wholesale and Retail Florists.  
We Handle Everything in Season.

Milwaukee, Wis.

**C. C. Pollworth Co.**

Will take proper  
care of your orders in **Wisconsin.**

Buffalo, Niagara Falls, Lockport.

**S. A. Anderson,**

440 Main St., Buffalo, N. Y.  
Mail, Telephone and Telegraph orders filled  
promptly with the choicest stock.

Washington, D. C.

**GEO. H. COOKE**  
FLORIST

Connecticut Avenue and L Street.

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D. C.

*Blackstone*

Also  
1601 Eutaw Place,  
Baltimore, Md.

14th and H Streets.

**Alexander McConnell,**

571 Fifth Ave., Windsor Arcade,  
NEW YORK CITY.

TELEGRAPH Orders forwarded to any  
part of the United States, Canada and  
all principal cities in Europe. Orders  
transferred or entrusted by the trade to  
our selection for delivery on steamships  
or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.  
Cable address: ALEXCONNELL  
Western Union Code.



FROM NEW YORK EXCEPT AS NOTED.  
May 24.  
Rotterdam, Holl.-Amer., 10 p. m., Hoboken  
Pier.  
Kronprinzessin Cecilie, N. Ger. Lloyd, 10 a.  
m., Hoboken Pier.  
FROM BOSTON, Saxonia, Cunard, 10 a. m.,  
Cunard Wharf, East Boston.  
May 25.  
Campania, Cunard, 9 a. m., Piers 54 and 56,  
North River.  
Bluecher, Ham.-Amer., 10 a. m., Hoboken  
Pier.  
May 26.  
La Lorraine, French, 10 a. m., Pier 42,  
North River.  
Prinz Friedrich Wilhelm, N. Ger. Lloyd,  
10 a. m., Hoboken Pier.  
May 27.  
FROM BOSTON, Numidian, Allan, 12 noon.  
FROM PHILADELPHIA, Marquette, Red  
Star, 10 a. m.  
May 28.  
Columbia, Anchor, 10 a. m., Pier 64, North  
River.  
St. Paul, American, 10 a. m., Pier 62, North  
River.  
Carmania, Cunard, 10 a. m., Piers 54 and 56,  
North River.  
Chicago, French, 10 a. m., Pier 84, North  
River.  
Mexico, French, Pier 84, North River.  
Deutschland, Ham.-Amer., 9 a. m., Hoboken  
Pier.  
FROM PHILADELPHIA, Merion, American,  
10 a. m., Pier 54.

Brooklyn, New York.

**“WILSON”**

3 and 5 Greene Ave. and 339 to 347 Greene Ave  
Greenhouses: Short Hills, N. J.  
— Deliveries in —  
NEW YORK, LONG ISLAND and NEW JERSEY.  
Mention the American Florist when writing

New York.

**MYER, FLORIST,**

609-611 Madison Ave.  
Phone 5297 Plaza.

Indianapolis, Ind.

**Bertermann Bros. Co.**  
FLORISTS

.....241 Massachusetts Ave.

**Gude's**

Omaha, Neb.

**Hess & Swoboda**  
FLORISTS.

1415 Farnum St. TELEPHONES  
1501 and L 1583

Denver, Colo.

**The Park**  
...Floral Co.

J. A. VALENTINE, President.

Washington, D. C.

**Geo. C. Shaffer,**

== FLORIST ==  
Phone 2416 Main 14th & Eye Sts., N. W  
Write, Telegraph or Telephone.

The Florists' Market Place,  
Our Ready Reference Ad. Dept



# DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

## Kansas City, Mo.

Geo. M. Kellogg Flower and Plant Co.,  
906 GRAND AVE.

KANSAS CITY and PLEASANT HILL, MO.  
Will fill all orders for Cut Flowers, Funerals, Designs, Wedding and Birthday Gifts that may be entrusted to them.

## Terre Haute, Ind.

John G. Heinel & Son,  
129 South Seventh St.

Telephone 247.

We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

## Pittsburg, Pa.

A. W. SMITH CO.

KEENAN BLDG.

Largest Floral Establishment in America  
Established 1874. Incorporated 1909.

## Rochester, N. Y.

J.B. KELLER SONS,

FLORISTS.

25 Clinton Avenue, N.

Rochester Phone 506. Long Dis. Bell Phone 2134

*M.A. Bowe*

IN HEART OF NEW YORK CITY

Phone 2270 38th St. 1294 Broadway  
Our Motto—THE GOLDEN RULE

## Anderson, S. C.

THE ANDERSON FLORAL CO.  
533 MARSHALL AVE.

### Boston Notes.

The A. T. Stearns Lumber Co. is getting busier as the building season opens. This firm is furnishing the material for two new vegetable houses for J. W. Stone, of Watertown. One of these will be 43x230 feet, the other 46x100 feet.

John Barr, of South Natick, who is represented in the market by his son, is showing fine carnation stock. Mr. Barr made a fine record as a private gardener and since he turned his hand to commercial work he is keeping it.

Albert Roper, of Tewksbury, is bringing in fine blooms of his carnation, Bay State. In this connection it may be noted that Fair Maid, his first noteworthy production, is yet a factor in this market.

The orchid show promises to be a great attraction for next week. The prize list is a very tempting one and cannot fail to bring together a magnificent collection of these plants.

The display of tulips in the public gardens and parks has been noteworthy this season. Old florists say that they have never seen it excelled.

Edward MacMulkin is now busy on landscape work, but his Boylston street store presents the same attractive appearance.

## New York.

Established 1874.

**DARDS**

N. E. Corner 44th St.  
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Kansas City.

PLENTY OF STOCK.

The market for the last week has been plentifully supplied with almost all kinds of flowers. Roses especially have been on hand in abundance. Bride, Bridesmaid, Richmond and Kaiserin have been of good quality and have sold well. Beauties have fallen off considerably on account of the dark weather, but a few days of sun will bring them out in quantity. Perle has stood up well with a ready demand for all grades. Peonies are arriving in large quantities, and are selling for three-four cents. The storage companies report an unusually large amount of this stock, which is being held for Memorial day. Gladioli have commenced to come in, but the supply is not large. Sweet peas are still in demand, with a large amount to select from. Carnations are decreasing rapidly and it is feared there will soon be a shortage, especially on May 30. The fancy fern which has been coming in has been very poor, sometimes half the boxes being unfit for use. The supply of orchids has been equal to the demand, but some florists state that their plants have about quit blooming. There are a great many Minnehaha roses being cut now. Although they are short they are of beautiful color and foliage.

### NOTES.

The Geo. M. Kellogg Cut Flower & Plant Co. has been cutting an immense amount of Kaiserin roses. They are exceptionally good, of long stem and good firm heads. Their Beauties have also been on hand in large numbers.

This month will long be remembered as one of the wettest and darkest in many years. There has been an almost constant fall of rain which in two weeks has amounted to nearly 10 inches.

Wm. Biederman has had a good plant trade the last few weeks which has kept all hands busy. He is talking of adding to his establishment at Thirty-fourth and Prospect streets.

Sam Murray reports a good business. He has been handling a large amount of stock lately which he has used in decorations and funeral work.

Roy Blessing, of the Rock Floral Co., had to resign his position on account of ill health. He has obtained an outdoor position which will help him to recover.

J. E. Meinhart, of Webb City, was in town May 14 looking up his old friends. He reports a good business at his new location.

Mrs. L. Fields has been cutting a fine lot of gladioli which have found a ready sale.

Visitors: M. Reukauf, of Bayersdorfer & Co., Philadelphia; — Cooper, with L. L. May & Co., St. Paul, Minn. MISSOURI.

## Cleveland, O.

The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in NORTHERN OHIO.

## Dayton, O.

**Matthews,**

—FLORIST—

16 W. 3rd Street.

Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones

Mention the American Florist when writing

## St. Paul, Minn.

**HOLM & OLSON,**  
**ST. PAUL**

The Leading Florists of the Northwest

Orders will be well cared for anywhere in MINNE-OTA AND THE DAKOTAS.

## Los Angeles, Calif.

**J. W. Wolfskill,**  
**FLORIST,**

Telegraph Orders  
A Specialty,

218 W. 4th St

## Toronto, Can.

Canada's best known and most reliable florist

Only  
the  
Best

**Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

## Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

**DANIELS & FISHER**

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

## Atlanta, Ga.

**Atlanta Floral Co.**

41 Peachtree Street.

## Pittsburg, Pa.

H. L. BLIND & BROS.,

Two Stores: Liberty Av. & 5th St., 5424 Center Av.  
Greenhouses: West View.

DAVENPORT, IA.—H. G. Pauli has bought H. B. Campbell's place and will take possession June 1. This place includes two and one-half acres of land, a 9-room dwelling and 70,000 square feet of glass. The greenhouses will be rebuilt and three new houses, 27x105 feet each, added. Garland gutters, Twentieth Century ventilators, 16x20 glass and cement benches and walks will be used, the John C. Moninger Co., Chicago, supplying the materials for the new houses. The purchase price of the Campbell place is said to be \$5,000.



# DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Kansas City, Mo.

**WILLIAM L. ROCK,**  
**Flower Co.,**

Will carefully execute orders for  
Kansas City and any town in

Missouri, Kansas or Oklahoma.

Mention the American Florist when writing

St. Louis, Mo,

Write, Wire or Phone Your Orders to

**YOUNGS**

1406 Olive Street,

Regular discount allowed on all orders, either  
Plants or Cut Flowers.

Phones Bell, Main 2306, Kinloch, Central 4981

Mention the American Florist when writing

New York.

Established 1849

**David Clarke's Sons**

**FLORAL DECORATORS**

2139-2141 Broadway

Telephones:  
1552-1553 Columbus.

Choice Cut Flowers

Lansing, Mich.

**Gurdon B. Smith**

Covers all Points in Michigan. Best of  
Shipping Facilities in all Directions.  
Always has the best of Everything.

Kansas City, Mo.

**Samuel Murray**

..... FLORIST .....

1017 Broadway

Coates House

Both Phones 2670 Main.

Write, Telephone  
or Telegraph,

All orders given prompt  
attention.

Louisville, Ky.

Established 1880.

**M. D. REIMERS**

Successor to Chas. W. Reimers.

..... 329 Fourth Avenue

St. Paul, Minn.

**L. L. MAY & CO.**

Order your flowers for delivery  
in this section from the

LEADING FLORISTS OF THE NORTHWEST.

San Francisco, Calif.

**J. B. BOLAND**

Successor to Sievers and Boland

**FLORIST**

60 KEARNEY STREET.

Detroit, Mich.

**John Breitmeyer's Sons**

Corner Miami and Gratiot Avenues.

**Artistic Designs.**

**High Grade Cut Blooms.**

We cover all Michigan points and good  
sections of Ohio, Indiana and Canada.

St. Louis.

TRADE SLOW.

The weather the past week has been cloudy and cool, raining almost daily, Spring seems to be late in coming and trade suffers considerably. The trees in the parks and boulevards in many instances bear a very sickly appearance. Stock is plentiful but the demand is slow. Carnations are plentiful especially Enchantress and the small Boston Market. American Beauties and other roses move slowly. The weather has cut off all summer garden business. Cape jasmines are in, but they seem to lack the sap and their keeping qualities are not equal to former years.

## NOTES.

The Florists' Club met Thursday at Odd Fellows' hall at 2 o'clock, 15 members being present, with President Geo. Windler in the chair. Owing to many members being busy planting out and unable to attend, many important measures were laid over to next meeting. The trustees at the next meeting were ordered to report in regard to the annual picnic to take place in July.

The Suburban Garden opened its doors last Sunday for the summer season. The floral decorations and the newly made sunken gardens are quite a feature. The design work has been by Alex Johnson, Wellston. Weather conditions, however, have greatly retarded the work.

C. Young & Sons Co.'s windows, together with their usual grand floral display, have been given a double attraction by some very pretty chickens, hatched by the Buckeye incubator and nursery, around a fine display of orchids, lily of the valley and other flowers.

The Paris Floral Co. will open up in the new LaSalle building, Broadway and Olive street. Fred Foster will be the manager. This is an A1 location, right in the heart of the business district.

H. J. Weber & Sons Nursery Co. will furnish the local representatives to the nurserymen's convention in June and will also try to bring the 1911 convention to our city.

Geo. Angermueller is handling orchids. These will be quite an addition to our rapidly growing wholesale market.

Some extra fine fancy Richmond roses were seen the past week at the W. C. Smith Wholesale Floral Co.

A fine lot of peonies, lily of the valley, etc., have been seen during the week at C. A. Kuehn's.

Otto Sander is still offering as a specialty his very pretty arranged one dollar box of flowers.

Visitor: Martin Reukauf, Philadelphia. W. F.

New York.

**A. J. Bunyard**

**FLORAL CO.**

We Guarantee Satisfaction

413 Madison Ave. cor. 48th St.



Albany, N. Y.

**EYRES,**

**Flowers or Design Work.**

Delivered in Albany and Vicinity on  
Telegraphic Order.

11 NORTH PEARL STREET.

Boston, Mass.

Send flower orders for delivery in

**Boston and all  
New England Points**

To THOS. F. GALVIN, Inc.,  
124 TREMONT ST.

THE J. M. GASSER COMPANY,

**CLEVELAND, O.**

We Cover All Points in Ohio.

Buffalo, N. Y.

**Palmer's** Flowers  
of Quality

W. J. Palmer & Son.

304 Main St.

Louisville, Ky.

**JACOB SCHULZ,**

550 So. Fourth Avenue.

Colorado Springs, Colo.

**FRANK F. CRUMP,**

Wholesale and Retail Florist.

MICHIGAN. Orders will be carefully  
cared for by

**HENRY SMITH,**

Wholesale and Retail Florist of GRAND RAPIDS

**GEO. A. HEINL,** Leading Florist,  
TOLEDO, OHIO.

All Orders Promptly Executed.



## The Seed Trade.

### American Seed Trade Association.

J. C. Robinson, Waterloo, Neb., Pres.; M. H. Duryea, New York, First Vice-Pres.; F. W. Bolgiano, Washington, D.C., Second Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.; Leonard H. Vaughan, Chicago, Asst. Sec'y. Twenty-eighth annual convention, at Atlantic City, N. J. June 21, 1910.

TURNIP SEED will be scarce.

CORN planting has begun in northern Illinois.

SEED CORN of medium types continues to sell well.

ONION SETS in and around Chicago are looking well.

VISITED WASHINGTON: Chas. P. Braslan and J. E. Northrup.

ONE French seed grower reports May 3 that Paris Golden celery plants were all destroyed.

ONION SEED will not be a big crop in California this season, is a prediction made by one California grower.

AT Amoy, China, whence Chinese narcissus bulbs are shipped, the bubonic plague was declared epidemic May 16.

CONRAD APPEL has exhibits of his grass seed and tree seed specialties at the Brussels and Allenstein expositions this season.

PUGET SOUND cabbage seed will be a short crop in common with those in Europe; two Washington growers verify this report.

MEMPHIS, TENN.—Otto Schwill & Co., are preparing to build a 5-story seed warehouse with improved cleaning machinery and latest appliances.

CHICAGO.—Contract prices on the board of trade May 18 for grass seed were noted as follows: Timothy, \$4.25, nominal. White clover, from 20 cents to 25 cents.

THE Dutch bulb displays in the stores next fall will probably bear this sign: "Ex-President Roosevelt personally inspected these bulbs in bloom at Haarlem, May 1, on behalf of American consumers."

A LONDON seed house reports the following beet seed crop percentages May 2: Egyptian, Crosby's, Dewing, Fireball, Dirego, Half Long and Globe, 20 per cent; Bassano, Columbia, Blood, Eclipse, Edmund's Lentz, and Long, 30 per cent.

## Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale  
Trade Only.

**SAN JOSE, CALIF.**

NEW YORK.—L. H. Archias, Sedalia, Mo., with his wife and two daughters, took passage on May 14 on the S. S. Konig Albert for Naples.—Carl Gloeckner's store ("Buds") is now fitted up in good shape, with all the appointments of a first-class seed store.

VISITED CHICAGO: Jesse E. Northrup and daughters, Minneapolis, Minn., returning from Europe; Chas. P. Braslan, San Jose, Calif., enroute to New York, sailing thence for Naples on the S. S. Princess Irene May 21; G. C. Eldering, representing W. J. Eldering & Son, Overveen, Haarlem, Holland; J. J. Van Waveren of L. Van Waveren & Co., Hillegom, Holland; Yost Sluis and P. Sluis, of Sluis Bros., Enkhuizen, Holland.

### Transparent Seed Packets.

At a recent meeting of the Wholesale Seedsmen's League, W. Atlee Burpee, chairman of the committee on postal affairs, concerning his recent interviews with the third assistant postmaster general, reported strongly in favor of the seed trade generally complying with rulings of the post office department as to using transparent paper. The third assistant postmaster general was most courteous and seemed disposed to be as liberal as possible in his interpretation of the word "transparent," in permitting the use of any paper that is not so opaque as to conceal character of contents of sealed packages. Quarts and pounds can be put up in opaque paper bags if only tied (not sealed) or in cartons, without sealing.

This ruling of the department is in no sense new, as the postal regulation under which it is made has stood for more than 20 years. Previously, however, the rulings have been only in individual cases and the subject has not before been made one of national scope.

[There has never been any claim that we have heard of that writing has been found in such packets in violation of the law. Why therefore the necessity for this drastic ruling?—Ed.]

### California Seed Crops.

Hollister, May 8.—Crops in the San Juan valley are looking well; in fact, we could not ask for anything much better. There have been a great many weeds this season and the expense of hoeing has been heavy, but now that the hoeing is done, the crops are coming along finely.

## Pieters-Wheeler Seed Company

HOLLISTER, CAL.

Growers of High Grade Seeds

Onion, Lettuce, Radish, Sweet Peas, Etc.  
CORRESPONDENCE SOLICITED.

Onion promises well and while there is a little mildew on this crop, it has done no harm here. Whether we shall escape cannot be told, however, as the foggy nights now prevalent are very favorable to this disease.

Radish is in good condition, but late here, as so much had to be resown on account of the cold weather. We do not anticipate any great surplus, but hope to have enough to fill orders for most leading varieties.

Lettuce looks very fine and we perhaps come nearer to being certain to have a crop of this staple than of any other thing we grow.

Sweet peas are a good stand and just coming into bloom. There should be plenty of the leading varieties.

Carrot, salsify and parsley are in good condition and promise good crops.

Reports from the bean growing section are favorable.

L. W. WHEELER.

### Bulb Classification Hearing.

A hearing was held May 5 before the board of United States general appraisers regarding the classification of certain hyacinth bulbs. The importers claimed that the bulbs were dutiable under paragraph 263, of the Payne-Aldrich tariff law as "all other bulbs, bulbous roots or corms which are cultivated for their flower or foliage" at 50 cents per 1,000. The government claimed that the bulbs were subject to duty under a provision of the same paragraph which provides for "hyacinth, astilbe, dielytra and lily of the valley clumps" at \$2.50 per 1,000.

The importers claimed that congress in construing the section of paragraph 263 providing for hyacinth, etc., at \$2.50 per 1,000 meant that the word clumps pertained to hyacinths, astilbe and dielytra as well as to lily of the valley. The government had a bulb grower from Holland and numerous dealers and growers from this country testify that no such thing as a hyacinth clump was known to the trade or ever imported.

The government claimed that the sprouted mother bulb, that is the large bulb with smaller bulbs growing thereon in places where cuts have been made, was not an article of commerce and therefore could not be what congress meant, because they would not presumably pass a law which provided for an article which was not bought and sold.

Prof. Corbett of the Department of Agriculture, testified that the government was conducting a station at Bellingham, Wash., for the purpose of raising and propagating hyacinths, and in his opinion the mother bulb was too delicate and required too careful handling to be imported. Both the government and the importers have handed in all their testimony and are awaiting the decision of the board.—New York Board of Commerce.

[The attempt of importers to force the above construction in the law, when the hyacinth bulb duty is already reasonable, does not seem creditable to plaintiffs and we do not believe will receive the support of the seedsmen or florists in good standing.—Ed.]

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WHOLESALE SEED GROWERS  
SAN FRANCISCO, CALIFORNIA





High-class Seeds, Bulbs, Plants, Shrubs and Nursery Stock.

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76 Barclay St., NEW YORK CITY

COLD STORAGE LILY OF THE VALLEY PIPS  
\$12.50 per 1000 in cases of 2000 only.  
Finest German, not Dutch grown. Ready now.  
For Fall Delivery 1910  
Our own imports from Japan.

|                                          |          |
|------------------------------------------|----------|
|                                          | Per 1000 |
| Lilium Longiflorum Multiflorum, 7-9..... | \$50 00  |
| Giganteum, 7-9.....                      | 65 10    |
| Formosum, 7-9.....                       | 65 00    |
| F. O. B. New York.                       |          |

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—\$2.00—

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Boston, England.

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**BURPEE'S SEEDS**  
**PHILADELPHIA**  
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**Growers for the Trade**

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**Wholesale Seed Grower**  
Specialties: Lettuce, Onion, Sweet Peas, Aster,  
Cosmos, Mignonette, Verbena, in variety.  
Correspondence solicited.

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Jackson, Mich.  
**CONTRACT SEED GROWERS,**  
Bean, Cucumber, Tomato, Pea, Muskmelon,  
Squash, Watermelon, Radish, Sweet Corn.  
Correspondence solicited.

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Wholesale growers of Sweet Peas,  
Tomatoes, Lima Beans, Lettuce, Asters,  
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GROWER and EXPORTER on the VERY LARGEST SCALE of all  
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**Specialties:** Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions,  
Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias,  
Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes,  
Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.  
**HENRY METTE'S TRIUMPH OF THE GIANT PANSIES,** (mixed), the most perfect and most  
beautiful in the world, \$5.00 per oz., \$1.50 per ¼-oz., 75c per 1-16 oz. postage paid. Cash with order.  
All seeds offered are grown under my personal supervision on my own vast grounds, and  
are warranted true to name, of strongest growth, finest stocks and best quality.  
**I ALSO GROW LARGELY SEEDS ON CONTRACT.**

**W.J.Eldering & Son**  
**WHOLESALE BULB GROWERS,**  
**Overveen, Haarlem, Holland.**  
**Headquarters for High Grade Hyacinths, Tulips, Narcissi.**  
**Quality With Fair Prices.**  
We ship first quality Holland Bulbs to the American Trade. That is the sole basis of  
the continuous and ever increasing patronage of the most critical, high-class American  
buyers, covering many years.  
Our Mr: G. C. Eldering is now at the Hotel Seville, Madison Ave. and  
29th St., New York, prepared to book orders for the best stocks at most  
reasonable figures, to the trade only.



## Market Gardeners

### Greenhouse Vegetable Growers and Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President;  
Franklin DeKleine, Grand Rapids, Mich.,  
Vice-President; S. W. Severance, 508 Illi-  
nois Life Building, Louisville, Ky., Sec-  
retary; M. L. Ruetenik, Cleveland, O., Treas.

### Making Bordeaux Mixture.

The following instructions as to the making of Bordeaux mixture for use as a fungicide are taken from a bulletin of the Ontario Department of Agriculture:

"The first thing to do in the manufacture of the Bordeaux mixture is to decide on some recommended formula. The formula which has long been advocated in Ontario is known as 4-4-40 formula. It is as follows: Crystallized copper sulphate (Blue-stone), four pounds; quick lime, four pounds; water, 40 gallons.

"With good lime it only needs about one pound to act on all the copper; the excess given, three pounds, covers all danger which might arise from the use of a poor article. A large excess of lime is a disadvantage; it causes the Bordeaux mixture to exert a low fungicidal action, it is apt to cause the machinery to clog and to cause an uneven application, and, the particles of lime offering more resistance to rain, will cause the mixture to be more rapidly washed from the trees. It may be an advantage, however, in a very wet season, by causing the Bordeaux to retain its efficiency longer and by allowing less injury to be done to foliage.

"As both copper sulphate and lime dissolve and slake, respectively, much quicker in hot water than cold, it is better to use heated water in order to save time. The best lime obtainable is used, and if freshly burned, all the better. In slaking do not use an excess of water, but just enough to keep the lime moist. When the action is completed enough water is added to make a thin whitewash and then the whole is strained through coarse sacking to remove any lumps which would clog the nozzle of the spray pump. This done, enough water is added to make the volume up to one-half of what the final mixture will amount to. The copper sulphate solution is diluted to the same extent. The two are now mixed, the operation being best performed by two men, each with a bucket, one handling the lime and the other the copper sulphate. They are poured into the spray tank, two bucketsful at a time, until the whole is brought together. In this way a precipitate is obtained which will remain in suspension with only occasional agitation. If mixing is done before dilution, a very coarse precipitate is formed which settles rapidly to the bottom of the spray tank and requires almost constant stirring.

"If large quantities of spray mixture are going to be used, it is an excellent plan to make up stock solutions of the copper and lime. This can be done by dissolving, say, one

pound of copper sulphate in each gallon of water and making up a barrel full of it. Each gallon of the solution taken then represents one pound of the bluestone. The salt can be conveniently dissolved by filling the barrel with water and then suspending it therein, enclosed in a canvas sack. The lime can be handled in the same way, being sure, of course, that the contents of the barrel are thoroughly stirred up before dipping out any portion. Keep the barrels covered when not in use.

### PRECAUTIONS TO BE USED IN MAKING.

Before Bordeaux mixture is sprayed, it is absolutely necessary that all copper should be in the form of the sky-blue precipitate, i. e., enough lime must be used to act on all the bluestone. Formulae advocated by the experiment stations always contain enough lime to precipitate all the copper, but it may sometimes happen that such a very poor quality is used that there will be some of the sulphate left unchanged. There are several simple ways by which one can tell when enough lime is present. Those who are very familiar with the reaction which occurs can tell by the color of the precipitate, it having a greenish tinge when an insufficiency of lime is present instead of the deep sky-blue color. However, those who are not familiar with the process must use more decided tests. Three simple ones can be employed, as follows:

(1) "Take some of the clear solution which is left on top when the sediment settles and place in a white saucer. Add a few drops of a solution of potassium ferrocyanide to it. If a reddish-brown precipitate or coloration appears, more lime is needed.

(2) "Take a portion of the clear fluid as before, and blow the breath gently over the surface. If a thin white pellicle or covering forms over the top, enough lime has been added.

(3) "Take a bright piece of steel. In handling copper solutions use only wooden, brass, and copper vessels; all other receptacles would be corroded and destroyed by them; besides, the fungicide itself would be injured. Copper compounds are poisonous and therefore should not be left lying around where children or animals can get at them.

"Bordeaux mixture is quite often combined with Paris green to impart to it an insecticidal value. In this case the mixture takes the place of water for holding the green in suspension. Other recommended arsenicals can be used for this also, such as lead arsenate and calcium arsenate. But if soluble compounds of arsenic are used, such as sodium arsenite, it would be necessary to slightly increase the amount of lime used in making the original Bordeaux mixture."

### Prices of Indoor Fruits and Vegetables.

New York, May 14.—Mushrooms, 35 cents to 45 cents per pound; cucumbers, \$1.12 to \$1.37 per dozen; lettuce, cold frame, 75 cents per dozen heads; tomatoes, 25 cents per pound; grapes, Hambros, \$1.40 per pound; Frankenthals, \$1.40 per pound; Gros Colman, \$1.25 per pound; Muscats, \$2.75 per pound; peaches, French grown, \$15 per dozen.

Chicago, May 18.—Mushrooms, 40 cents to 50 cents per pound; cucumbers \$1 to \$1.25 per dozen; leaf lettuce, 22-25 cents per box; head lettuce, Louisiana, \$1-\$1.25 per hamper; \$6½ barrel (sugar barrel size); radishes 25-30 cents per dozen.

## VEGETABLE PLANTS

|                                                                                                       | Per 100 | 1000   |
|-------------------------------------------------------------------------------------------------------|---------|--------|
| Beet Plants .....                                                                                     | \$0 20  | \$1 25 |
| Egg Plants .....                                                                                      | 40      | 2 00   |
| Pepper Plants, Bull Nose, Sweet Mountain and Ruby King.....                                           | 40      | 2 00   |
| Tomatoes, small plants, Earliana, Early Jewel Dwarf Stone and Champion, Ponderosa and Matchless. .... | 30      | 2 00   |
| Tomatoes, small plants Stone Paragon and Favorite and Success ....                                    | 20      | 1 00   |
| Cabbage, full list of leading varieties, 10,000 and over ...                                          | 20      | 1 00   |
| Lettuce, Grand Rapids, Big Boston, Boston Market and Tennis Ball ...                                  | 20      | 1 00   |
| — Cash with order. —                                                                                  |         |        |

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REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

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To ship a very large stock of **Early Cabbage** and **Tomatoes** of the best leading varieties at \$1.25 per 1000; honest count. **Sweet Potato Plants** ready May 7 at \$1.50 per 1000. **Celery** ready May 15, three varieties.

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Watch for our Trade Mark stamped on every brick of Lambert's

### Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

### Orange, N. J.

Dr. J. M. W. Kitchen of East Orange read a paper on the "Question of Heating for Orchid Culture" before the New Jersey Floricultural Society in Lindsley hall, 240 Main street, Friday, May 13. He recommended hot water as the best medium for heating and advised having plenty of radiating surface to prevent having the pipes so hot, which makes it more congenial for the orchids. A very interesting discussion followed in regard to time of shading. Dr. Kitchen said he shaded the latter part of January, and used white lead and kerosene for that purpose. J. A. Manda considered that time too early and said the latter end of March was time enough, and recommended crude oil and whitening as being the best material for shading and also the cheapest. John J. Dervan asked Dr. Kitchen what was the best thing to do to get rid of the cattleya fly. He replied by saying that he had tried all the different kinds of insecticides, but found he got the best results from strong fumigation with tobacco stems when the plants were not in flower.

The monthly exhibits for points were exceptionally fine and the competition very keen. Those who lead in the various classes at present are: Roses, A. B. Jenkins, gardener Albert F. Larson; carnations, Chas. A. Hathaway, gardener Max Schneider; vege-



Vaughan's

Lilium Harrisii.

**1911 Both Plants and Bulbs  
Carefully Selected.**

While we do not claim that our Harrisii are absolutely free from disease, or that every bulb will produce a perfect plant, we do claim that our growers' efforts in the way of spraying and roguing are producing results, our stock now being freer from disease than ever before and of genuine Harrisii type, in fact, the best general crop grown on the island of Bermuda.

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ONE-HALF CAR OF

## Calla Bulbs

Ready end of July.

Write for prices.

Berrydale Experiment Gardens, Holland, Mich.  
Mention the American Florist when writing

tables, A. C. Von Gaasbeck, gardener John J. Dervan; foliage and flowering plants, I. M. and A. Colgate, gardener William Reid. The following are the awards of the judges:

Roses, Albert F. Larson, 90 points; John J. Dervan, 90; Frank Drew, 85; William Reid, 70. Carnations, Max Schneider, 80; John J. Dervan, 75; William Reid, 70. Flowering plant, John J. Dervan, 85; William Reid, 75. Foliage plant, William Reid, 90. Collection vegetables, John J. Dervan, 90. Lager & Hurrell, Cattleya Mossiae, 80.

Certificates were awarded for the following exhibits not in competition for points: Max Schneider, cineraria, Carnation Victory; rhubarb and lettuce. John J. Dervan, calceolarias, cultural certificate; Albert F. Larson, roses, cultural certificate. Fritz Berglund, gardener for the Essex County Country Club, showed a nice vase of Canterbury bells. Albert F. Larson received a first class certificate for a vase of a scarlet seedling carnation. John J. Dervan will read an essay on "Growing Roses Under Glass" at our next meeting.

WM. REID, Sec'y.

## French Bulbs, Immortelles White Roman Hyacinths

**NARCISSI**—Paper White, Grandiflora and Trumpet Major.

**True FREESIA REFRACTA ALBA**, and all other bulbs for forcing.

**ONE OF THE LARGE STEUR OPEAN DEALERS IN IMMORTELLES OF  
ALL COLORS, AT WHOLESALE ONLY.**

This is the right time to request quotations.

Orders should not be placed until you see my figures.

Agent wanted for above lines. Send full particulars to

**ALPHONSE ROCHE, Ollioules, [var.] France**

WATERBURY, VT.—A. L. Crossett is planning to enlarge his greenhouse plant during the coming summer.

SIoux CITY, IA.—Walter S. Rennison and mother have returned from California, where they spent the winter.



## The Nursery Trade

### American Association of Nurserymen.

F. H. Stannard, Ottawa, Kans., President;  
W. P. Stark, Louisiana, Mo., Vice-President;  
John Hall, Rochester, N. Y., Sec'y.  
Thirty-fifth annual convention to be held  
at Denver, Colo., June 8-10, 1910.

VISITED CHICAGO: Henry Kallen, representing Kallen & Lunnemann, Boskoop, Holland.

WASHINGTON, D. C.—Secretary Dickenson, of the park commission, has appointed George E. Burnap, of New York, landscape architect to succeed George H. Brown, deceased.

AUGUST WOLF, 225 Hutton building, Spokane, Wash., writes as follows: "Reports from nurseries and growers are that between 4,000,000 and 5,000,000 one and two-year fruit trees will be planted in the four states and provinces of the Pacific northwest before the close of 1910. This means that more than 50,000 acres of land will be added to the area already under cultivation, thus giving a total of 400,000 acres in fruit in 1915." We have seen good fruit going to waste because it would not pay for picking.

### Lilacs at Rochester, N. Y.

Sunday, May 15, was Lilac Sunday. In the number of people that visited the park during the entire day all records were surpassed. The procession commenced at six o'clock in the morning and it was kept up until eight o'clock at night. From two o'clock in the afternoon until six o'clock at night dense crowds of people moved through the lilacs and other parts of the park. It was estimated that 50,000 people visited the park during the entire day and that perhaps was conservative. The lilacs were not fully in bloom, but they were in condition to be studied to the best advantage and the 206 species and varieties presented a scene of extraordinary brilliancy, which undoubtedly could not be equalled in any other municipal park in the world.

Late blooming tulips and narcissi, groups of tufted perennials, hardy primroses, pansies, Japanese, Chinese and Siberian crab apples, red-buds, spireas, bush honeysuckles and Chinese pearl bush, were some of the other principal things in bloom. A noticeable feature was the excellent behavior of the immense crowds of people. Nothing was injured and the people were supremely happy. It really seemed that the people had gone to worship peacefully at Flora's shrine, and no finer tribute could be paid to American democracy. A full account of the varieties of lilacs appears on page 806 of this issue.

### American Association of Nurserymen.

In our issue of May 14, page 782, we gave particulars of the arrangements for the convention of the American Association of Nurserymen, which promises to be a more than usually interesting and enjoyable one. The programme of addresses and papers is given herewith:

Address of Welcome—Col. J. S. Irby, representing the city of Denver.

## ROSES Our Leading Specialty

Also Azaleas, Rhododendrons, Conifers, Fancy Clipped Boxwoods, Forest and Fruit Trees, Hedge Plants, Etc.  
Ask for Wholesale Price Lists.

S. A. VOSTERS & SONS,

RIEL, HOLLAND.

## A GOOD INVESTMENT

Evansville, Ind., Feb. 18, 1910.  
AMERICAN FLORIST Co.  
Chicago.

DEAR SIR:—I am using your Trade Directory and out of 4000 nurserymen we circularized only two circulars came back. I am enclosing these names as you may want to make the changes.

A. J. LOCKYEAR.  
New Edition Now Ready—Price \$3.00.

## JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture

Response—Capt. C. L. Watrous of Des Moines, Ia.

President's address—F. H. Stannard, Ottawa, Kans.

Report of Secretary—John Hall, Rochester, N. Y.

Report of Treasurer—C. L. Yates, Rochester, N. Y.

Report of Tariff Committee—Irving Rouse, Rochester, N. Y.

Report of Transportation Committee—W. P. Stark, Louisiana, Mo.

Report of Legislative Committee—Chas. J. Brown, Rochester, N. Y.

Report of Entertainment Committee—F. A. Weber, Nursery, Mo.

Report of Publicity Committee—Thos. B. Meehan, Dresher, Pa.

Report of Committee on Exhibits—E. P. Bernardin, Parsons, Kans.

Report of Forestry Committee—C. M. Hobbs, Bridgeport, Ind.

Report of National Council of Horticulture—Capt. C. L. Watrous, Des Moines, Ia.

"Publicity Campaigns on Part of Nurserymen"—J. M. Irvine, St. Joseph, Mo.

"Orchard Pests Still Unknown to the Colorado Fruit Grower"—Prof. G. P. Gillette, Ft. Collins, Colo.

"Co-operation Between Nurserymen and Fruit Grower"—W. L. Howard, secretary Missouri State Board of Horticulture.

"Practical Experiment with Root Gall on Apple Trees"—Vice President E. A. Smith, Lake City, Minn.

"Transplanted Raspberries for the Retail Trade"—W. N. Scarff, New Carlisle, O.

"Should a Young Man Choose the Nursery Business for a Vocation?"—A. Willis, Ottawa, Kans.

"Observations upon European Nursery Stock and Plant Growing Methods" (illustrated by lantern slides)—Prof. Craig, Ithaca, N. Y.

"The Part Nurserymen Have Taken in the Growth and Development of the Nation"—J. B. Morey, Dansville, N. Y.

"Herbaceous Plants"—C. S. Harri-son, York, Neb.

## When Traveling in Europe

Do not forget to inspect our nurseries. We grow immense quantities of Rhododendrons, Azaleas, Magnolias, Boxwood, Conifers, Pot-grown plants for forcing, Lily of the Valley, Evergreens, etc. of high grade and quality. Our nurseries are on sandy soil from which trees transplant readily. From Amsterdam to our nurseries it is only 25 minutes by rail and a train runs every hour.

Catalogue Free on Application.

## JACS SMITS & CO.,

Naarden, Holland.

Long Distance Phone, Bussum 33.  
Cable Address, Smits-Naarden.



## Phoenix Nursery Company

Nurserymen and Florists  
BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for spring issued Feb. 1st.

"Magnifying Our Craft"—E. W. Kirkpatrick, McKinney, Tex.

"A Study of the Nursery Lands of the United States"—W. H. Stark, Louisiana, Mo.

"The Commercial Side of the Nursery Business"—H. W. Marshall, Arlington, Neb.

"Effects of Tree Planting in the Middle West"—Geo. H. Whiting, Yankton, S. D.

"Resultant Evils of Replace Policy"—J. W. Mayhew, Waxahachie, Tex.





## Arbor Vitæ

(Thuja Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.  
Write for descriptions and prices.

The Wm. H. Moon Co.,  
MORRISVILLE, PA.

## DAHLIAS

Jack Rose and other best Cut Flower varieties. Write for list and prices.

### PEACOCK DAHLIA FARMS

Williamstown Junction, N. J.

## LARGE TREES

OAKS and MAPLES  
Pines and Hemlocks

### ANDORRA NURSERIES.

Wm. Warner Harper, Prop.  
Chestnut Hill, PHILA., PA.

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### PAINESVILLE NURSERIES.

CATALOGUES AND PRICE LISTS  
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Landscape Architect.

Phone Barclay 6084—229 Broadway, New York  
Designs, Estimates, Construction of Grounds.

"Crown Gall and its Effect on Orchard Trees"—Peter Youngers, Geneva, Neb.

"Is the Organization Known as the American Association of Nurserymen a Benefit to the Nursery Business?"—E. M. Sherman, Charles City, Ia.

"Nurseryman's Peach Seed Supply"—C. C. Mayhew, Sherman, Tex.

"Soils and Fertilizers"—F. L. Rounsvel, Denver, Colo.

### Railway Gives Away Trees.

The Detroit & Mackinac Railway Company has for the last five years experimented with a forestry nursery on its Tawas Beach property. At the present time there are on hand trees of the following kinds for transplanting: White pine, Scotch pine, western yellow pine, spruce and western white cedar. The company desires to dispose of these trees, and will give them to parties who will plant them and see that they are properly taken care of. The only charge made will be the expense of packing and freight charges from East Tawas to destination. The company especially requests that farmers on and adjacent to the line of the Detroit & Mackinac Railway make requisitions for these trees, for the purpose of setting them out for reforesting some of the lands that they have cut over on their farms.

READING, PA.—Herman Stebenow has been granted a permit to erect a greenhouse 20x100 feet at Twelfth and Exeter streets.

PEORIA, ILL.—Frank E. Rue opened a cut flower department May 9 in his seed store at 420 South Adams street. F. Nichols, who had the store in the Fey hotel, is in charge.

## Boddington's Quality Gladioli

Gladioli planted the end of May and in early June will flower after the regular crop and before the early planted stock; so if you are wise try some of the following NOW:

Remember you may deduct 5% if cash accompanies order.

|                                                                                                                                                                                                                                                                             | Per 100      | 1000   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------|
| America. This beautiful new Gladiolus has produced as great a sensation as the now famous Princeps. The flowers, which are of immense size, are of the most beautiful flesh pink color, and, as a florist who saw it said, it is "fine enough for a bride's bouquet." ..... | 40c per doz. | \$3 25 |
| Boddington's White and light. Extra selected bulbs, 1 3/4 inches and up. .....                                                                                                                                                                                              | 1 25         | 10 00  |
| 1900. Nothing finer for florists' use. Flower is of a rich shade of red with very prominent white spots on three lower petals .....                                                                                                                                         | 1 75         | 16 50  |
| Mrs. Francis King. Color of flower is a light scarlet of a pleasing shade. .....                                                                                                                                                                                            | 3 50         | 34 00  |
| Groff's Hybrids (riginator's strain). Extra selected .....                                                                                                                                                                                                                  | 1 25         | 10 00  |
| Shakespeare. White and rose .....                                                                                                                                                                                                                                           | 4 75         | 45 00  |
| May. Pure white flaked rosy crimson, the best forcer, selected bulbs .....                                                                                                                                                                                                  | 1 75         | 16 00  |
| Brenchleyensis (true). Fiery scarlet. First size bulbs .....                                                                                                                                                                                                                | 1 00         | 9 00   |
| American Hybrids. A mixture of the choicest varieties of Gladiolus in equal proportion, very fine .....                                                                                                                                                                     | 1 00         | 9 00   |
| Pink and Rose Shades .....                                                                                                                                                                                                                                                  | 1 50         | 14 00  |
| Scarlet and Red Shades .....                                                                                                                                                                                                                                                | 1 50         | 12 00  |
| Lemoine's Hybrids .....                                                                                                                                                                                                                                                     | 1 50         | 12 00  |
| Finest All Colors Mixed .....                                                                                                                                                                                                                                               | 75           | 7 00   |

## ARTHUR T. BODDINGTON,

Seedsman, 342 W. 14th St., NEW YORK

## Roses! Roses!

We offer for immediate delivery the following Roses on own roots, dormant, field-grown plants, first-class in every way:

|                            |           |
|----------------------------|-----------|
| 1000 Helen Gould, Balduin, | 12 cents. |
| 300 Pink Baby Ramblers,    | 12 cents. |
| 500 Newport Fairy, - -     | 12 cents. |
| 1000 Dorothy Perkins, - -  | 12 cents. |
| 2000 Tausendschon, - -     | 20 cents. |

Also a limited number of dormant, field-grown plants, own roots of the following Roses at 12 cents each; Sweetheart, Trier, Lady Gay, La Flamma, Taurus Blumchen, Debutante, Hlawatha.

|                                                          |           |
|----------------------------------------------------------|-----------|
| Clematis Paniculata, field-grown, 1 yr.                  | 5 cents.  |
| Clematis Paniculata, field-grown, 2 yr.                  | 8 cents.  |
| Hydrangea Paniculata Grandiflora, 18 to 24 in.           | 6 cents.  |
| Hydrangea Paniculata Grandiflora, 2 to 3 ft              | 9 cents.  |
| Viburnum Plicatum, 2 to 3 ft.                            | 12 cents. |
| Chinese Sacred Lilies, \$3.00 per 100; \$25.00 per 1000. |           |

Guide To Rose Culture As a work of reference, this book is almost indispensable and was produced at a cost of \$10,000. FREE to all who ask for it. Write to-day.

The DINGEE & CONARD CO., West Grove, Pa.

## A BLUE ROSE

The Greatest  
Rose Novelty  
of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.





ASPARAGUS SPRENGERI.

# Asparagus

## ASPARAGUS PLUMOSUS NANUS

We handle this Asparagus both in seed and plants of all sizes, in very large quantities and make very close prices on larger amounts on application. Our seed is pure, fresh, of best germinating quality and vitality.

### Northern Greenhouse Grown Seed.

Per 100 seeds, 60c; 250 seeds, \$1.25; 1000 seeds, \$4.00; 5000 seeds at \$3.50 per thousand.

**SPRENGERI** 100 seeds, 15c; 250 seeds, 25c; 1000 seeds, 75c; 5000 seeds \$3.25.

**Starting Asparagus Plumosus Nanus Seed.** This seed may be sown at any time of the year, but April or May is the natural time. Bottom heat is of great advantage. If soaked four days, and given good bottom heat, say 70 degrees, the plants can be sprouted in 25 days and transplanted 25 days later.



SINGLE SPRAY ASPARAGUS PLUMOSUS NANUS.

**Vaughan's Seed Store,** 84-86 Randolph St., CHICAGO.  
25 Barclay St., NEW YORK.

## Neph. Whitmani

2 1/4-in ..... 5.00 per 100  
MAGNIFICA (new), 2 1/4-in... 25.00 per 100

**Boston Ferns** 2 1/4-inch,  
\$3.00 per 100.

Henry H. Barrows & Son, Whitman, Mass.

Mention the American Florist when writing

Worcester, Mass.

Business has been very good since Easter and the prospects are excellent for Memorial day with a probable scarcity of flowers on account of the early spring; the outdoor flowers, such as lilac, exochorda, etc., which helped out in bouquet making will be gone with little or nothing to take their place.

The first of the May exhibitions of the Worcester County Horticultural Society, was held at Horticultural Hall, May 5, and brought out some fine flowers and one of the best showings of rhubarb ever shown in the hall. The flowers were not as numerous as was desired but those shown were very good. The display of pansies grown by Geo. McWilliam of Whitinsville was a feature of the show. Each flower was as big as a dollar with quite a number of distinct colors from almost black to pure white. Allyne W. Hixon also showed a nice lot of pansies grown in the open all winter without any protection, as were Mr. McWilliam's. In the cut flower class, roses, carnations, spirea, marguerites, lilies, ramblers and heliotrope were shown by L. C. Midgley. The awards were:

Cut flowers.—L. C. Midgley, first; Allyne W. Hixon, second; Mrs. A. E. Underwood, third; Mrs. Simon E. Fisher, fourth.

Basket.—Allyne W. Hixon, first; Walter Draper, second.

Pelargoniums.—Mrs. A. E. Underwood, first. Hyacinths.—Mrs. Percy G. Forbes, first.

Prizes were awarded to Allyne W. Hixon and Mrs. F. W. Hixon for display of pansies, and Mrs. Thos. Pollard for English wall-flower.

Albert H. and Carl C. Lange moved into their new store, 371-73 Main street, May 3. Both members of the firm were busy receiving their friends and showing them about a store that

## A Rose for Every Greenhouse

### GRAFTED ROSES

Brides, Bridesmaids, La France, Kaiserin,  
3 1/2-in. pots, \$15.00 per 100.

### OWN ROOT ROSES

Richmond, American-Beauty. Bride, Bridesmaid,  
3-inch pots ..... \$ 9 00 per 100 3-inch pots..... \$ 7 00 per 100

40 000 Verbena Plants, 2 1/4-inch pots  
\$20.00 per 1000.

J. L. DILLON,

Bloomsburg, Pa.

is remarkable for the conveniences that have been installed. It is one of the finest florists' stores in New England. Every table, every stand and every case has its particular duty and is so arranged as to be adjusted to other positions in the store. The designing of the place was done by A. H. Lange, the architecture by Frederick Coulson and the work by Thomas & Co. The pictures are all of quartered oak and furnish a splendid background. Some of the up-to-date fixtures of the store which are especially noticeable are the specially designed refrigerators. One of these is designed for carnations and has movable glass shelves so that flowers of any height may be accommodated. There are cases designed for the keeping of ribbon, cords and tassels on the same side of the store. The other side is occupied with plant stands of peculiar construction. These stands are connected with a sink so that the water is immediately disposed of after all plants have been watered for the day. Another innovation is the absence of the long counter that is generally deemed a feature of all stores. In its place there are specially constructed tables made in such a way that they can be put together if a counter is needed, or separated when a special display is desired in any part of the store. Upright cases or cabinets containing baskets that are novelties are the product of arts and crafts workers. Other bas-

kets of the Pocahontas order are suspended from the balcony rail and the balcony itself is used for the display of palms, ferns and potted plants. Novel Swiss flower holders for table decoration are shown on one of the tables. These holders come in sections and are thus available for either large or small table decorations. By using only a few of the sections together a small decoration is obtainable, while by the insertion of more pieces the decoration may be extended to any size table necessary and different forms may be used. It is not in the display room that adaptability and convenience are to be specially noticed but in the workroom of the store itself. A large chute beneath the worktable disposes of all refuse and the table itself is fully equipped with everything necessary for the workman. The offices are well equipped and the store has exceptionally large windows, constructed so they can be built up to any form and design for special displays. The firm has been in business for 42 years in Worcester, 20 of which it was at 294 Main street.

R.

CORNWALL, CONN.—J. E. Calhoun is preparing to build a new greenhouse.

ROCKVILLE, CONN.—Wm. Moran, formerly with Thomas F. Galvin of Boston, Mass., is now in the employ of the Rockville Floral Co.



# Winterson's

45-47-49 Wabash Ave.

**CHICAGO**

Long Distance Phone  
Central 6004.

We are headquarters for

**Bedding Plants**

— FOR —

**Decoration Day**

We have a large stock in bud and bloom. We ship direct from greenhouses. **WRITE FOR PRICES.** Cash from unknown parties.

## Mr. Florist:

Do you grow 'Mums, and do you still grow Ivory for your home trade? If so, how would you like a **Yellow Ivory**? I have it. It's a true sport exactly like its parent in all but color.

I can quote you immediate delivery on 2½-inch pot plants at **\$2.00** per dozen; **\$15.00** per 100; **\$125.00** per 1000.

**CHARLES H. TOTTY,**

**MADISON, N. J.**

Indianapolis.

John Bertermann moved during the past week to his country home for the summer. At this place he will entertain one of his daughters and her husband, Arthur Hotchkiss, who are coming to spend the summer with him. Bertermann has erected a garage on his farm for his newly acquired automobile.

Bedding and window box work is now in full sway, the weather having finally become more settled. Peonies will be on time for Memorial day this year, and may come on a little ahead of time. The outdoor lily of the valley seems to have become disgusted with the cold weather and stopped blooming.

Irwin Bertermann sold his residence at a profit and is now looking for an up-town location.

Lester Benson has lined the sidewalk for a square in front of his store with bay trees.

Smith & Young Co. are just com-

# "He's Coming Back"

**WHO'S COMING BACK?**

The man who bought those dormant  
Canna Roots by the carload.

Yes, he's coming back for

**Vaughan's  
Canna Plants**

**AT WESTERN SPRINGS**

**True to Name and Right**

**Not "Near Right."**

Many people can tell **true Canna stock** by careful examination of the flowers when they bloom.

For Canna Plants write

**VAUGHAN'S SEED STORE,**  
P. O. Drawer V, **Chicago**

## Maids and Brides

**One Year Old Grafted Bench Plants**

Fine plants for out-door planting or replanting in the benches, cut back to about 18-inches; per 100, \$5.00.

**Carnation O. P. Bassett**

From soil. R. C., \$6.00 per 100.

**Bassett & Washburn,**

Office and Store,  
76 Wabash Ave., CHICAGO  
Greenhouses, Hinsdale, Ill.

## Geraniums

Mme. Sallerioi, 3-in.....\$4.00 per 100

**Grand Rapids Greenhouse Co.,**

**Grand Rapids, Mich.**

pleting a new greenhouse to be used for Sprenger.

This week a camel posing as "Murat Mascot" is enduring the hot sands at Bertermann's.

Herman Junge took last week off and went fishing in the creek at Cumberland.

John Rieman is now living in his new house on Washington boulevard. Roepke-Rieman Co. had a busy week setting out carnations.

Fachman has completed his spring vase work and is glad of it.

Alfred Warner is now working for Wiegands.

A. W. B.



# Geraniums

Rooted Cuttings. Ricard, Poitevine and S. A. Nutt, at \$10.00 per 1000. Delivery made any time wanted. Let me book your order, or send for sample and see the class of stock I send out.

## HARDY PHLOX

Rooted cuttings, free by mail, at \$1.25 per 100. Mixed varieties, all of them good ones.

## Smilax and Sprengerii

Good stock. Let me send you a sample.  
Smilax.....\$12.50 per 1000  
Sprengerii.....15.00 per 1000

ALBERT M. HERR, Lancaster, Pa.

# A New Fern NEPHROLEPIS GIATRASH

Awarded a Certificate of Merit by the Horticultural Society of New York.

Prices: In 2 1/4-inch pots, \$3.50 per dozen; \$25.00 per 100; \$200.00 per 1000. 25 plants at 100 rates; 500 plants at 1000 rates. Orders delivered in rotation as received. Now Ready for delivery,

GEORGE GIATRASH,  
463 Summit Ave., West Hoboken, N. J.

Mention the American Florist when writing

# Vinca Var. R. C. \$8.00 per 100.

Sweet Williams, \$3.00 per 1000; Asters, white, \$3.00 per 1000; Feverfew, 2-in. 2c; Dusty Miller, 2-in., 1 1/2c; Petunias, double, 2-in., 2c; Alternantheras, red and yellow, 2-in., 2c; Cuphea, 2-in., \$1.50 per 100; Stock, Alice and nice, 2-in. \$1.50 per 100; Coleus, 2-in. \$1.50 per 100; Maurandia, 2-in., \$1.50 per 100; Thunbergia, 2-in. \$1.50 per 100; Vinca var. 2-in., \$2.00 per 100; Ageratum, Gurney, 2-in., 1 1/2c.

ROOTED CUTTINGS, prepaid: Heliotrope, \$1.00 per 100; Paris Daisy, yellow, white, \$1.00 per 100; Cuphea, 75c per 100; Vinca Variegata, 90c per 100, \$8.00 per 1000, extra fine; Coleus, 10 kinds, 60c per 100, \$5.00 per 1000; Alternanthera, red, 50c per 100, \$4.50 per 1000; Ageratum, 3 kinds 60c per 100; Swainsona alba, \$1.00 per 100; Dbl. Petunias, 10 kinds, \$1.00. Cash with order.

BYER BROS., Chambersburg, Pa.

## Chicago Notes.

Preservation of Peterson woods, the only original piece of forest in this city or immediate vicinity, is the aim of Robert McCormick, president of the sanitary district. He has the support of the special parks commission which voted to refer a letter from Mr. McCormick to the city council with a recommendation that it take action to make a park district of Jefferson Park, which includes Peterson woods.

A conference of the Illinois Outdoor Improvement Association will be held at Springfield, May 26 and 27. The speakers include Governor Deneen, Dean Davenport, of the Illinois College of Agriculture, O. C. Simonds and Jens Jensen. The St. Nicholas hotel will be headquarters. Secretary A. P. Wyman, 17 E. Van Buren street, will be pleased to hear from those who expect to attend.

G. M. Reburn, representing Vaughan's Seed Store, has returned from his western trip.

Visitors: C. A. Brazee, Wilmington, Calif.; Frank S. Bayhouse, of Boise City, Idaho; J. L. Johnson, De Kalb; W. Wichtendahl, Maywood; Harry Fisher, Kalamazoo, Mich.; A. C. Brown, Springfield; John Bertermann, Indianapolis.

# Florists' 'Mums

## EARLY

|                                  | From pots | 100     | 1000   | 100     | 1000 |
|----------------------------------|-----------|---------|--------|---------|------|
| Clementine Touse—White           | \$3.00    | \$25.00 | \$2.00 | \$17.50 |      |
| Gloria (New)—Enchantress pink    | 4.00      | 30.00   | 3.00   | 25.00   |      |
| Indiana (New)—A white Appleton   | 6.00      |         | 4.00   |         |      |
| Ivory—Dwarf white                | 3.00      | 25.00   | 2.50   | 20.00   |      |
| Monrovia—Bright yellow           | 3.00      | 25.00   | 2.50   | 20.00   |      |
| October Frost—Best early white   | 3.00      | 25.00   | 2.50   | 20.00   |      |
| Pacific Supreme—Improved Pacific | 3.00      | 25.00   | 2.50   | 20.00   |      |

## MIDSEASON

|                                         |       |       |      |       |
|-----------------------------------------|-------|-------|------|-------|
| A. J. Balfour—Bright pink               | 3.00  | 25.00 | 2.50 | 20.00 |
| Col. D. Appleton—Incurved yellow        | 3.00  | 25.00 | 2.00 | 15.00 |
| Crocus—Light yellow                     | 3.00  | 25.00 | 2.00 | 15.00 |
| Mrs. W. E. Kelley—Late midseason yellow | 6.00  | 50.00 | 5.00 | 40.00 |
| Major Bonaffon—Incurved yellow          | 3.00  | 25.00 | 2.00 | 15.00 |
| Fres. Roosevelt—Incurved light pink     | 4.00  | 35.00 | 3.00 | 25.00 |
| Fres. Taft (New)—Incurved white         | 10.00 |       | 8.00 | 70.00 |
| Tim. Eaton—White                        | 3.00  | 25.00 | 2.50 | 20.00 |
| White Cloud—Pure white                  | 3.00  | 25.00 | 2.50 | 20.00 |

## LATE

|                                     |      |       |      |       |
|-------------------------------------|------|-------|------|-------|
| Golden Eagle—Incurved bright yellow | 4.00 | 30.00 | 3.00 | 25.00 |
| Intensity—Reflexed bright crimson   | 4.00 | 30.00 | 3.00 | 25.00 |
| Mlle. Jeanne Nonin—Incurved white   | 3.00 | 25.00 | 2.00 | 15.00 |
| Mlle. Jeanne Rosette—Light pink     | 3.00 | 25.00 | 2.50 | 20.00 |
| Maud Dean—Bright pink               | 3.00 | 25.00 | 2.50 | 20.00 |
| Nagoya—Bright yellow                | 4.00 | 30.00 | 3.00 | 25.00 |
| Yanoma—White                        | 3.00 | 25.00 | 2.50 | 20.00 |

## Special fine lot of Anemones, Pompons and Singles

From pots. List of varieties on application, or  
Our selection.....\$3.00 per 100; \$25.00 per 1000

ELMER D. SMITH & CO., Adrian, Mich.

# CHRYSANTHEMUMS

Extra Fine Stock of the Following Varieties:

|                     | R. C. per | 2 1/4-in. per |        | R. C. per | 2 1/4-in. per |
|---------------------|-----------|---------------|--------|-----------|---------------|
|                     | 100       | 1000          |        | 100       | 1000          |
| Earliest White      |           |               | WHITE. |           |               |
| October Frost       | \$2.50    | \$20.00       |        |           |               |
| Virginia Pochmann   | 3.00      | 25.00         |        |           |               |
| Robinson            | 2.50      | 20.00         |        |           |               |
| Clementine Touse    | 2.50      | 20.00         |        |           |               |
| Alice Byron         | 2.50      | 20.00         |        |           |               |
| Timothy Eaton       | 2.50      | 20.00         |        |           |               |
| President Roosevelt | 3.00      | 27.00         |        |           |               |
| White Bonaffon      | 2.50      | 20.00         |        |           |               |
| W. H. Chadwick      | 3.00      | 27.00         |        |           |               |
| Merry Christmas     | 2.50      | 20.00         |        |           |               |

|                 | 3.00 | 4.00  |         | 3.00 | 4.00 |
|-----------------|------|-------|---------|------|------|
| Golden Glow     |      |       | YELLOW. |      |      |
| Monrovia        | 2.50 | 20.00 |         |      |      |
| Halliday        | 2.50 | 20.00 |         |      |      |
| Col. Appleton   | 2.50 | 20.00 |         |      |      |
| Major Bonaffon  | 2.50 | 20.00 |         |      |      |
| Yellow Eaton    | 2.50 | 20.00 |         |      |      |
| Golden Wedding  | 3.00 | 27.00 |         |      |      |
| Chautauqua Gold | 2.50 | 20.00 |         |      |      |

|               | R. C. per | 2 1/4-in. per |  | R. C. per | 2 1/4-in. per |
|---------------|-----------|---------------|--|-----------|---------------|
|               | 100       | 1000          |  | 100       | 1000          |
| PINK.         |           |               |  |           |               |
| Rosiere       | \$2.50    | \$20.00       |  | \$3.00    | \$25.00       |
| McNiece       | 2.50      | 20.00         |  | 3.00      | 25.00         |
| Maud Dean     | 2.50      | 20.00         |  | 3.00      | 25.00         |
| Dr. Enguehard | 2.50      | 20.00         |  | 3.00      | 25.00         |

|            | R. C. per | 2 1/4-in. per |  | R. C. per | 2 1/4-in. per |
|------------|-----------|---------------|--|-----------|---------------|
|            | 100       | 1000          |  | 100       | 1000          |
| RED.       |           |               |  |           |               |
| Schrimpton | 3.00      | 20.00         |  | 3.00      | 25.00         |
| Intensity  | 2.50      | 20.00         |  | 3.00      | 25.00         |

## POMPONS.

|                         | R. C. per 100 |
|-------------------------|---------------|
| YELLOW.                 |               |
| Baby, Klondyke, Zenobia | \$2.50        |

|               | R. C. per 100 |
|---------------|---------------|
| WHITE.        |               |
| Lulu, Diana   | 2.50          |
| Baby Margaret | 4.00          |

|                  | R. C. per 100 |
|------------------|---------------|
| Briola, pink     | 2.50          |
| Mrs. Beu. bronza | 2.50          |
| Quinola          | 3.00          |

## White Killarney, My Maryland, Pink Killarney.

2 1/4-in. plants. Booking orders now for future deliveries. The Right Place—The Right Goods—The Right Price—Come and See Them Grow.

|                 | 2 1/4-inch. | 100     | 1000 |
|-----------------|-------------|---------|------|
| White Killarney | \$8.50      | \$75.00 |      |
| Pink Killarney  | 6.00        | 55.00   |      |
| My Maryland     | 6.00        | 55.00   |      |
| Kaiserin        | 5.00        | 40.00   |      |
| Richmond        | 5.00        | 40.00   |      |

|                                                  | 2 1/4-inch. | 100      | 1000 |
|--------------------------------------------------|-------------|----------|------|
| Brides                                           | \$5.00      | \$40.00  |      |
| American Beauties                                | 7.00        | 65.00    |      |
| You cannot afford to buy poor stock at 50% less. |             |          |      |
| Cut back benched Beauties                        | \$45.00     | per 1000 |      |

POEHLMANN BROS. CO., Morton Grove, Ill.

# Bench Plants

|                 | 1000    |
|-----------------|---------|
| American Beauty | \$50.00 |
| Richmond        | 30.00   |

GEORGE REINBERG  
51 Wabash Avenue, CHICAGO.

# PALMS, FERNS

AND

## Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.  
BROOKLYN, N. Y.

# SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums  
Carnations for fall delivery. Smilax, Violets  
IN BEST VARIETIES.  
Prices low. Send for list.

Wood Brothers, FISHKILL,  
New York.

# Ferns for Dishes...

Assorted varieties, 2 1/4-in. pots, \$3.50 per 100;  
\$30.00 per 1000. Cash with order.

FRANK OECHSLIN  
4011 Quincy St. CHICAGO.



## Chrysanthemum Cuttings

Now booking orders for early delivery.

| WHITE                | Per 100 | 1000    |
|----------------------|---------|---------|
| Oct. Frost.....      | \$2 00  | \$15 00 |
| Kalb.....            | 2 00    | 15 00   |
| V. Poehlmann.....    | 2 50    | 20 00   |
| Touset.....          | 2 00    | 15 00   |
| A. Byron.....        | 2 00    | 15 00   |
| Wanamaker.....       | 2 00    | 15 00   |
| White Cloud.....     | 2 00    | 15 00   |
| T. Eaton.....        | 2 50    | 20 00   |
| Chadwick.....        | 2 50    | 20 00   |
| Nonin.....           | 2 00    | 15 00   |
| PINK                 |         |         |
| Balfour.....         | 2 00    | 15 00   |
| Enguehard.....       | 2 00    | 15 00   |
| YELLOW               |         |         |
| Golden Glow.....     | 2 00    | 15 00   |
| Monrovia.....        | 2 00    | 15 00   |
| Oct. Sunshine.....   | 2 00    | 15 00   |
| Appleton.....        | 2 00    | 15 00   |
| Y. Eaton.....        | 2 50    | 20 00   |
| Golden Chadwick..... | 3 00    | 25 00   |
| Halliday.....        | 2 00    | 15 00   |
| Bonnafon.....        | 2 00    | 15 00   |

J. D. THOMPSON CARNATION CO.,  
JOLIET, ILL.

## ROSES

### CLEAN, HEALTHY STOCK

|                          | Per 100 | Per 1000 |
|--------------------------|---------|----------|
| My Maryland, 3½-in.....  | \$6 00  | \$55 00  |
| Richmond, 3½-in.....     | 5 00    | 45 00    |
| Bride, 3½-in.....        | 4 00    | 35 00    |
| Bridesmaid, 3½-in.....   | 4 00    | 35 00    |
| Mrs. Jardine, 3½-in..... | 5 00    | 45 00    |
| " 2½-in.....             | 4 00    | 35 00    |
| Bench Beauties.....      | 5 00    | 40 00    |
| " Richmond.....          | 4 00    | 30 00    |

## J. A. Budlong,

37-39 Randolph Street, CHICAGO.

Toronto.

FUNERAL WORK GOOD.

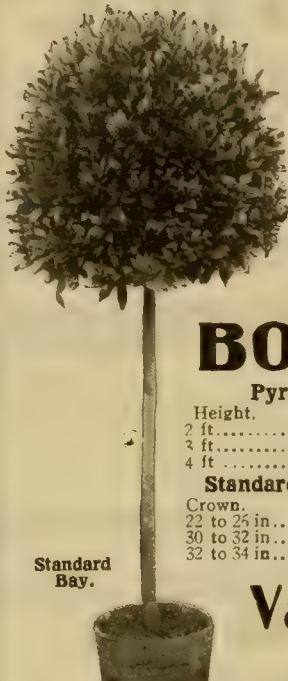
The death of King Edward has caused the people of Canada to mourn for their beloved monarch. Government and public buildings are draped, flags are at half-mast and a general feeling of sympathy prevails. Trade has held up remarkably well and although there has been a falling off in the use of flowers for personal adornment and a number of festivities have been cancelled there has been considerable funeral work. Stock generally is plentiful and in good shape. American Beauty roses are in better supply and quality than they have been all season, while Richmond, Killarney and Bride are exceptionally fine. Carnations are coming in good, but the supply is short and it is difficult to fill orders. Orchids, sweet peas and valley are plentiful. What was considered to be an early season has developed to a backward one and the planting of outdoor flowers is delayed. The city parks and squares are resplendent with the vivid colors of the tulip beds. Owing to the scarcity of help a number of large landscape jobs are being retarded.

NOTES.

Although the campaign for Mother's day was given considerable prominence in the papers the desired hold of the public was not very strong, though some report increased business; with most of us it was only an ordinary Saturday.

A few of the more venture-some are planting out carnations, A. H. Houle having most of his planted.

# Bay Trees



We have just received four carloads of fine shapely trees in the following sizes:

### Standard or Tree Shaped.

| Stem about | Crown.       | Each.   | Stem about | Crown.    | Each.   |
|------------|--------------|---------|------------|-----------|---------|
| 38-40 in.  | 22-24 in.... | \$ 6.50 | 45-48 in.  | 30 in.... | \$10.00 |
| 42-46 in.  | 24 in....    | 6.75    | 46-54 in.  | 34 in.... | 12.00   |
| 45-48 in.  | 26 in....    | 7.50    | 46-53 in.  | 40 in.... | 15.00   |
| 46-50 in.  | 28 in....    | 8.00    |            |           |         |

### Dwarf Standards.

| Total Height. | Crown.          | Each.  |
|---------------|-----------------|--------|
| 4 to 5 feet.  | 24 to 26 in.... | \$7.50 |

### Pyramid Shaped.

| Height. | Base.           | Each.   |
|---------|-----------------|---------|
| 5 ft.   | 24 to 26 in.... | \$ 8.00 |
| 6 ft.   | 26 to 28 in.... | 10.00   |
| 6½ ft.  | 28 to 30 in.... | 12.00   |

## BOX TREES

If wanted out of tubs we allow 10 per cent discount.

### Pyramid Shaped.

| Height.   | Ea.    | Pair   |
|-----------|--------|--------|
| 2 ft..... | \$1.50 | \$2.75 |
| 3 ft..... | 2.50   | 4.50   |
| 4 ft..... | 4.00   | 7.00   |

### Standard or Tree Shaped.

| Crown.           | Each.  | Pair.   |
|------------------|--------|---------|
| 22 to 25 in..... | \$4.50 | \$ 8.00 |
| 30 to 32 in..... | 5.50   | 10.00   |
| 32 to 34 in..... | 7.00   | 12.00   |

### Bush Shaped.

These do not come in tubs.

| Height.               | Each.  | Doz.   | 100     |
|-----------------------|--------|--------|---------|
| 10 to 12 in.....      | \$0.30 | \$3.00 | \$20.00 |
| 12 to 15 in.....      | .35    | 3.50   | 25.00   |
| 15 to 18 in., light.. | .40    | 4.00   | 30.00   |
| 15 to 18 in., heavy.. | .45    | 4.50   | 35.00   |
| 20 to 24 in.....      | .75    | 8.00   |         |
| 24 in.....            | 1.00   | 10.00  |         |

## Vaughan's Seed Store

WESTERN SPRINGS, ILL.

## A. N. PIERSON, Inc.

CROMWELL, CONN.

### Gardenias

2¼-inch pots, \$7.00 per 100; 3-inch pots, \$12.00 per 100; 4-inch pots \$20.00 per 100.

### Dracena Indivisa

4-inch pots, \$1.80 per dozen; \$12.00 per 100; 5-inch pots; strong plants, \$25.00 per 100.

### Cannas

Gladiator, green foliage, yellow flower spotted with red.

Wyoming, bronze foliage, red flower.

Louisiana, green foliage, red flower.

Assorted Cannas, good standard varieties.

The above 4-inch pots, \$1.00 per dozen; \$8.00 per 100.

ASPARAGUS PLUMOSUS SEEDLINGS, \$1.00 per 100; \$10.00 per 1000.

ASPARAGUS SPRENGERI SEEDLINGS, 50c per 100; \$5.00 per 1000.

SMILAX, 2¼-inch pots, \$2.50 per 100; \$20.00 per 1000.

## Miscellaneous Plants

Apple Geraniums, 2-in., \$2.00 per 100, \$18.50 per 1000; 3 in., 4.00 per 100.

Alternantheras, red and yellow, six varieties, 2-in., 12.00 per 100 \$18.50 per 1000.

German or Parlor Ivy, 2-in. \$2.00 per 100.

Hardy Ivy, 2 in., \$2.00 per 100, \$17.50 per 1000.

Salvia. Bonfire and Zurich, 2-in., \$2.00 per 100, \$17.50 per 1000.

Asters, Vick's Early and Late Branching select colors, strong transplanted plants, 2-in., \$2.00 per 100; \$18.50 per 1000.

Dahlia Plants, from 2 in., at \$2.00 per 100 up. For \$18.50 cash we will send 1000, 50 each of 20 distinct varieties, including Show, Decorative and Cactus.

R. VINCENT Jr., & SONS CO., White Marsh, Md.

His roses are still in good crop and sweet peas are plentiful with him.

Frank Duffort is marketing fine Hydrangea Otaksa of splendid color.

## Snow-White Sport of Helen Frick Chrysanthemum

From 2¼-inch pots \$10.00 per 100.

Rooted cuttings, \$8.00 per 100.

Unrooted cuttings, \$5.00 per 100.

HENRY EICHHOLZ, Waynesboro, Pa.

Mention the American Florist when writing

## ASPARAGUS PLUMOSUS

2-year clumps, 15c; 2-inch pots, strong, \$2 25 per 100; \$20.00 per 1000.

IMPATIENS in variety, strong, 2-inch, 3c.

BRIDESMAID ROSES, 2 inch pots, 2½c.

W. W. Coles, Kokomo, Ind.



## TRADE LIST

**Clematis**, large flowering varieties, 2-year-old plants: Henryi, Mme. Veillard, \$3.00 per dozen.

**Clematis**, paniculata, strong plants, \$10.00 per 100; 3-in. pots, \$5.00 per 100.

**Dracena Indivisa**, 4-inch pots, \$10.00 per 100.

**Passiflora coerulea**, 3-in. pots \$5.00 per 100.

**Echeveria Glauca**, \$4.00 per 100.

Plants from 2½-in. pots, \$3.00 per 100; **Achyranthes**, **Parlor Ivy**, **Ageratum**, blue; **Coleus**, **Verschaffeltii**, **Queen Victoria**, **Quadrangular**, **Golden Feather**, **Impatiens**, **Holsti**; **Swainsona alba**; **Alternantheras**, 4 varieties; **Petunia**, **Star and Rosy Morn**; **Hydrangea**, **Otaoka**, **Chrysanthemums**, **White Cloud**, **Pacific Supreme**, **Golden Glow**.

Stock from 3-in. pots, \$4.00 per 100. **Geraniums**, **Rose** and **Nutmeg**; **Lantana**, **Le Naine**; **Feverfew**, **The Gem**; **Ivy**, **Hardy English**; **Honeysuckle**, **Woodbine** 4-in. pots \$1.50 per doz.

**Asparagus Sprengerii**, 2-in. pots, \$2.00 per 100; 2½ in. pots, \$3.00 per 100.

**SEEDLINGS** from flats 50c per 100: **Asparagus Sprengerii**, **Dracena Indivisa**.

**Clematis vitalba**, strong transplanted seedlings, \$1.00 per 100, \$8.00 per 1000. This is one of the latest growing vines, covered with long sprays of sweet-scented white flowers the whole summer.

**C. EISELE,**

11th and Westmoreland Sts. Philadelphia, Pa.

## Orchids



Arrived: **Cattleya Trianae**, **C. Gaskelliana**, **Oncidium varicosum**, **O. crispum**, **O. Forbesii**, **O. Harrisonianum**, **Miltonia cuneata**, **Odontoglossum grande**; **Laelias**, **purpurata**, **grandis tenebrosa** and **flava**.

**Lager & Hurrell Summit, N. J.**

Mention the American Florist when writing

## ORCHIDS...

Largest Importers, Exporters, Growers, and Hybridists in the World.

**SANDER, St. Albans, Eng.**

**NEW YORK OFFICE:** **T. MELLSTROM,**  
Room 1, 235 Broadway. Agent.

**Vincas, Geraniums, Coleus.**

**Extra Fine Vincas**, 2½ in. 3 in. and 4 in. at \$2.50, \$4.00 and \$8.00 per 100. **Extra Fine Geraniums**, **S. A. Nutt** etc., 2½ in., 3 in. and 4 in. at \$2.50, \$4.00 and \$8.00 per 100. **Coleus**, **Verschaffeltii**, red and Golden Bredder. **R. C. 50c**; 2½ in. \$2.50; 3 in. \$3.50. **Alternantheras**, red and yellow, 2 in. fine 2c. each. **Double Petunias**, fine mixed, 2½ in. 3c; 3 in. 5c. Cash and if quality counts we can please you.

**THE SWAN FLORAL CO.,** Lima, Ohio.

**LOUISVILLE, KY.**—The store of **H. G. Walker & Co.**, 634 Fourth avenue; was damaged by fire May 4 to the extent of \$500.

**SHARON HILL, PA.**—**Robt. Scott & Son** have placed their order, with the **King Construction Co.**, for an iron frame house 25 x 100 feet and one house 50 x 142 feet.

**CEDAR RAPIDS, IA.**—**Grant Newport** will remodel his entire plant this summer and build four new houses, two of them 50x100 feet each and two 24 x 100 feet. The new houses will be of steel frame construction with Garland gutters and concrete benches and walks. These additions will give Mr. Newport a total of about 35,000 square feet of glass.

## I Am Disposing of the Florham Farms Collection of ORCHIDS

and can quote established plants of **Cattleya Trianae**, **Schroederiae**, **Labiata**, in 5 to 8 in. pots, at \$2.00 per plant.

**Cypripedium Leeanaum**, in pans, from 5 to 8 in., 50c to \$3.00 each.

**CHARLES H. TOTTY,** Madison, N. J.

## Geraniums Coleus

100 1000  
8 varieties, my selection, 2½ in. pots, \$3.00 \$25.00  
8 varieties, 3-in. pots, 4.00  
**Asp. Sprengerii** seedlings, 1.00 7.00  
**Asp. Sprengerii**, 2½ in. pots, 2.00

100  
10 varieties 2½ in. pots, 2.00  
**Double Petunias**, Seedlings, 2.50  
10 varieties of **Cannas**, 3½ in. pots, 4.00  
**Alternantheras**, red and yellow, 2.00

—Cash, No C. O. D.—

**JOS. H. CUNNINGHAM,** Delaware, O.

## A FEW GOOD THINGS YOU WANT.

**Rex Begonia**, 2-in. \$5.00 per 100.  
**Asparagus Sprengerii**, 3-in. \$5.00 per 100.  
**Geraniums**, **Nutt**, **Perkins**, **Grant**, **La Favorite**, **R. C.**, \$1.25; 2-in. pots, \$2.00; 3-in., \$4.00 per 100; **Viaud**, **Castellane**, **Poitvine**, **Jaulin**, **Ricard**, **Buchner**, **R. C.**, \$1.50; 2-in. pots, \$2.50; 3-in., \$5.00 per 100.  
**Asparagus Plumosus**, 2-in., \$3.00 per 100; 3-in., \$5.00 per 100. Cut fronds 25c per bunch.  
**Boston Ferns**, 5-in 25c each, **Whitman Ferns**, 4-in. 25c each.

**Vinca Var.**, 2-in. \$2.00 per 100.  
**Dracena Ind.**, 3-in., \$5.00; 4-in., \$10.00 per 100.  
**Coleus** and **Alternanthera**, red and yellow; **Verbenas**, **Heliotrope**, **Cigar Plant**, **Scarlet Sage**, **Zurich**, always in bloom, 2-in., \$2.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order.

**GEO. M. EMMANS,** Newton, N. J.  
Mention the American Florist when writing

## Orchids..

We have changed our domicile from Secaucus, N. J., to Mamaroneck, N. Y. We are largest collectors and importers of Orchids and are now booking orders for all the commercial Cattleyas for delivery next spring.

**GARRILLO & BALDWIN, Mamaroneck, N. Y.**

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## Robert Craig Co...

**HIGH CLASS PALMS**

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

Mention the American Florist when writing

**Rooted Cannas** **Allemania**, **Pennsylvania**, **Kate Gray**, \$2.50 per 100.  
**Vinca Var.**, 2½ in. 3, 4 in. \$3.00 \$5.00 \$9.00  
**Asparagus Robustus**, 3 in. 5.00  
**Sprengerii**, 3 in. 5.00  
**Smilax**, 2½ in. 3.00  
**Lobelia**, **Bedding Queen** and **Speciosa**, 2 in. 2.00  
**Verbenas**, seedlings in bloom, 2 in. 2.50  
**Alyssum**, **Little Gem**, 2 in. 2.50  
**Double**, 2 in. 2.50  
**Coleus**, 10 vars., 2, 3 in. \$2.00, 3.00  
**Petunias**, single, large, in bloom, 2, 3 in. 2.00, 3.00

**WEST END GREENHOUSES,** Lincoln, Ill.  
**Hans Schmalzli, Prop.**

## Orchids

Arrived This Week

### CATLEYAS

**Trianae**, **Labiata**, **Schroederiae**, **Mossiae**, **Gaskelliana**, **Mendelii**.

### DENDROBIUMS

**Cambridgeanum**, **Chrysotoxum**, **Crassinode**, **Jamesianum**, **Devonianum**.

**Renanthera Imschootiana**

**Vanda Coerulea**

**Laelia anceps**, **Laelia albida**, **Oncidium Cavendishianum**, **Oncidium ornithynchum**.

**G. L. FREEMAN CO.**

FALL RIVER, MASS.

## JOSEPH HEACOCK CO.

WYNCOTE, PA.

Growers of Fine Kentias

Send for Price List.

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Contains the names and addresses of all the Florists, Seedsmen and Nurserymen in the United States and Canada. Price \$3.00.

**AMERICAN FLORIST CO.,**

324 Dearborn Street. CHICAGO



# Bedding and Miscellaneous Plants.

|                                                    |                 |
|----------------------------------------------------|-----------------|
| 2000 Vincas,                                       | Per 100         |
| Variegated, 2-in.                                  | \$ 3.00         |
| 3-in.                                              | 6.00            |
| 3-in. strong                                       | 8.00            |
| 3-in. extra strong                                 | 10.00           |
| 3-in. select                                       | 12.00           |
| This stock is extra fine and well worth the price. |                 |
| 10,000 Geraniums                                   |                 |
| S. A. Nutt and other standard varieties, 2-in.     | \$ 3.00         |
| 3-in.                                              | 6.00            |
| 4-in.                                              | 10.00           |
| Mme. Salleri, 2-in.                                | 4.00            |
| Asparagus Plumosus, 2-in.                          | 3.00            |
| 3-in. for planting                                 | 5.00            |
| Ageratum in variety, 2-in.                         | 3.00            |
| Achyranthes, 2 in.                                 | 3.00            |
| Alyssum, 2-in.                                     | 2.50            |
| Begonias in variety 2-in.                          | 3.00            |
| Chenostoma Hispidum 2-in.                          | 3.00            |
| Caladium Esculentum, started                       | \$6.00 to 12.00 |
| Cyperus 3-in.                                      | 5.00            |
| Chrysanthemums, 2-in.                              | 4.00            |
| Colerus, mixed                                     | 2.50            |
| Golden Bedder and Verschaffelti                    | 3.00            |
| Cuphea                                             | 3.00            |
| Echeveria Secunda Glauca                           | 4.00            |
| Fuchsias, 2-in.                                    | 3.00            |
| Hardy Pinks, field clumps                          | 10.00           |
| Hardy Poppies, 3-in.                               | 5.00            |
| Heliotrope                                         | 3.00            |
| Ivy, German                                        | 3.00            |
| Lantanas, in variety                               | 3.00            |
| Marguerite Daisies, 3-in.                          | 6.00            |
| 4-in.                                              | 8.00            |
| Myrtle, hardy field clumps                         | 10.00           |
| Pansies, large field grown                         | 2.50            |
| Santolina                                          | 5.00            |
| Selaginella, Lycopodium Moss, 3-in.                | 4.00            |
| Verbenas                                           | 3.00            |

I. N. KRAMER & SON,  
CEDAR RAPIDS, IA.

Mention the American Florist when writing

# Roses plenty

In sorts listed page 789, May 14.

On own roots: summer grown; winter rested.

THE LEEDLE FLORAL COMPANY,  
SPRINGFIELD, OHIO.

Mention the American Florist when writing

Glen Cove, N. Y.

The regular meeting of the Nassau County Horticultural Society was held May 11, with a large attendance, President Dutlie in the chair. Three new members were elected and three applications for membership received. The schedule for the summer show to be held June 15 will be out in a few days and we may well anticipate a very successful affair. Messrs. Eccles, Gaut and Johnston acted as judges with the following decision: Monthly competition: three heads lettuce, L. I. Trepess first; twelve gardenias, G. Wilson first; twelve mushrooms, G. Wilson first. Cultural certificates were awarded to L. I. Trepess for tomatoes; I. Everet for a grand box of mushrooms; H. McDonald for cucumbers. Honorable mention to H. Matz for sweet peas, a very promising seedling; V. Cleres for a fine plant of Canterbury bells, also for three heads of lettuce; Paul Reul for collection of vegetables; F. Petroccia for beans; I. Reidenbach for lettuce, also citrus and for a fine vase of sweet peas; H. McDonald for a grand vase of antirrhinums; H. Fleishauer for two fine vases of tulips of the Darwin type, beautiful blooms, also for a bunch of fine rhubarb. G. Wilson received the thanks of the society for a very fine deutzia; H. Matz for vase of sweet peas; F. Petroccia for lettuce; Paul Reul for sweet peas and G. Wilson for asparagus. At the next meeting prizes will be for best pteris,

# LOOK! BARGAINS IN Bedding Plants

For Immediate Shipment.

NOW READY.

Godfrey Aschmann, the busy bee, is more active than ever. Come and look at what he and his sons and employees have done in four weeks' time. Inspect it yourself, judge it yourself, and you will say "Is it possible?" Ten greenhouses and equally as many frames are filled with choice bedding plants of all descriptions.



|                                                                                                                                                                                                                                                                                                  |                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Cannas John D. Eisele (best improved dark foliage), 4-in.                                                                                                                                                                                                                                        | er 100 \$8.00                              |
| Cannas, Bismarck, Alph. Bouvier Richard Wallace, Kate Gray, King Humbert (dark-leaved) 4-in.                                                                                                                                                                                                     | 7.00                                       |
| English Ivy, 4-in.                                                                                                                                                                                                                                                                               | 10.00                                      |
| Begonia Erfordi, our well-known strain our latest improvement always in bloom, best of all the pink varieties 4-in. pots                                                                                                                                                                         | 8.00                                       |
| Begonia Vernon, the genuine dark red: a bed of them once seen growing on a lawn in bloom speaks for itself: it is our latest improvement of the Vernon type: always a mass of flowers; stands the sun heat and the dry weather well: 7000 4-in. now ready, medium size 4-in., 67.00: large 4-in. | 8.00                                       |
| 3-in. (all in bloom)                                                                                                                                                                                                                                                                             | 5.00                                       |
| Lemon Verbenas, 4 in.                                                                                                                                                                                                                                                                            | 7.00                                       |
| Scarlet Sage, Clara Bedman or Bonfire (in bloom), 4-in.                                                                                                                                                                                                                                          | 7.00                                       |
| Ageratum, dwarf, best blue, 4-in.                                                                                                                                                                                                                                                                | 7.00                                       |
| Fuchsias, assorted colors, 4-in.                                                                                                                                                                                                                                                                 | 7.00                                       |
| Double Petunias, assorted, 4-in.                                                                                                                                                                                                                                                                 | 7.00                                       |
| Lantanas, assorted, 4-in.                                                                                                                                                                                                                                                                        | 7.00                                       |
| Echeveria Glauca for borders and large beds, fine strong plants                                                                                                                                                                                                                                  | \$3.00, \$4.00, 5.00                       |
| Geraniums, La Favorite, best double white, 4 in. pots                                                                                                                                                                                                                                            | 7.00                                       |
| Geraniums, other best varieties, such as Beaute Poitevine, S. A. Nutt and Jean Viaud best pink                                                                                                                                                                                                   | 7.00                                       |
| Geraniums, Jean Viaud, for vases, 5 1/2 to 6 in.                                                                                                                                                                                                                                                 | 13c to 20c each                            |
| Crimson Rambler Roses, 7-8 in. pots                                                                                                                                                                                                                                                              | 75c, \$1.00, \$1.25 to \$1.50 each         |
| Rambler Roses, Dorothy Perkins, one of the best Ramblers of the pink variety, pot-grown plants, 5 1/2 to 6 in.                                                                                                                                                                                   | 35c, 40c, 50c                              |
| Nephrolepis (Ferns), Scholzei, small 4-in.                                                                                                                                                                                                                                                       | 25c                                        |
| Scottii, Whitmani, Boston, medium size, 4-in.                                                                                                                                                                                                                                                    | 20c                                        |
| Rubbers, 4 in.                                                                                                                                                                                                                                                                                   | 25c                                        |
| Coclea Scandens, 4-in.                                                                                                                                                                                                                                                                           | 10c each                                   |
| Primula Obconica, 5-in., blue, in bloom                                                                                                                                                                                                                                                          | \$2.00 per doz.                            |
| Dracena Indivisa, 5 to 5 1/2 in. pots                                                                                                                                                                                                                                                            | 25c each                                   |
| Begonia Flambeau, 6 in.                                                                                                                                                                                                                                                                          | 25c each                                   |
| Vinca Variegata or Periwinkle, 4-in.                                                                                                                                                                                                                                                             | 10c to 20c                                 |
| 2 1/2 in., \$3.00 per 100                                                                                                                                                                                                                                                                        |                                            |
| Double Petunias, 5 to 5 1/2 in.                                                                                                                                                                                                                                                                  | 15c                                        |
| Heliotrope, 4 in.                                                                                                                                                                                                                                                                                | 7c                                         |
| Kentia Forsteriana, 6 to 7 in., 40 to 50 in. high and over                                                                                                                                                                                                                                       | \$2.00 \$2.50 to \$3.00 each               |
| Kentia Forsteriana, 30-35 40-50 in. high.                                                                                                                                                                                                                                                        | \$1.00, \$1.25, \$1.50 to \$2.00 each      |
| Kentia Belmoreana, 25-30 35-40 in. high.                                                                                                                                                                                                                                                         | 75c, \$1.00, \$1.25, \$1.50 to \$2.00 each |
| Kentia Belmoreana, 3-in.                                                                                                                                                                                                                                                                         | 10c each                                   |
| Ricinus or Castor Oil Plant, 4-in.                                                                                                                                                                                                                                                               | 15c                                        |

First consignment of  
**ARAUCARIA EXCELSA.**  
just arrived from Europe, all grown from top cuttings by our specialist in Araucarias in Belgium. Plants with 3, 4, 5 and 6 tiers, in their original packing, 12-15 18-20-25 in. high, 35c, 40c, 50c, 60c. 75c to \$1.00 each.  
Robusta and Glauca, at \$1.00 to \$1.25 each.

## In Small Plants

we have the following in 2 1/2 to 3-in. pots, at \$3.00 per 100:

Verbenas, assorted colors.  
Phlox Drummondii, dwarf and grandiflora.  
French dwarf Tagetes (the queen of the Marigold).  
Cosmos, red, white and pink (assorted or mixed).  
Colerus, Verschaffelti Golden Bedder, Queen Victoria (fancy colors, 4c).  
Petunias, inimitable. Dwarf and Rosy Morn.  
Sweet Alyssum, Carpet of Snow or Little Gem.  
Tradescantia, two colors.  
Thunbergia, or Black Eyed Susan.  
Salpiglossia.  
Lobelia, Crystal Palace, blue, dwarf and trailing.  
Cornflowers (assorted).  
Centaurea Gymnocarpa (Dusty Miller).  
Parlor or German Ivy, 3c.  
California Giant Petunia, 3-in., \$5.00 per 100.  
Maurandia Barclayana, 5c.  
Asters, Victoria, 5 separate colors, 2 1/2 in., 3c.  
Zinnia Elegans, best double dwarf, assorted, 2 1/2 in., \$3.00 per 100.  
Torenia Fournieri, 2 1/2 in., \$4.00 per 100.  
Candytuft, \$3.00 per 100.  
Acalypha, 2 1/2 in., \$3.00 per 100.  
Ageratum, blue, \$3.00 per 100.  
English Ivy, 3-in., \$5.00 per 100.  
Nasturtiums, Empress of India and about seven more fine colors, 3 in. pots, \$4.00 per 100.  
Tomato Plants, Stone, best known variety, 25c per 100.  
Don't forget that we are the growers and shippers of Ipomoea Noctiflorum, the pure white Moonvine, with flowers as big as a saucer, very fragrant and the earliest Moonvine in existence, for which we have a world-wide reputation for the past twenty-five years: grows 50 feet and over in one season: over 25,000 are shipped every spring all over America south, north, west and east. Mexico and Cuba: 2 1/2 in. pots, \$5.00 per 100; 3-in., \$8.00 per 100; 4 in., \$12.00 per 100.

Cash with order, please.  
All plants must travel at purchaser's risk.

# GODFREY ASCHMANN

Wholesale Grower and Importer of Potted Plants, 1012 West Ontario St., PHILADELPHIA, PA.

# Pansy Plants

Large stocky plants in bud and bloom, the very best strain at \$1.25 per 100, \$10.00 per 1000; smaller plants \$2.00 per 1000.

Stocks, Dusty Miller, Verbenas, Phlox, Alyssum, Heliotrope, Ageratums, Mme. Salleri Geraniums, Asp. Sprengeri and Scarlet Sage, fine plants out of 2 1/2 in. pots, \$2.00 per 10; 300 for \$5.00; \$15.00 per 1000.  
Cabbage Plants for field, \$1.25 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Mention the American Florist when writing

best nephrolepis and best adiantum. In our last report we omitted a cultural certificate awarded to V. Cleres for a splendid vase of American Beauty roses, greatly admired by everyone.  
O. E. A.

# For Summer Bloom Plant at Once

## Kaiserin and My Maryland

We have a large stock of fine plants as large as ordinary 4-in. plants, at \$40.00 per 1000.

Order at once as they will soon be gone. Only a few grafted plants left.

W. H. ELLIOTT, Brighton, Mass.

BATAVIA, N. Y.—Gustav Noack has leased a store in the Masonic Temple which he will run in connection with his Bank street place.



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| Burpee W A & Co.....               | 825     | Krick's Lettens.....                 | 845  |
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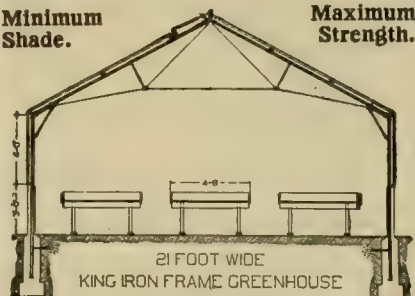
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## ACHYRANTHES.

Achyranthes Lindenii, narrow pointed leaf variety, 2½-in., \$2.50 per 100; \$20 per 1,000; rooted cuttings, \$10 per 1,000. A No. 1 stock. H. Heepe's Sons, Akron, O.

## AGERATUMS.

Ageratum, Little Blue Star, 2¼-in., \$2.00 per 100. Mosback Greenhouse Co., Onarga, Ill.

Ageratum, blue and white, 2½-in., 2c. G. Schlegel, Olney, Ill.

## ALTERNANTHERAS.

Alternantheras, strong rooted cuttings. P. major, red, 50c per 100; \$4 per 1,000. A nana, yellow, 50c per 100; \$4 per 1,000; Brilliantissima, best red, 60c per 100; \$5 per 1,000. R. R. Davis & Co., Morrison, Ill.

Alternantheras, red and yellow, \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Alternantheras red and yellow, 2¼-in., \$2 per 100. Mosback Greenhouse Co., Onarga, Ill.

Alternantheras, 2-in., 2c. Swan Floral Co., Lima, O.

Alternantheras, red and yellow, \$2 per 100. Jos. H. Cunningham, Delaware, O.

Alternantheras, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

## ALYSSUM.

Alyssum, glant and dwarf, strong, 2¼-in., \$2 per 100. Mosback Greenhouse Co., Onarga, Ill.

Alyssum, 2¼-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

## ANTIRRHINUM.

Antirrhinum, snapdragons, from seed bed, 1c each; 2¼-in., \$2 per 100. Mosback Greenhouse Co., Onarga, Ill.

## ASPARAGUS.

Asparagus Sprengeri, 2¼-in. pots, fine stock, \$2.25 per 100; \$20 per 1,000. The Good & Reese Co., Largest Rose Growers in the World, Springfield, Ohio.

Asparagus plumosus, seedlings, \$1 per 100; \$10 per 1,000; Sprengeri, seedlings, 50c per 100; \$5 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

Asparagus plumosus, 2¼-in., \$3 per 100; Sprengeri, 2¼-in., \$2 per 100; 3-in., \$5; 4-in., \$10. Mosback Greenhouse Co., Onarga, Ill.

Asparagus Sprengeri, 3-in., \$5 per 100. Plumosus, 2-in., \$3; 3-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus, 2-yr. clumps, 15c; 2-in. pots, \$2.25 per 100; \$20 per 1,000. W. W. Coles, Kokomo, Ind.

Asparagus Sprengeri, 3-in., \$5 per 100; robustus, 3-in., \$5. West End Greenhouses, Lincoln, Ill.

Asparagus plumosus, 4-in., extra fine large plants, \$8 per 100. Scharff Bros., Van Wert, Ohio.

Asparagus Sprengeri, 2-in., \$2 per 100; 2½-in., \$3; seedlings, 50c. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Asparagus Sprengeri, seedlings, \$1 per 100; \$7 per 1,000; 2¼-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus Sprengeri, 15 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus Sprengeri, 2¼-in., \$2 per 100; 200 for \$5. J. C. Schmidt, Bristol, Pa.

Asparagus Sprengeri, 3-in., \$4 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

## ASTERS.

Aster Seed. Lady Roosevelt, gorgeous pink, longest stems of any known aster, late branching, ½ oz., 25c. Order today and get my special aster plant catalogue. Plants by mail or express, ready by May 10. John S. Weaver, Glen Mawr Seed Farms, Box E, Kinzers, Pa.

Asters, Queen of the Market, Vick's New Upright, Imperial, Purity and Daybreak, Non Lateral Branching, in pink, white, light rose, blue, lavender and crimson, 2-in., \$2 per 100. Mosback Greenhouse Co., Onarga, Ill.

Asters, Vick's early and late branching, 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

## AUCUBAS.

Aucubas. Bobbink & Atkins, Rutherford, N. J.

## AZALEAS.

Azaleas. Jacs Smits, Naarden, Holland.

## BAY TREES

Bay trees. For prices and sizes, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bay trees. Winterson's, 45 Wabash Ave., Chicago.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

## BEDDING PLANTS.

As follows: Geraniums in bloom, Nutt, Buchner, spaced, 4-in., \$5; 5-in., 2 to 6 branches, including Grant, Poitevine, \$3 per 100. Cannas, Vinca var. Lemon verbenas, bushy, 3½ and 4-in., \$5 per 100. Salvias, 3 to 4-in., in bloom, \$3 to \$4 per 100; \$25 to \$35 per 1,000. Dreer's S. F. petunias, bushy, 3-in., in bloom, \$3. Mme. Sallerol, 3-in., \$2.50 per 100. Coleus, strong, 2-in., \$1.50 per 100; \$14 per 1,000. Cash. Wm. S. Herzog, Morris Plains, N. J.

Bedding plants: Cannas, J. D. Eisele, 4-in., \$8 per 100; Bismarck, A. Bouvier, R. Wallace, Kate Gray, King Humbert, 4-in., \$7. English ivy, 4-in., \$10. Begonia Erford, 4-in., \$8; Vernon, 4-in., \$7 and \$8; 3-in., \$5. Lemon Verbenas, 4-in., \$7. Scarlet sage, Bedman and Bonfire, 4-in., \$7. Ageratum, 4-in., \$7. Fuchsias, 4-in., \$7. Dbl. petunias, 4-in., \$7. Lantanas, 4-in., \$7. Echeveria glauca, \$3 to \$5. Geraniums, 4-in., \$7; Beate Poitevine, Nutt, Viald, \$7; Viald, 5½ and 6-in., 15c and 20c. Cobea scandens, 4-in., 10c. Primula obconica, 5-in., \$2 per doz. Dracena indivisa, 5 and 5½-in., 25c. Begonia Flambeau, 6-in., 25c. Small plants, 2½ and 3-in., \$3 per 100: Verbenas, phlox, cosmos, coleus, petunias, sweet alyssum, tradescantia, thunbergia, salpiglossis, lobelia, cornflowers, Centaurea Gym., parlor or German ivy, 3c; giant petunia, 3-in., \$5. Maurandia Bar., 5c. Asters, 2½-in., 3c. Moonvines, 2½-in., \$5 per 100; 3-in., \$8; 4-in., \$12. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Bedding plants: Vinca var., 2-in., \$3 per 100; 3-in., \$6 to \$12. Hardy pinks, field clumps, \$10. Poppies, 3-in., \$5. Geraniums, 2-in., \$3; 3-in., \$6; 4-in., \$10; Sallerol, 2-in., \$4. Asp. plumosus, 2-in., \$3; 3-in., \$5. Ageratum, 2-in., \$3. Achyranthos, 2-in., \$3. Alyssum, 2-in., \$2.50. Begonias, 2-in., \$3. Chaenostoma hispidum, 2-in., \$3. Cyperus, 3-in., \$5. Chrysanthemums, 2-in., \$4. Coleus, G. Bedder and Ver., \$3. Cuphea, \$3. Echeveria S. glauca, \$4. Fuchsias, 2-in., \$3. Heliotrope, \$3. Ivy, German, \$3. Lantanas, \$3. Marguerite daisies, 3-in., \$6; 4-in., \$8. Myrtle, field clumps, \$10. Verbenas, \$3. I. N. Kramer & Son, Cedar Rapids, Iowa.

Bedding plants: Aster, white, \$3 per 1,000; Sweet William, \$3 per 1,000. Feverfew, 2-in., 2c. Dusty Miller, 2-in., 1½c. Petunias, dbl., 2-in., 2c. Alternantheras, red, 2-in., 2c. Cuphea, 2-in., \$1.50. Stocks, 2-in., \$1.50. Coleus, 2-in., \$1.50. Thunbergia, 2-in., \$1.50. Vinca var., 2-in., \$2. Ageratum, Gurney, 2-in., 1½c. Rooted cuttings, prepaid: Paris Daisy, yel. and white, \$1 per 100. Cuphea, 75c. Vinca var., 90c. Coleus, 10 kinds, 60c per 100; \$5 per 1,000. Alternantheras, red, 50c per 100; \$4.50 per 1,000. Ageratum, 3 kinds, 60c per 100. Dbl. petunias, 10 kinds, \$1. Byer Bros., Chambersburg, Pa.

Bedding plants, 2½-in., \$3 per 100: Achyranthos, lobelias, parlor ivy, ageratum, coleus, alyssum, golden feather, impatiens, Swainsona alba, alternantheras, petunias. Stock from 3-in., \$4 per 100: Geraniums, rose and nutmeg; lantanas, feverfew, ivy, English; honeysuckles, woodbine and Halleana, 4-in., \$1.50 per doz. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

## BEGONIAS.

Begonia Gloire de Lorraine and Agatha, \$15 per 100; \$140 per 1,000. Turnford Hall, \$20 per 100. Pres. Taft, \$20 per 100. J. A. Peterson, Westwood, Cincinnati, O.

Begonia Lorraine and Agatha, 2½-in., twice transplanted, \$12 per 100; in 500 lots, \$50 the 500. Julius Roehrs Co., Rutherford, N. J.

Rex begonias, 2-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

## BOXWOOD.

Box trees. For prices and sizes, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

Box trees. Winterson's, 45 Wabash Ave., Chicago.

Box trees, all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

## BULBS.

Bulbs, Caladium esculentum, 5-7 ins., 35c per doz.; \$2 per 100; \$17 per 1,000; 7-9 ins., 60c per doz.; \$3.50 per 100; \$30 per 1,000; 12 ins. and up, \$1.75 per doz.; \$14 per 1,000. Gladiolus, America, \$3.50 per 100; \$30 per 1,000. Mme. Monneret, \$2.25 per 100; \$20 per 1,000. Vaughan's Florist mixture, \$1.75 per 100; \$15 per 1,000. Vaughan's Seed Store, Chicago and New York.

Gladiolus Alice Carey, the best white in cultivation, No. 1 bulbs, \$5 per 100; \$40 per 1,000. America, No. 1, \$4 per 100; \$30 per 1,000. Golden Nugget, best bright yellow, \$1.50 per doz.; \$10 per 100. Princes, \$1.25 per doz.; \$8 per 100. List free. E. Y. Teas Co., Centerville, Ind.

Gladioli, 90,000 Groff's hybrids, ¾ to 1 in., nice planting stock, \$1 per 1,000; \$5 per 5,000. Cash. Extra large bulbs Augusta, Grant Pink, G. H. S. Mme. Monneret for late planting, Cormels, \$3 per bu. America Cormels, fine, \$2.50 per 1,000, prepaid. Geo. S. Woodruff, Independence, Iowa.

Bulbs, White Roman hyacinths, Narcissus, Paper White Grandiora and Trumpet Major Freesia refracta alba, etc. Alphonse Roche, Orléans (Var.) France.

Bulbs, Gladiolus, Brenchleyensis, May, Ceres, Isaac Buchanan, Pactoil, La Marck, Cinnamon vines, lilies, iris, oxalis, E. S. Miller, Wading River, L. I., N. Y.

Bulbs, Lilium longiflorum multi, 7-9, \$50 per 1,000. Giganteum, 7-9, \$65. Formosum, 7-9, \$65. Buds. 76 Barclay St., New York.

Bulbs, Harrisii and Formosum lilies, hyacinths, Paper White narcissus, J. M. Thorburn & Co., 33 Barclay St., New York.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It



Bulbs, gladiolus. For varieties and prices, see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs, tuberoses, dwarf Pearl, \$1 per 100; \$7.50 per 1,000. Weeber & Don, 114 Chambers St., New York.

Chinese sacred lilies, \$3 per 100; \$25 per 1,000. Dingee & Conard Co., West Grove, Pa.

Bulbs, all florists' varieties. H. E. Fiske Seed Co., Faneuil Hall Square, Boston.

Bulbs, Japanese. The Nippon Engel Kaisha, Ltd., Ikeda, Settsu, Japan.

Bulbs, Callas. Berrydale Exp. Gardens, Holland, Mich.

Bulbs, Winterson's, 45 Wabash Ave., Chicago.

## CANNAS.

CANNAS, pot plants, extra fine, M. Berat, Sec'y Chabanne, Cinnabar, Paul Marquant, \$3.50 per 100; Pres. Cleveland, Chas. Henderson, Mrs. Kate Gray, Pennsylvania, Egandale, Mrs. Geo. Stroheim, \$4.50 per 100; David Harum, Pres. Viger, Louisiana, Cherokee, Rubin, \$5 per 100. Wagner Park Conservatories, Sidney, O.

Cannas, King Humbert, Chas. Henderson, Ex. Crampbell, Mme. Crozy, A. Bouvier, Mlle. Berat, F. Vaughan, Souv. de A. Crozy, W. C. Beckert, 103 Federal St., Northside, Pittsburg, Pa.

Cannas, Jean Tissot, Pres. Myers, Pennsylvania, Buttercup, Louisiana, Egandale, Florence Vaughan, Alph. Bouvier, 3-in., 75c per doz.; \$3 per 100; \$25 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Cannas—Good assortment of fine bulbs and pot plants. Write if interested. Mosbaek Greenhouse Co., Onarga, Ill.

Cannas, Gladiator, Wyoming, Louisiana and assorted vars., 4-in., \$1 per doz.; \$8 per 100. A. N. Pierson, Inc., Cromwell, Conn.

Cannas, Allemania, Pennsylvania, Kate Gray, \$2.50 per 100. West End Greenhouses, Lincoln, Ill.

Cannas, 10 vars., 3½-in., \$4 per 100. Jos. H. Cunningham, Delaware, O.

## CACTI.

Cacti. Over 100 varieties of cacti, from \$7 per 100 up. Write for 28-page catalogue, and prices to the trade. Also Mexican Resurrection plants. The Francis E. Lester Company, Dept. L. S., Masilla Park, N. M.

## CARNATIONS.

Carnation Scarlet Glow, 2-in., \$12 per 100; \$100 per 1,000. F. Dörner & Sons Co., La Fayette, Ind.

Carnations, Conquest, Sangamo, Mary Tolman, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., Joliet, Ill.

Carnations. Wood Bros., Fishkill, N. Y.

## CENTAUREAS.

Centauria Gym., 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

## CHRYSANTHEMUMS.

CHRYSANTHEMUMS, R. C. Ready Now.

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| White. Per 100        | Pink. Per 100           |
| Oct. Frost.....\$2.00 | Pink Ivory.....\$2.00   |
| Estelle.....2.00      | Rosiere.....2.00        |
| W. Bonaffon.....2.00  | Dr. Enguehard.....2.00  |
| Polly Rose.....2.00   | Yellow. Per 100         |
| Robinson.....2.00     | M. Bonaffon.....\$2.00  |
| W. Chadwick.....3.00  | Monrovia.....2.00       |
| Merry Xmas.....2.00   | Robt. Halliday.....2.50 |
| Yanoma.....2.00       | Golden Beauty.....2.50  |
| Mrs. Buckbee.....2.50 | Golden Glow.....3.00    |
| Snow Queen.....2.50   | Red. Per 100            |
| White Ivory.....2.00  | Intensity.....\$2.00    |
| C. Touset.....2.00    | Black Hawk.....2.00     |

WIETOR BROS., Chicago.

Chrysanthemums, Oct. Frost, Kalb, Touset, Byron, Wanamaker, W. Cloud, Nonin, Balfour, Enguehard, G. Glow, Monrovia, Oct. Sunshine, Appleton, Halliday, Bonaffon, \$2 per 100; \$15 per 1,000. V. Poehlmann, T. Eaton, W. Chadwick, Y. Eaton, \$2.50 per 100; \$20 per 1,000. Golden Chadwick, \$3 per 100; \$25 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Chrysanthemums, rooted cuttings. White—Baby Margaret, Touset, Estelle, A. Byron, Timothy Eaton, J. Nonin, Ivory, Desjouis, Pink—Amorita (very early), Glory of the Pacific, M. Dean, Mary Mann, Rosette, F. Ivory, Yellow—Golden Glow (very early), M. Bonaffon, Y. Eaton, Crema, Robt. Halliday, Golden Eagle, Yellow Jones, Golden Baby. Send for price list. Wm. Swayne, P. O. Box 2:15, Kennett Square, Pa.

THE BIG LEADERS. Pres. Taft (glistening curly white); Gloria (the Enchantress); Mrs. W. E. Kelley (yellow); also the Xmas dollar makers, J. Rosette and Golden Chadwick, plants, \$4; R. C., \$3. Frost, Early Snow, Touset, E. May, Nonin, Shaw, Enguehard, plants, \$2.50; R. C., \$1.50. Prime stock, guaranteed. Cash only. The Union City Greenhouses, Union City, Pa.

Gloria, 100, \$2.50; Pres. Taft, Mrs. W. E. Kelly, 100, \$3; Golden Glow, Pacific Supreme, White Cloud, 100, \$1.25; R. C. prepaid. Gloria, 2½-in., \$3. Chas. Frost, Kenilworth, N. J.

Snow-White sport of Helen Frick, 2½-in., \$10 per 100; R. C., \$8; unrooted cuttings, \$5. Henry Eichholz, Waynesboro, Pa.

Chrysanthemums, Dolly Dimple, Patty, Merry Jane, \$1.50 per doz.; \$10 per 100. F. Dörner & Sons Co., La Fayette, Ind.

Chrysanthemums. We have 75 varieties, including singles and pompons, \$15 per 1,000. "Enough Sed." Ehnmann's, Corfu, N. Y.

Chrysanthemums. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Hardy chrysanthemums, 2-in., \$2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Chrysanthemums. For varieties and prices see advertisement on page 832. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

Chrysanthemum novelties. Charles H. Totty, Madison, N. J.

## CINERARIAS.

Cineraria, Maritima Can., 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Cinerarias, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

## CLEMATIS.

Clematis, Henryl, Mme. Veillard, \$3 per doz. Poniculata, strong plants, \$10 per 100; 3-in., \$5. V. vitalba, transp. seedlings, \$1 per 100; \$3 per 1,000. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Clematis paniculata, in splendid stock for lining out in field, \$5 per 1,000; 10 samples by mail, 10c. The Elm City Nursery Co., New Haven, Conn.

Clematis paniculata, field-grown, 1-yr., 5c; 2-yr., 8c. Dingee & Conard Co., W. Grove, Pa.

## COLEUSES.

Coleus, Golden Bedder and Verschaffelti, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

For sale—Coleus 10 best kinds from 3-in. pots, \$3 per 100. Cash with order. Henry Morris, 210 E. Genesee St., Syracuse, N. Y.

Coleus, Verschaffelti, Golden Bedder, 10 other varieties, 3-in., \$3 per 100. G. Schlegel, Olney, Ill.

Coleus, 2½-in., \$2 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Coleus, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Coleus, 10 var., 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus, R. C., 50c; 2½-in., \$2.50; 3-in., \$3.50. The Swan Floral Co., Lima, O.

Coleus from sand, \$6 per 1,000. E. G. Hill Co., Richmond, Ind.

## CYCLAMENS.

Cyclamens, finest stock, in separate colors, 3½-in. pots, \$10 per 100. Julius Roehrs Co., Rutherford, N. J.

## DAHLIAS.

SPECIAL FOR ONE WEEK! We want every florist to know the value of our NEW DAHLIAS, and we want them to know the high grade roots we grow and send out. Jack Rose, Rose Pink Century, Fringed 20th Century, Big Chief, 15c each; \$1.50 per doz. Sylvia, Queen Victoria, A. D. Livoni, Lyndhurst, 20th Century, 6c each; 70c per doz. All strong field-grown divisions by mail postpaid. This offer is to introduce our stock and holds only for one week. Free to your door. Fine trial at small cost. PEACOCK DAHLIA FARMS, Post Office, Berlin, N. J.

Dahlias, Black Beauty, Elegante, \$3 per 100; Arabella, Earl of Pembroke, \$4 per 100; field-grown, undivided roots. Order today. Wagner Park Conservatories, Sidney, Ohio.

Dahlias, Pape & Bergmann, Quedlinburg, Germany.

Dahlia roots, mixed to color, \$4 per 100; \$35 per 1,000. Jack Rose, Sensation, Fringed 20th Century, Beauty, Gladys, Rose Pink Century, Big Chief, \$3.50 per doz.; \$25 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

## DAISIES.

Daisies, \$2 per 1,000. J. C. Schmidt, Bristol, Pa.

## DRACENAS.

Dracena indivisa, 1-year, strong, bench grown, transplanted in Sept., \$1.50 per 100; \$12 per 1,000. Cash. E. Fryer, Johnstown, Pa.

Dracena indivisa, 4-in., \$10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Dracena indivisa, 4-in., \$1.80 per doz.; \$12 per 100; 5-in., \$25 per 100. A. N. Pierson, Inc., Cromwell, Conn.

Dracena indivisa, 5 and 6-in., 30c and 50c each, John E. Sten, Red Wing, Minn.

Dracenas. Bobbink & Atkins, Rutherford, N. J.

Dracena indivisa, 3-in., \$5 4-in., \$10 per 100. Geo. M. Emmans, Newton, N. J.

Dracena indivisa, 4-in., 10c each. Mosbaek Greenhouse Co., Onarga, Ill.

## FERNS.

NEPHROLEPIS PRUESSNERI. This beautiful new and fluffy fern now ready again. Strong 2½-in., plants at \$3 per doz., delivered anywhere in the United States by mail. By express (you pay the charges), \$20 per 100; \$175 per 1,000. Cash, please. J. D. Preussner, Galveston, Texas.

FERNS FOR FERN DISHES. Extra strong, healthy, bushy, full-grown 2½-in. stock, guaranteed to please; assortment of 12 best varieties, \$3 per 100; \$25 per 1,000; 250 at 1,000 rate. J. F. Anderson, Fern Specialist, Short Hills, N. J.

Ferns, Elegantissima Improved, 4-in., \$3 per doz.; 6-in., \$6 per doz. Superbissima, 4-in., \$3 per doz.; 6-in., \$6; 8-in., \$12. Boston, 10-in., \$3 and \$4 each; 12-in., \$5 and \$6; larger, \$7.50 and \$10. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Fern Nephrolepis Glatrasil, 2½-in., \$3.50 per doz.; \$25 per 100; \$200 per 1,000. George Glatras, 463 Summit Ave., W. Hoboken, N. J.

Fern Scholzei, 4-in., 25c. Scottil, Whitman, Boston, 4-in., 20c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns for dishes, asst., 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

Ferns, Boston and Pierson, 3-in., 8c. Whitman and Elegantissima, 3-in., 10c. Mosbaek Greenhouse Co., Onarga, Ill.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Fern Whitman, 2½-in., 2½c; \$25 per 1,000. John A. Doyle, Springfield, O.

Ferns, Boston, 3-in., 25c each. Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns, Whitman, 2½-in., \$5 per 100. Henry H. Barrows & Sons, Whitman, Mass.

## FEVERFEW.

Feverfew from seed bed, 1½c each; 2½-in., 2½c. Mosbaek Greenhouse Co., Onarga, Ill.

Feverfew, dbl. W., R. C., 75c per 100, prepaid. Chas. Frost, Kenilworth, N. J.

## FIGUS.

Ficus elastica, 22-24 ins., \$6 per doz.; \$50 per 100. Frank Oechslein, 4911 Quincy St., Chicago.

## FUCHSIAS.

Fuchsias, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

## GERANIUMS.

Geraniums, strong, 2-in. stock, Heteranthe, Nutt, Jean Viaud, La Favorite, L'Aube, Hill, \$2 per 100; \$18 per 1,000. Our selection, \$17 per 1,000. Pamela, \$4 per 100. Anastasia Lecadre, \$3 per 100. Red Wing, the best novelty of the season, 25c each; \$2.50 per doz. Write for geranium catalogue. F. H. DeWitt & Co., Wooster, Ohio.

Geraniums, 4-in. plants in bud and bloom, \$7.50 per 100; 3-in. pots, \$4.50 per 100; 2-in. pots, \$2.50 per 100. Cash with order or C. O. D. Northwestern Floral Co., Wilmette, Ill.

Geraniums, S. A. Nutt, Mme. Barney, White Swan, 4-in., \$8 per 100. Mme. Sallerol, 2½-in., \$3 per 100. J. S. Hennon & Son, Wampum, Pa.

If You Do Not Find What You Need In Our Ready Reference Department, Write Us About It.



Geraniums, John Doyle, A. H. Trego, S. A. Nutt, Beaute Poitevine, Mrs. E. G. Hill, Mme. Barney, M. Paul Blondeau, Bellerophon, etc., 4-in., \$6 per 100; 3-in., \$5 per 100; 2½-in., \$3 per 100. Fine strong plants. M. M. Michael, Dansville, N. Y.

GERANIUMS. Nutt, Grant, Poitevine, Viaud, Buchner, all true to label: Large top cuttings well rooted, \$1.25 per 100; \$10 per 1,000. Same varieties from 2½-in. pots, \$2 per 100; \$18 per 1,000. Cash. The W. T. Buckley Co., Springfield, Ill.

Geraniums, fine stock, finest and best bloomers, Nutt, Grant, Ricard, La Favorite, Poitevine, Jaulin, Trego, Perkins, etc., 4-in., all in bud and bloom, \$6 per 100; \$55 per 1,000. Double Red Silver leaf, 4-in., 10c. Samuel Whitton, 84 Churchill Ave., Utica, N. Y.

Geraniums, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Viaud, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$5 per 100. Mme. Sallerol, 2-in., \$3 per 100. G. M. Emmans, Newton, N. J.

Apple geranium, 2-in., \$2 per 100; 3-in., \$4. Standard varieties, 2-in., \$2 per 100; \$18.50 per 1,000; ivy leaved, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, Nutt, Beaute, Poitevine, good white, 4-in., all in bloom and bud, good plants guaranteed \$7, \$8 per 100. G. Schlegel, Olney, Ill.

Geraniums, standard varieties, 2½-in., 3c each; \$25 per 1,000; 4-in., 10c each; \$90 per 1,000. Mme. Sallerol, 3-in., 4c; 2½-in., 2c. Mosbaek Greenhouse Co., Onarga, Ill.

Geraniums, apple, 2-in., \$2; 3-in., \$4 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, 8 vars. 2½-in., \$3 per 100; \$25 per 1,000; 3-in., \$4. Jos. H. Cunningham, Delaware, O.

Geraniums, R. C., Ricard, Poitevine, Nutt, \$10 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Heteranthe, Doyle, 4-in., \$7 per 100. West End Greenhouses, Lincoln, Ill.

Sallerol, fine 2½-in., \$2 per 100. T. J. Feters, Harbor Springs, Mich.

Geraniums, 2½ to 4-in., \$2.50 to \$8 per 100. The Swan Floral Co., Lima, O.

## GREENS.

Greens, ferns, \$1.75 per 1,000. Galax, green, 75c per 1,000; bronze, \$6 per case of 10,000. Sphagnum moss, 12 bbl. bales, \$3.50. Green moss, \$1.25 per bbl. Laurel festooning, 4c, 5c and 6c per yd. Smilax, 50-lb. case, \$6. Pine, 7c per lb. Laurel branches, 35c per bunch. Laurel and pine wreaths, \$2 to \$3 per doz. Boxwood, \$15 per 100 lbs. Crowl Fern Co., Millington, Mass.

Greens, fancy and dagger ferns, \$2.00 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large bales, \$1.25; Leucothoe Sprays, \$1 per 1,000; \$7.50. Boxwood, 35c per bunch, 50 lbs., \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, dagger and fancy ferns, \$2 per 1,000. Bronze and green galax, \$1 per 1,000; \$8.50 per 10,000. Leucothoe Sprays, \$1 per 1,000; \$7.50 per 10,000. Henry M. Robinson & Co., 15 Providence St., Boston, Mass.

Greens, southern wild smilax, Log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax, Geo. Cotsonas & Co., 33 W. 28th St., New York.

Greens, cut palmetto and cycas leaves, galax, leucothoe, ferns, mosses, etc., Kervan Co., 113 W. 28th St., New York.

## HARDY PLANTS.

Perennial phlox, named varieties, field-grown, \$5 and \$10 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Sedum spectabilis, 2½-in., right size for planting, \$4 per 100; \$30 per 1,000. Wagner Park Conservatories, Sidney, O.

Hardy phlox, R. C., \$1.25 per 100. A. M. Herr, Lancaster, Pa.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

## HELIOTROPES.

Heliotrope, Miss Bernice, 2½-in., \$8 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Heliotropes, blue, large plants from soil, strong transplanted stock, 75c per 100; \$5 per 1,000. Samuel Whitton, Utica, N. Y.

Heliotrope, R. C., prepaed, 75c per 100. Chas. Frost, Kenilworth, N. J.

Heliotrope, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

## HOLLYHOCKS.

Hollyhocks, assorted, 2½-in., 3c. Mosbaek Greenhouse Co., Onarga, Ill.

## HYDRANGEAS.

Hydrangea Arborescens Grandiflora. We have the largest stock of strong 2-year plants in America. Plants 2 to 3 feet, \$2.50 per doz.; \$15 per 100; \$140 per 1,000. Good plants, 15 to 20 inches, \$10 per 100. List free. E. Y. Teas, Centerville, Ind.

Hydrangea Arborescens Grandiflora Alba (grown from stock obtained from The E. G. Hill Co.). Field grown 15 to 20 ins., \$7 per 100; \$65 per 1,000; a smaller size, \$5 per 100; 2½-in., \$3 per 100; \$25 per 1,000. John A. Doyle, Springfield, O.

Hydrangea Otaksa, bud and bloom, 6 in., 75c and \$1 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Hydrangea, paniculata, grandiflora, 18 to 24 ins., 6c; 2 to 3 ft., 9c. Dingee & Conard Co., West Grove, Pa.

Hydrangea Otaksa, rooted cuttings, \$1.50 per 100. J. H. Fiesser, Hamilton Ave., North Bergen, N. J.

## IVY.

Ivy, German or English, 2-in., \$2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

## JERUSALEM CHERRIES.

Solanum, Jerusalem cherries, 2½-in., \$5 per 100. Mosbaek Greenhouses, Onarga, Ill.

## LILACS.

Lilacs. Jacs Smits, Naarden, Holland.

## LILY OF THE VALLEY.

### To import.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

### From Storage.

Lily of the valley, cold storage, 250, \$3.50; per 1,000, \$13. W. C. Beckert, Northside, Pittsburg, Pa.

Lily of the valley clumps, \$2.35 per doz.; \$20 per 100. Vaughan's Seed Store, Chicago and New York.

Lily of the valley, cold storage, \$12.50 per 1,000. Buds, 76 Barclay St., New York.

## LOBELIA.

Lobelia Newport Model 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lobelia speciosa, Kathleen Mallard, Bedding Queen, 2½-in., \$2.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

## MYOSOTIS.

Myosotis, early flowering, 3-in., \$2.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

## MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture, American Spawn Co., St. Paul, Minn.

Mushroom Spawn. Sure crop, \$8 per 100 lbs. Weeber & Don, 114 Chambers St., N. Y.

## NURSERY STOCK.

Nursery stock, evergreens, shade and ornamental trees, shrubs, vines, trained dwarf and standard fruit trees, grape vines, small fruits. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas, Jac Smits, Ltd., Naarden, Holland.

Nursery stock, conifers, boxwoods, azaleas, rhododendrons, forest and fruit trees, hedge plants, etc. S. A. Vosters & Sons, Riel, Holland.

Nursery stock. Clematis, ampelopsis, tree hydrangeas, lilacs, shrubs, vines and perennials. Jackson & Perkins, Newark, N. Y.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock arbor vitae (Thuja occidentalis), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Viburnum plicatum, 2 to 3 ft., 12c. Dingee & Conard Co., West Grove, Pa.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

## ORCHIDS.

Orchids importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchids, Cattleya Trianae, labiata, Warneri, Dendrobium, Oncidium V. Rogersii. G. L. Freeman Co., Fall River, Mass.

Orchids, all commercial, cattleyas and novelties. Carillo & Baldwin, Secaucus, N. J.

Orchids. Largest stock in the country. Julius Roehrs Co., Rutherford, N. J.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

## PALMS.

Palms, Kentias, in 2½-in. pots, \$8 per 100; \$75 per 1,000. Jackson & Perkins Co., Newark, N. Y.

Palms, Kentia Fors., 6-7-in., \$2 to \$3 each. Kentia Bel., 3-in., 10c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Kentias. Joseph Heacock Co., Wyncote, Pa.

Palms, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Palms, Bobbink & Atkins, Rutherford, N. J.

## PANSIES.

Ready now, 250,000 fine large, fall transplanted pansies in bud and bloom. Superb strain; the finest market strain grown. A trial order will convince you that they are the best you ever had. You need them for your particular trade. Price, \$1.25 per 100; \$10 per 1,000. Cash with order. Leonard Cousins, Jr., Concord Junction, Mass. Telephone 82 Concord.

50,000 field-grown pansy plants. They never saw either a cold or hot bed, strong, husky plants; beautiful blooms. They are the kind that sell and please, \$20 per 1,000. Albert A. Sawyer, Pansy Specialist, Pansy Garden, Oak Park, Ill.

Pansy plants, Kenilworth strain, 100, prepaid, \$1; by express, 1,000, \$5; extra large, 1,000, \$15. Chas. Frost, Kenilworth, N. J.

Pansies, \$2 per 1,000. J. C. Schmidt, Bristol, Pa.

## PEONIES.

Peonies, all vars., Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars., W. & T. Smith Co., Geneva, N. Y.

Peonies only by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

Peonies, a superb collection. Jackson & Perkins Co., Newark, N. Y.

## PEPPERS.

Celestial peppers, 2½-in., \$2 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

## PETUNIAS.

Petunias, dbl. mixed or Dreer's single, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Petunias, dbl. seedlings, \$2.50 per 100. Jos. H. Cunningham, Delaware, O.

Petunias, 2½-in., 3c; 3-in., 5c. The Swan Floral Co., Lima, O.

## PRIMULAS.

Primula obconica, gigantea, rosea. The bright color for the holiday trade, very strong stock, 2½-in., \$2.50 per 100, cash. These will be good money makers. Freeport Floral Co., Freeport, Ill.

Primula obconica, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

## RHODODENDRONS.

RHODODENDRON CATAWBIENSE. The best of all, 12 to 20 buds, \$75 per 100; 25 to 35 buds, \$12 per doz.; larger specimens, \$15 per doz. Wagner Park Conservatories, Sidney, O.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

## RESURRECTION PLANTS.

Resurrection Plants.—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis E. Lester Company, Dept. L. S., Mesilla Park, N. M.

## ROSES.

ROSES, 2½-inch; Francis E. Willard, Mrs. Ben R. Cant, Burbank, Kaiserin, White LaFrance, M. Niel, Gruss an Teplitz, Souv. de Pierre Notting, Tausendschon, Philadelphia Rambler, White Baby Rambler, \$3 per 100; \$25 per 1,000. VEILCHENBLAU, the greatest novelty; color violet blue; extra heavy 2-year stock, 90c each; \$10 per doz. Wagner Park Conservatories, Sidney, O.

Roses, strong, clean stock, own root, Brides, Bridesmaids, Chateaufort, Golden Gate, Pink Killarney and Kaiserin, 3½-in., \$6 per 100. Grafted Pink Killarney, \$12 per 100. P. R. Quinlan, Syracuse, N. Y.



ROSES, from 2½-in. pots, fine stock. The following varieties at \$3 per 100; \$35 per 1,000; 25 plants of a kind at the 100 rate; 250 at the 1,000 rate: Agrippina, Bridesmaid, Clothilde Soupert, Catherine Mermet, Golden Gate, Mme. Abel Chateau, Mlle. F. Kruger, White Bougere, Bride, Bon Silene, Coq de Lyon, Crimson Rambler, Mrs. Ben R. Cant, Mme. Joseph Schwartz, Safrano.

The following varieties at \$3 per 100; \$27.50 per 1,000; Antoine Riviere, Cl. Meteor, Etoile de Lyon, Helen Gould, La France, Mme. de Watteville, Pink Cochet, Souv. de La Malmaison, Climbing Kaiserin, Cl. Malmaison, Gruss an Teplitz, Hermosa, Maman Cochet, Mme. Welche, Papa Gontier, White Cochet.

The following at prices named:

|                           | Per 100 |
|---------------------------|---------|
| Blumenschmidt             | \$3.00  |
| Climbing Killarney        | 4.00    |
| Cl. Perle des Jardins     | 3.00    |
| Dinsmore                  | 3.00    |
| Helen Good                | 3.00    |
| Kaiserin Augusta Victoria | 3.00    |
| Killarney                 | 3.50    |
| Margaret Dickson          | 3.50    |
| Mrs. John Laing           | 3.50    |
| Mme. Masson               | 3.00    |
| Mme. Chas. Wood           | 3.00    |
| Marchal Niel              | 3.00    |
| Perle des Jardins         | 3.00    |
| Rhea Reid                 | 3.50    |
| Sow de Pres, Carnot       | 3.00    |
| Wellesley                 | 3.00    |
| Wm. R. Smith              | 3.00    |

#### THE GOOD & REESE CO.

Largest Rose Growers in the World.

SPRINGFIELD, OHIO.

#### ROSE PLANTS, 2½-INCH POTS.

|              | 100 | 1,000 |
|--------------|-----|-------|
| Kaiserin     | 4   | 35    |
| Mrs. Jardine | 4   | 35    |
| Richmond     | 3   | 25    |

#### WIETOR BROS.

51 Wabash Ave. Chicago.

Roses, Crimson Rambler, 7-8-in., 75c to \$1.50 each. Dorothy Perkins, 5½ and 6-in., 35c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Roses, Kaiserin and My Maryland, large as 4-in., \$40 per 1,000. W. H. Elliott, Brighton, Mass.

Roses. For prices and varieties see advertisement elsewhere in this issue. E. G. Hill Co., Richmond, Ind.

Roses, on own roots, budded, bedding. H. P. S. hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses, Bride, Maid, Golden Gate, 3-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

Roses, Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

Roses, Bridesmaid, 2-in., 2½c. W. W. Coles, Kokomo, Ind.

New Rambler (violet blue). Ellwanger & Barry, Rochester, N. Y.

Roses, leading varieties. Leedie Floral Co., Springfield, O.

Roses, 3-in., Wood Bros., Fishkill, N. Y.

#### ROOTED CUTTINGS.

##### ROOTED CUTTINGS READY NOW.

|                                  | Per 100 |
|----------------------------------|---------|
| Virginia Poehlmann               | \$2.50  |
| Golden Glow                      | 2.50    |
| Pink Duckham                     | 2.00    |
| Col. Appleton                    | 2.00    |
| C. Touset                        | 2.00    |
| Wanamaker                        | 2.00    |
| Jennie Nonin                     | 2.00    |
| Dr. Enguehard                    | 2.00    |
| JOY FLORAL CO., Nashville, Tenn. |         |

#### SALVIAS.

Salvia Bonfire, strong, 2-in. plants from seed, ready to shift, \$1.75 per 100; \$17 per 1,000 cash. This is fine stock, must move it to get room. N. E. Beck, Massillon, O.

Salvia Bonfire and Zurich, 2-in., \$2 per 100; \$17.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Salvia, Zurich, Bonfire and Splendens, 2½-in., \$2.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Salvia Bonfire, 2½-in., strong plants, 3c each. G. Schlegel, Olney, Ill.

Salvia Zurich, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

#### SEEDS.

Seeds, asters, mignonette, Begonia Vernon, Cineraria, Primula Chinesis, Obconica, Salvia Bonfire and Splendens, Verbenas, Cyclamen and Pansy. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Seeds, specialties. Stocks, pansies, cyclamens, etc. Pape & Bergmann, Quedlinburg, Germany.

Seeds, Bermuda onion, Federico C. Valera, Tenerife, Canary Islands.

Seeds, Asparagus plumosus nanus. 100 seeds, 60c; 250, \$1.25; 1,000, \$4. Sprenger, 100 seeds, 15c; 250, 25c; 1,000, 75c; 5,000, \$3.25. Vaughan's Seed Store, Chl. & N. Y.

Seeds, onion, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

HYBRID GERBERAS (Adnet's strain). Crop 1910. \$9 per 1,000 seeds; \$60 per 10,000 seeds, from the originator. Cash. Adnet, Antibes, France.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

The Best Seeds for Dealers, Truckers, Plant Growers. Get price list from Francis Brill, Grower, Hempstead, N. Y.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, Phoenix Roebeleni. Sander, T. Mellstrom, Representative, 235 Broadway, New York.

Seeds, turnips: Seven-Top, Dixie, Frost King, Prize Taker. D. Landreth Seed Co., Bristol, Pa.

Seeds, asters, Vick & Hill, Box 4613, Rochester, N. Y.

Seed, pansy, 1,000 seeds, 25c; 1 oz., \$2.25. H. Wrede, Luneburg, Germany.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, Landreth Seed Establishment. Bloomsdale Farms, Bristol, Pa.

Seeds, Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds, Stokes' standards. 219 Market St., Philadelphia.

Seeds of all kinds. H. E. Fliske Seed Co., Boston.

Seeds of all kinds. Wintersen's, 45 Wabash Ave., Chicago.

Seeds, pansy. Fred. Roemer, Quedlinburg, Germany.

#### Contract Growers.

N. L. WILLET SEED CO., Augusta, Ga., offers to sell U. S. seed merchants. 1910 contracts now on following Georgia grown seeds: Collards, okra, asparagus, teosinte, turnips, Pearl millet, Velvet beans, Soy beans, peanuts, sorghum, melons, mustard, multiplying onions, Beggar weed and Look-out Mountain potatoes.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon; sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohmert, Gilroy, Calif.

Seeds, Cauliflower and cabbage. Hjalmar Hartman & Co., 31 Barclay St. New York, and 12 Stormgade, Copenhagen.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Mette, Quedlinburg, Germany.

Seeds, growers for the wholesale trade only. Braslan Seed Growers' Co., San Jose, Calif.

Seeds, field, garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, sweet peas. Anton Zvolanek, Boundbrook, N. J.

#### SMILAX.

Smilax, 2½-in., \$2.50 per 100; \$20 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

Smilax, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax, 2½-in. \$3 per 100. West End Greenhouses, Lincoln, Ill.

Smilax. Wood Bros., Fishkill, N. Y.

#### SPIREAS.

Spires. J. Smits, Ltd., Naarden, Holland.

#### STEVIA.

Stevia, R. C., prepaid, 75c per 100. Chas. Frost, Kenilworth, N. J.

Stevia, 2½-in., \$4 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

#### STOVE PLANTS.

Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

#### SWAINSONA.

Swainsona alba, 2-in., \$2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

#### VEGETABLE PLANTS.

| VEGETABLE PLANTS.                    | Per 1,000 |
|--------------------------------------|-----------|
| Cabbage, Danish Ballhead—            |           |
| Seedlings                            | \$ 1.25   |
| Transplanted                         | 2.50      |
| Cauliflower, seedlings               | 4.00      |
| Transplanted                         | 5.00      |
| Celery, seedlings                    | 1.25      |
| Transplanted                         | 3.50      |
| Egg Plants Pot plants                | 25.00     |
| Peppers Pot plants                   | 25.00     |
| Tomato, seedlings                    | 2.00      |
| Pot plants, per 100                  | 4.00      |
| Mosbaek Greenhouse Co., Onarga, Ill. |           |

Sweet potatoes: Yellow Jersey, Red Bermuda, \$2 per 1,000. Tomato: Spark's Earliana, Beauty, \$2 per 1,000. Cabbage: Early and Late, \$1.50 per 1,000. Kale, Kohlrabi, Celery, 30c per 100. Mrs. Edward Hayden, Greenville, Ill.

Tomato plants, all the best sorts from seed bed, \$2 per 1,000; transplanted, \$3 per 1,000. Cauliflower, Erfurt, large from seed bed, \$2 per 1,000; transplanted, \$3 per 1,000. Cash. E. Fryer, Johnstown, Pa.

Vegetable plants, cabbage and tomatoes, leading varieties, \$1.25 per 1,000. Sweet potato, \$1.50 per 1,000. S. J. McMichael, 142 Larkins St., Findlay, O.

#### VERBENAS.

Verbenas, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

40,000 Verbena plants in bud and bloom, \$20 per 1,000. Coleus plants at same price. J. L. Dillon, Bloomsburg, Pa.

Verbenas, assorted, 2½-in., \$2 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Lemon verbenas, R. C., prepaid, 75c per 100. Chas. Frost, Kenilworth, N. J.

#### VINCAS.

Vinca minor, the hardy vinca for cemetery planting and under trees, where grass will not grow; well rooted layers, \$1.50 per 100; \$10 per 1,000. E. Y. Teas, Centerville, Ind.

Vinca variegata, extra strong stock well set with leads, ready for shift, 2½-in., \$2.25 per 100; \$20 per 1,000; 3-in., \$5 per 100. Cash. Freeport Floral Co., Freeport, Ill.

Two-year-old, long Vinca vines, established in 4-in. pots, green, 8c; Variegated, 10c. Cash with order. B. F. Hensley, Knightstown, Ind.

Vinca variegata, 2½-in., \$2.50 per 100; 4-in., 12c each; 5-in., 20c. Mosbaek Greenhouse Co., Onarga, Ill.

Vinca variegata, 3, 4 and 5-in., 6c, 8c, 10c, 12c each; good plants guaranteed. G. Schlegel, Olney, Ill.

Vinca variegata, 4-in., \$8 per 100. J. S. Hennon & Son, Wampum, Pa.

Vinca, 2½, 3 and 4-in., \$3, \$5 and \$9 per 100. West End Greenhouses, Lincoln, Ill.

Vincas, 2½, 3 and 4-in., \$2.50, \$4 and \$8 per 100. The Swan Floral Co., Lima, O.

Vinca minor, field-grown, \$4 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

#### VIOLETS.

Marie Louise Violet plants, first quality stock, \$2 per 100; \$15 per 1,000. Swanley White, extra quality stock, \$2.50 per 100. Ready for shipment. Cash with order. J. Vonder Linden, Rhinebeck, N. Y.

Baronne Rothschild Violets, 2½-in., \$5 per 100. Cash with order.

#### GEORGE CORBETT.

College Hill, Sta. K. Cincinnati, O.

Violets, Princess of Wales, clean divisions, ready now for delivery. Cash with order, \$5 per 100; \$40 per 1,000. Kenwood Greenhouses, Tenafly, N. J.

#### KNIVES.

Razor steel, hand forged, postpaid. Propagating, 50c; budding, 35c; grafting, 25c; pruning, 75c. Cat. free. Maher & Grosch Co., 91 A St., Toledo, Ohio.

#### MISCELLANEOUS.

Pillsbury's Carnation Staple, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

#### POTS, PANS, ETC.

"NUFF SED." Best red pots are made by Geo. E. Feustel, Fairport, Iowa.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

#### STAKES.

Cane Stakes. Standard grade 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000.

Pipe stems about 6 feet per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

#### WIRE HANGING BASKETS.

Wire baskets. D. U. Augspurger & Sons Co., Box 778, Peoria, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It



Has stood the test of over a Quarter of a Century.

## THOMSON'S Vine, Plant and Vegetable MANURE

UNRIVALED  
FOR

Vines.  
Tomatoes.  
Cucumbers.  
all Flowering.  
Foliage and  
Fruit bearing  
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The result of  
many years  
practical  
experience.

PERFECT  
PLANT FOODS

Sold by  
Leading  
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Seedsmen.

Thomson's Special Chrysanthemum  
and Topdressing Manure

Freight paid on quantities. Write for our  
special offer to the American trade pamphlets,  
agents' circulars, etc., to sole makers,

WM. THOMSON & SONS, Ltd.,  
Twedd Vineyard, Clovenfords, Scotland

Mention the American Florist when writing

Sheep's Head Brand

## Pulverized Sheep Manure



The Ideal  
Plant Food  
for Florists.

Write to  
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Prices and  
Booklet.

NATURAL GUANO COMPANY,

Aurora, Ill.

## Cattle Manure in Bags Shredded or Pulverized



Pure—dry—uniform and reliable.  
The best of all manures for the  
greenhouse. Florists all over the  
country are using it instead of  
rough manure.

## Pulverized Sheep Manure

Absolutely the best Sheep Manure on  
the market. Pure manure and noth-  
ing else. The best fertilizer for carnations and for  
liquid top-dressing. Unequalled for all field use.  
Write for circulars and prices.

The Pulverized Manure Company  
32 Union Stock Yards, Chicago.

Now is the time to make up

## WIRE BASKETS

For spring selling.  
We Have the Best Basket in the Market.

Try them this season.

10-in.....\$1.50 per doz.; \$12.50 per 100  
12-in..... 2.00 per doz.; 15.00 per 100  
14-in..... 3.00 per doz.; 20.00 per 100

D.U. Augspurger & Sons Co.

Box 778, PEORIA, ILL.

BRIGHTON, MASS.—C. E. Holbrow,  
Oak Square, is building several green-  
houses on his Tremont street property.

# AMMONIATED LAWN LIME

## Kills Weeds — Makes Grass Grow

Applied as a light top dressing to lawns it kills all flat leaved weeds, such  
as Dandelion, Daisy, Plantain, Sorrel, Chickweed, Moss, etc., in 48 hours,  
and without other fertilizer produces a wonderful, luxuriant, rich, green growth  
of lawn grasses, which is distinctly noticeable 50 feet away.

The use of Ammoniated Lawn Lime supersedes hand weeding of lawns,  
putting greens, etc. It saves the grass from being pulled up and in many cases  
ruined. Grasses take a new vigorous growth, avoiding probable trouble in future.

Quantities: If very weedy, 1 lb. to 40 square feet; 25 lbs. to 1000 square feet  
(20x50). Half to one-quarter amount if moderately weedy.

## Absolutely Guaranteed

Money Refunded if Not Satisfactory

PRICES: 5 lbs., 50c; 25 lbs., \$2.00; 50 lbs., \$3.50; 100 lbs., \$6.00; 1000  
lbs. and over, 5c per lb. We will ship a 100-lb. bag of Ammoniated Lawn  
Lime at \$6.00, f. o. b. Louisville, to any superintendent of a cemetery, park or  
private estate where references are furnished. It is absolutely guaranteed as  
represented, if used as directed; if not satisfactory, we are to be notified within  
30 days from date of invoice.

Descriptive Circular on request.

SUPERIOR CHEMICAL CO.,

Incorporated  
Manufacturers,

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## The "Meyer Green Silkline"



is the only Green Thread that  
should be used by florists and  
growers. It is guaranteed full  
weight and full measure.

Also Violet Thread for tying up Vio-  
lets. Price of both, \$1.25 per lb.

For sale by all first-class supply  
houses. If your dealer does not  
carry it in stock, write us direct,  
giving us his name.

JOHN C. MEYER & CO., 1449 Middlesex St., Lowell, Mass.

## Evergreen Brand Flower Fertilizer.

A Pure Plant Food immediately available. It permanently enriches the  
soil. It prevents the onslaught of plant diseases or insect pests. Can be  
used at any time during the growing season, dry or in solution. Put up in  
12 pound cans, Price, \$2.00 each.

For Sale by Leading Jobbers

Further information can be obtained from

D. D. JOHNSON CO., 64-66 Wabash Ave., CHICAGO.

## The Mastin Automatic Whitewash and Spraying Machine Is Reliable, Practical and Durable



The tank is made of galvanized sheet steel, and in brass.  
The pump is of brass throughout, simple and powerful.  
The mixing device keeps the contents of the tank well stirred up from  
start to finish.

When the machine is filled to within six inches of the top, a few strokes  
of the pump will compress enough air in the tank to produce a continuous  
mist-like spray for 15 minutes.

All parts are made to gauge and may be had for repairs.

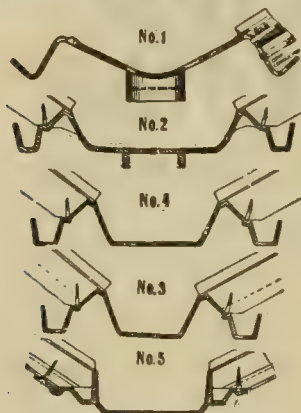
Ask your dealer about our Extension Hose, Extension Rods,  
and the Mastin Whitewash Nozzle for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. MASTIN & CO., 3124 West Lake St., CHICAGO, ILL.



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Ask the man who has tried them. For further particulars, write to

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DES PLAINES, ILL.

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## Materials and Plans for any size and style of GREENHOUSE

for new structure or repairs.

**Hot Bed Sash** In stock or any size required.

**Pecky Cypress**

for benches, lasting and least expensive.

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## THE STANDARD VENTILATING MACHINERY



The original machine with self-oiling cups. The most powerful, least complicated, very compact, with ease of operation.

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Over six miles in use and highly recommended by all. The only **Drip Proof** gutter on the market.

### The Standard Return Steam Trap

It has no equals for simplicity or its working. Catalogue free.

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### Greenhouse Building.

Pawtucket, R. I.—Estate of Wm. Hoffman, one house 38x128 feet; one 28x100 feet; also rebuilding several other houses.

Watertown, Mass.—J. W. Stone, one house 43x230 feet; one 46x100 feet.

Providence, R. I.—John A. Macrea, one house 50x400 feet.

Memphis, Tenn.—Otto Schwill & Co., 12 or 14 greenhouses.

Brighton, Mass.—C. E. Holbrow, several greenhouses.

Davenport, Ia.—H. G. Pauli, three houses, 27x105 feet.

Cornwall, Conn.—J. E. Calhoun, one greenhouse.

Milton, Mass.—C. F. Fairbanks, one greenhouse.



## Reducing Eave Shade

**R**EDUCING it is one thing and to have it strong and enduring is quite another. One without the other is worthless. These things—and more—are exactly what are accomplished by our Patented Galvanized Ice-Clearing Eave Plate with Sash Bar Clasps attached.

You don't have to buy our house to get our eave—we sell it separately. See the Handy Hand Book for particulars. Write for prices.

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Whenever we make a piece of material it is our aim to turn out the very best that can be produced; high quality is our object for nothing else will satisfy the man who wants to build a greenhouse and make a success. There can be no success without this striving after quality; without there be an effort to produce something better than was produced before. The man who believes in selling poor stock, low class goods, and gets what he can for his work, never progresses or succeeds permanently. We are working hard to make our construction more modern, to improve our patterns and our methods of manufacture, we must keep up with the times and stand at the head of the procession or drop out of the line. Prices are to be considered of course, in everything, but it's quality that counts after all. You forget the price but you don't forget the quality—

It's not what you pay but what you get for what you pay—that is economy.

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No. 4 Greenhouse Materials.  
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Use our patent  
Iron Bench  
Fittings and  
Roof Supports.

THE JENNINGS IMPROVED  
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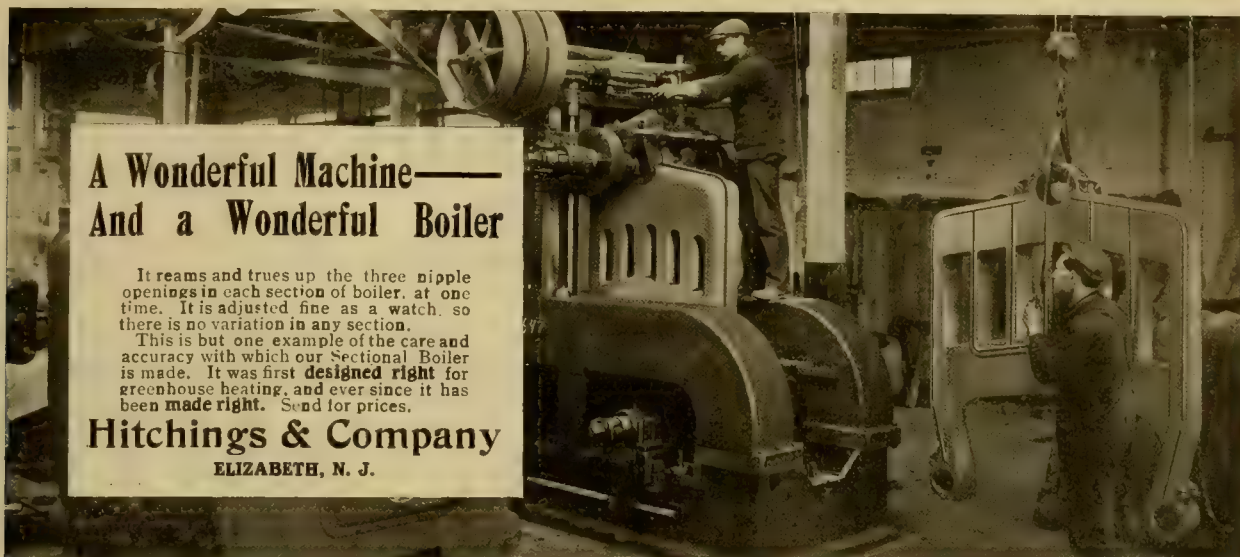
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VENTILATING  
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**A Wonderful Machine—  
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It reams and trues up the three nipple openings in each section of boiler, at one time. It is adjusted fine as a watch, so there is no variation in any section.

This is but one example of the care and accuracy with which our Sectional Boiler is made. It was first designed right for greenhouse heating, and ever since it has been made right. Send for prices.

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ELIZABETH, N. J.

## "PIPE AND FITTINGS"

**1,000,000**

**FEET OF STANDARD PIPE**

All sizes, thoroughly overhauled and in good condition. 2,000 feet of 24 to 72-inch riveted steel pipe. We can save you one-half.

6,000 feet lap welded casing, fitted with Dresser couplings, in first-class condition; 9 $\frac{3}{8}$ -inch inside diameter, 10-inch outside diameter; will answer the purpose of standard pipe in most cases.

Send for complete List No. 912.

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35TH AND IRON STS.  
CHICAGO.

## WILKS' Hot Water Boilers

ARE THE MOST ECONOMICAL

Boiler for Greenhouses

No Night Fireman Required  
with our

**SELF-FEEDING HOT WATER BOILERS.**

Send for Catalog and Prices.

**S. WILKS MFG. CO.,**

3503 Shields Ave. CHICAGO.

Newport, R. I.

A regular meeting of the Horticultural Society was held on Tuesday evening, May 8, President James Robertson in the chair. The executive committee reported progress on the premium list for the fall shows. So far the list shows quite a reduction in the amounts offered for premiums and many of the usual classes are left out entirely, the general feeling being that in the past the society has been too generous and that a spirit of rivalry without considering alone the amount of money offered, should be engen-

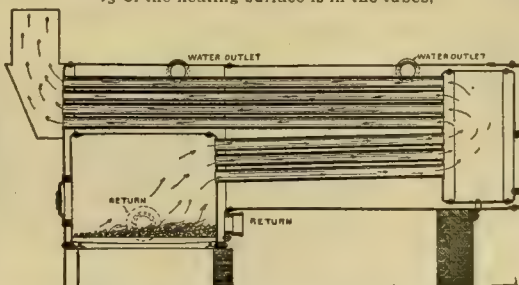
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RETURN FLUE FIRE BOX BOILER

contains more heating surface, and less water space than any other steel boiler.

$\frac{2}{3}$  of the heating surface is in the tubes,

Ask the man that knows the one using different style boilers—names are yours for the asking.



After using our boiler one season, you will say like all others: Nothing but "Superior" for me.


This boiler has given better satisfaction than any other boiler on the market

MADE IN NINE (9) SIZES FOR HOT WATER.

Send for catalogue and list of growers that are using this boiler.

THE SUPERIOR MACHINE & BOILER WORKS, 840-850 Superior St., Chicago.

## THE KROESCHELL BOILER

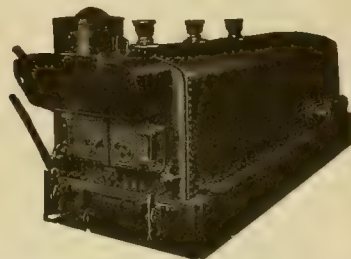
is the only perfect  
HOT WATER BOILER. 

We manufacture every type of boiler in use, but our greenhouse boiler, because of its special construction, possesses many advantages over any other type.

Prices and catalogue on application.

**KROESCHELL BROS. CO.**

452 W. Erie St. CHICAGO



## Steel Return Tubular Boilers

The Most Economical Type of Boiler for Greenhouse Heating. Highly recommended by well-known florists.

**JOHNSTON HEATING CO., 138 E. 31st St., NEW YORK.**

Samuel Haire, for many years gardener for the late Gordon McKay, is now gardener for Reginald Vanderbilt at Sandy Point Farm, South Portsmouth. J. BRINTON.

dered. The president named two committees on awards for the year, composed each of three members, as follows: John T. Allen, John Mahon and William McKay; Alexander MacLellan, Bruce Butterson and John A. Forbes. As the society has among its friends, not in membership, some who annually donate money or kind toward the premium list, it was voted that all such be elected to honorary membership, and 13 persons, ladies and gentlemen, were so elected. It was proposed that the revision of the by-laws be taken up at an early date.



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STRONGEST  
BEST PACKED  
EASIEST APPLIED

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| 24 sheets.....   | \$ 0.75 |
| 144 sheets.....  | 3.50    |
| 288 sheets.....  | 6.50    |
| 1728 sheets..... | 35.10   |

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OVER 40% NICOTINE

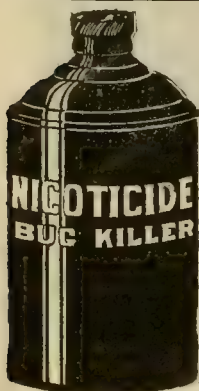
By far the  
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JUST NOTE PRICES

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| Pint.....       | \$ 1.50 |
| 1/2 Gallon..... | 5.50    |
| Gallon.....     | 10.50   |
| 5 Gallons.....  | 47.25   |

Furnishes the  
Most Nicotine for the Money!

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville Ky.



THE BEST  
Bug Killer and  
Bloom Saver

For PROOF  
Write to

P. R. PALETHORPE  
COMPANY,  
Owensboro, Ky

Albany, N. Y.

Local retailers are well pleased with results of sales on Mother's day. The public began to buy on Saturday and the demand kept increasing until Sunday at noon when everything available was sold out. The demand for white carnations was very heavy and were it not for the fact that some of the public in many instances were willing to take other flowers or colored carnations it would have been impossible to supply the demand for white ones for all. The crop of white carnations on the part of local growers was somewhat off this year and orders were sent to the district around Boston and down the river in considerable amount. The increase in sales over the same day last year may be conservatively estimated at 20 per cent.

John T. Travison, who for some time had been in the employ of F. A. Danker, has started a retail store at 335 South Pearl street.

R. D.

Pittsburg.

TRADE FAIR.

Trade has continued fairly active during the past week. Of course Mothers' day created an unusual demand for white carnations and other flowers. This day is steadily growing better each year as a flower day, and if the retailers can persuade the public to wear other colors besides white it bids fair to be a big day. The top price, wholesale, for white carnations was six cents and this price held pretty steady. Good colored stock held stiff at three cents. Roses sold well at their usual price. Other flowers also found a good market at rather reduced figures.

The McCallum Co. has installed quite a novel stairway. They recently installed a summer salesroom in the basement and, in order to get a front entrance, arranged their second floor stairs in such a way that they will swing up from the bottom, leaving an entrance under them into the basement, a system of weights and pulleys making it effective and simple.

# APHINE

Is proving

A Most Effective

while at the same time

Absolutely Harmless  
Insecticide

For use on young stock.

It Destroys the Insects and  
Invigorates the Plants

Have you tried it?

Aphine Manufacturing Co.  
MADISON, N. J.

## Carman's Antipest

INSECTICIDE AND FUNGICIDE

For the Garden, Orchard and Greenhouse

Non-poisonous and harmless to vegetation.

Kills Green Fly, Aphides, Bark Lice,  
Thrips Mealy Bug, Red Spider,  
Scale, Wire Worms, Ants  
and Slugs.

This is the grower's Friend. Handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. \$1.50 per gallon. Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,  
FLUSHING, N. Y.

Miss McKinley, of Randolph & McClements, recently spent a week in Washington, D. C. This firm has had several good decorations at the Duquesne club recently.

James Lasky has opened another street stand at Fifth avenue and Smithfield street.

P. Maier has purchased the greenhouses which he was running at Woodville.

The Pittsburg Cut Flower Co. was first in the market with peonies.

V. A. Cowgill, Salem, O., was married May 5.

M. J. Farney of Rice & Co. was a recent visitor.

# RAFFIA



We are positively Headquarters  
for two best grades—bales or ten  
bales.

NEW YORK or CHICAGO,  
Vaughan's Seed Store.

green flies and  
black ones too

are easy to kill with  
The Fumigating Kind Tobacco Powder  
\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back;  
why try cheap substitutes that makers do  
not dare to guarantee?  
THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.



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TRY US..

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLDS LARGEST MANUFACTURERS

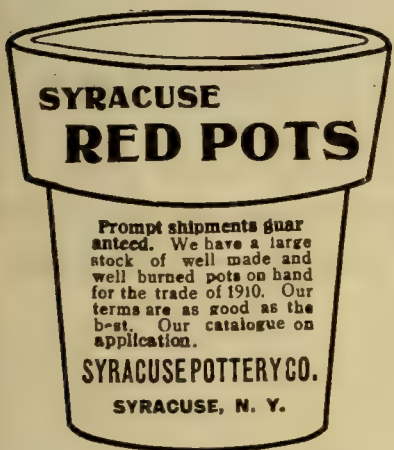
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Established 1785.  
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LONG ISLAND CITY, N.Y.



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SYRACUSE, N. Y.

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“STANDARDS”

Full size and wide bottoms.

BULB PANS and AZALEA POTS

DETROIT FLOWER POT M'FY

HARRY BALSLEY, Detroit, Mich.  
Rep. 490 Howard St.

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Are the best and cheapest plant boxes in the market for large plants, boxwoods, bay trees, etc. They are attractive in design strong and durable. Suitable for either outdoor or indoor use. Write for prices.

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I. N. KRAMER & SON, Cedar Rapids, Iowa

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO

MANUFACTURERS  
PHILADELPHIA, PA.

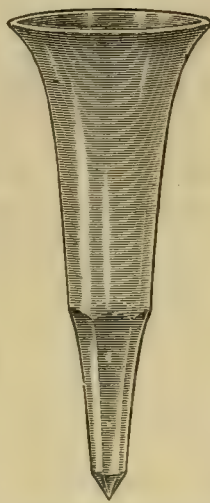


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Florist Novelties

Manufacturer and Patenter of  
The Only Genuine Immortelle  
Letters on the market.  
Order at once.

CHAS. AUG. KRICK,  
1104-66 Greene Ave.,  
BROOKLYN, N. Y.

Every letter marked.



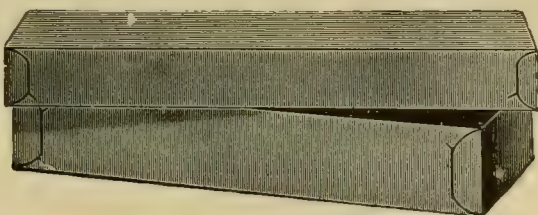
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Vase

MADE OF SOLID MOULDED GLASS

12 inches high, with wide flaring mouth.  
Can be supplied in green or white.  
Doz., \$2.50: barrel of 3 doz., \$6.00,  
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CUT FLOWER  
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All sizes, lowest prices. Write

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MILWAUKEE



Sterling Iron Reservoir Vases

Chairs, Settees, Hitching Posts, Etc.

Complete Catalogue and Discounts Upon Request.

The Sterling Emery Wheel Mfg. Co., OHIO, U. S. A. TIFFIN,

Standard Flower Pots!

Packed in small crates, easy to handle

|                       | Price per crate |                      | Price per crate |
|-----------------------|-----------------|----------------------|-----------------|
| 1500 2-in., in crate, | \$4.88          | 144 6-in., in crate, | \$3.16          |
| 1500 2½ " "           | 5.25            | 120 7 " "            | 4.20            |
| 1500 3 " "            | 6.00            | 60 8 " "             | 3.00            |
| 1000 3½ " "           | 5.00            | HAND MADE            |                 |
| 800 4 " "             | 5.80            | 48 9-in., in crate,  | \$3.60          |
| 500 4 " "             | 4.50            | 48 10 " "            | 4.80            |
| 456 4½ " "            | 5.24            | 24 11 " "            | 3.60            |
| 3 0 5 " "             | 4.51            | 24 12 " "            | 4.80            |
| 210 5½ " "            | 3.78            | 12 14 " "            | 4.80            |
|                       |                 | 6 16 " "             | 4.50            |

Seed pans, same price as pots. Send for price list of cylinders for Cut Flowers. Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY: Fort Edward, N.Y.  
or AUGUST ROLKER & SONS, New York Agents  
31 Barclay Street, New York City.

All The Clay

FOR OUR

Florists' Red Pots

Is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We ship over five lines of railroad by river or interurban. Write for catalogue showing all the articles we make for florists' use.

THE PETERS & REED POTTERY CO.

ZANESVILLE, OHIO.

Mention the American Florist when writing



Standard Flower Pots

Porosity and Strength  
Unsurpassed.

Write for prices.

A. F. KOHR

2934-36-38 Leavitt St., CHICAGO



GEO. KELLER & SON,  
Manufacturers of  
Red Pots

Before buying write for prices.  
2614-2622 Herndon St.  
CHICAGO.

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**MASTICA**  
FOR Greenhouse Glazing  
**USE IT NOW.**  
**F. O. PIERCE CO.**  
12 W. BROADWAY  
NEW YORK

**MASTICA** is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass, as occurs with putty. **Lasts longer than putty.** Easy to apply.

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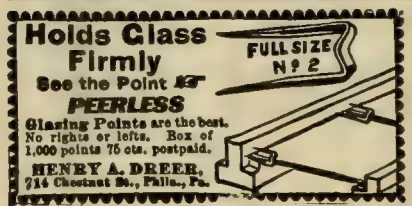


**Superior**  
Crimped Invisible **Carnation Staple**

PATENT APPLIED FOR.)

For repairing split carnations. 1000 for 50 cents Postpaid.

L. J. WAITE, 293 Main St., Springfield, Mass.



**Holds Glass Firmly**  
See the Point at **PEERLESS**  
FULL SIZE No. 2  
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.  
**HENRY A. DEER,**  
714 Chestnut St., Phila., Pa.

Cleveland.

There has been a steady demand for stock the past week. Outdoor stock not being overplentiful the carnation and rose growers are reaping the benefit. Kaiserin and President Carnot roses are in good crop at present and strong favorites. Easter lilies and callas are plentiful and meet with an excellent demand. String smilax has been in good demand. Asparagus plumosus and A. Sprengeri have been a little short of the demand. Sweet peas are not quite so abundant, the better grades selling rapidly. Carnations are still short of the demand. A few baby gladioli are on the market. Tulips are part of everyday stock. American Beauty is in good supply with a good demand, and the quality was never better.

NOTES.

Geo. Rettig has been appointed city forester to succeed Wm. Frink, who resigned. Rettig has been in the employ of the park department 14 years; he originally came from Chicago where he assisted in laying out the world's fair grounds. M. H. Howath is consulting forester, being one of the best landscape architects in the west.

At the dedication exercises of the Engineers' building Saturday, the speakers' stand in Central armory was profusely decorated with flags and flowers. Large bouquets of American Beauty roses and floral designs were everywhere, each bearing a card of congratulation from a bank or business house.

A \$200,000 fire on Lorain avenue gave the Ehrbar Floral Co. quite a scare for a time as it threatened its store. Miss Lillian Ehrbar and clerks carried such valuables as books, ribbons, etc., out of the store to a place of safety.

There will be a ball game between the retailers and the wholesalers Monday, May 30, at University grounds on Lexington avenue. Game called at 2:30 p. m.

# Attention!! Glass Buyers!!

## GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.

Quality A. No. 1. Prompt shipments.

## Hooker's Greenhouse White Paint

The most durable white paint for this purpose.

Half barrels, (25 gallons) per gal., \$1.70. 5 gal. pails, per gal., \$1.75

## H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

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## SPLIT CARNATIONS

Quickly and easily  
Mended.  
No tools required.

Pillsbury Carnation Staple

2000 for \$1.00 postpaid.

**I. L. PILLSBURY,**  
Galesburg, Ill.  
Windsor, Ont.

Lock the door before the horse is stolen,  
and insure your glass before it is broken.

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**JOHN G. ESLER, Secretary**  
SADDLE RIVER, N. J.

GET OUR PRICES ON

Galvanized Wire Rose Stakes and Tying Wire

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Manufacturers of the Model Plant Supports for  
Carnations, Dahlias, Golden Glow, reonies  
Chrysanthemums and Tomatoes.

63-71 Metropolitan Ave. **BROOKLYN, N. Y.**

## Wired Toothpicks

10,000, \$1.75; 50,000, \$7.50. Manufactured by

**W J. COWEE,** Berlin, N. Y.

Sample free. For sale by dealers.

## REED & KELLER, 122 W. 25th St., NEW YORK. FLORIST'S SUPPLIES.

We Manufacture all Our  
**Metal Designs, Baskets, Wire Work,  
and Novelties,** and are dealers in **Glass-  
ware, Pottery, Decorative Greens** and  
all **Florists' Requisites.**

Milford Parks did a good business at his stand at Luna park which opened Saturday, May 14 with the locomotive engineers' outing.

Bert Cliff, of Cliff & Son, Superior street, is in the hospital, having been operated on for appendicitis.

G. W. Mercer is on the sick list and will be unable to take care of his business this spring.

The Cleveland Florists' Exchange is handling large consignments of pansies for planting. C. B.

## Greenhouse Construction.

BY L. R. TAFT.

A complete treatise on greenhouse structure and arrangements of the various forms and styles of plant houses, for professional florists as well as amateurs. All the best and most improved structures are clearly described. The modern and most successful methods of heating and ventilating are fully treated upon. Special chapters are devoted to houses used for the growing of one kind of plants exclusively. The construction of hotbeds and frames receives appropriate attention. Over 100 excellent illustrations. 210 pages. 5x7 inches. Cloth \$1.50.

**AMERICAN FLORIST CO.,**  
324 Dearborn St., **CHICAGO.**

Superior Quality.

Hand Made.

## Greenhouse Glass

Why not buy the best. Write us for discounts.

We can save money for you.

**BAUR WINDOW GLASS CO.**  
**Eaton, Indiana.**



**SIEBERT'S ZINC**  
Never Rust  
**GLAZING POINTS**  
Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes  $\frac{3}{8}$  and  $\frac{1}{2}$ . 40c per lb. by mail 16c extra; 7 lbs. for \$2.50 15 lbs. for \$5.00. by express. For sale by the trade.  
**RANDOLPH & McCLEMENTS, Successors to**  
Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

## A. HERRMANN,

Cape Flowers, all colors, Cycas  
Leaves, Metal Designs and all  
Florist Supplies.

—Send For Prices—

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## H. BAYERSDORFER & CO.

**Florists' Supplies.**

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Send for our new catalogue.

**Always** mention The American Florist  
when you order stock. . . .



# THE AMERICAN FLORIST



*America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."*

Vol. XXXIV.

CHICAGO AND NEW YORK, MAY 28, 1910.

No. 1147

## THE AMERICAN FLORIST

TWENTY-FIFTH YEAR.

Copyright, 1910, by American Florist Company.  
Entered as Second-Class Matter Nov. 11, 1891,  
at the Post Office at Chicago, Illinois,  
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

**AMERICAN FLORIST COMPANY,**  
324 Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Eastern Office: 1133 Broadway, New York.

Philadelphia, Pa.: Robt. Kift, 1725 Chestnut St.

Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a  
year; Canada, \$2.00; Europe and Countries  
in Postal Union, \$2.50. Subscriptions  
accepted only from the trade. Vol-  
umes half yearly from August, 1901.

Address all correspondence, subscriptions, etc.,  
American Florist Co., 324 Dearborn St., Chicago.

### SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—F. R. PIERSON, Tarrytown, N. Y.,  
Pres.; FRED W. VICK, Rochester, N. Y., Vice-  
Pres.; H. B. DORNER, Urbana, Ill., Sec'y;  
WM. F. KASTING, Buffalo, N. Y., Treas. Next  
meeting at Rochester, N. Y., August 16-19, 1910.  
Second National Flower Show, Boston, Mass.,  
March, 1911.

### CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition, in conjunc-  
tion with the Morris County Gardeners' and  
Florists' Society, Morristown, N. J., November  
2, 3 and 4 1910. ELMER D. SMITH, Adrian, Mich.,  
President; C. W. JOHNSON, Morgan Park, Ill.,  
Secretary.

### THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at  
Boston, Mass., March, 1911. FRED. BURKI,  
Pittsburg, Pa., President; A. F. J. BAUR, Thirty-  
eighth St. and Senate Ave., Indianapolis, Ind.,  
Secretary.

### AMERICAN PEONY SOCIETY.

Seventh annual meeting at Horticultural Hall,  
Boston, Mass., June 9-10, 1910. B. H. FARR,  
Reading, Pa., Pres.; A. H. FEWKES, Newton  
Highlands, Mass. Sec'y.

**Turn Your Surplus  
Stocks Into Cash  
By Advertising in the  
Ready Reference  
Department.  
See Page 885.**

## HALF HOUR CHAPTERS FOR PLANT GROWERS

### Poinsettias.

The old plants of poinsettias that have been resting under the benches must be got up without further delay and placed on a light bench, where they can be sprayed daily in fine weather to induce a full break of young shoots for propagating. Beyond removing any very weak or shriveled wood they should not be cut back, as it is easy to rub off any top shoots that are not strong enough for propagating, depending on the lower, stronger ones for stock. The cuttings should be left until there are three or four good leaves developed before taking them off, and they can then be removed with a thin slice of the bark from the stem. Take them with a keen knife and dip the ends in dry sand until enough have been taken. They root easily in the ordinary propagating bench with a little bottom heat if kept moist and shaded. As soon as rooted they must be potted and spaced out on a bench in a light house to keep them dwarf and prevent their running away to thin drawn growth.

### Pot Chrysanthemums.

There is quite a difference in the culture of chrysanthemums for pots and for cut blooms even early in the season. Growers for cut flowers like to keep their plants more or less soft and green right along, but with plants for growing into neat little specimens in pots their luxuriance must be more or less checked. The plants need not be starved; there is a great difference in this and in allowing them to have their head and grow as fast as possible. Pot plants should be propagated early and pinched to keep them dwarf. The first removal should be into small pots and here they should remain until the latter are well filled with roots, when as small a shift as can conveniently be made should be given. The soil at each shift should be made very firm to cause a hard, vigorous growth and the shoots must be pinched regularly to insure a bushy plant. From this

time on it is impossible to keep the plants too cool. In many localities the plants seem to do better in frames than fully exposed, but, as a rule, a plant protector with means of light shading is about all that is necessary, and if a careful watch is kept for insects the plants will be all right. Under these conditions the foliage will be hard and likely to stand well on the growth, and the latter will be slow but solid and of the kind that produces plenty of flowers. Keep a careful watch for green fly and spray with a good nicotine preparation at once if any is seen.

### Celosias.

Seedling *Celosia pyramidalis* should be looked after carefully, as the plants will be very useful in the summer after the bulk of the flowering plants are over. They should not be allowed to draw in the seed flats before being pricked out at about two inches apart each way. Lift them carefully with a label, have the soil loose and comparatively dry so that it falls down easily around the roots. As soon as a flat is filled take it to the bench where it is to remain and water thoroughly, giving a light shade for a few days. Allow plenty of air after the plants become established to keep them sturdy and hard, and as soon as the foliage meets the plants can be potted singly in 2-inch pots. A lightly shaded frame is best for the early summer culture of this pretty plant, but if this is not at command it will do very well on a light greenhouse bench sufficiently shaded to prevent injury to the foliage, but not enough to cause the plants to draw up long.

### Hydrangeas.

Cuttings rooted in February and March should by now be ready for potting and spacing out on a light bench or frame, where they must be kept growing steadily right along and not allowed to become potbound. In the culture of these plants the principal point to keep in mind is the production of hard, sturdy shoots



that, if well ripened by exposure to sun and air in fall, will throw large, shapely heads of flowers next season. Some growers root three or five plants in a pot, others a single cutting taken to a single flower, while others keep the plants single but pinch them to form two or more heads of bloom. Whatever system is followed, the idea to keep in mind is the same. We must have good, sound, prominent buds on the shoots if fine flowers are looked for, and these can only be produced by a free growth kept sturdy by plenty of light and air. Over-watering at any time, also over-feeding with liquid manure, must be carefully avoided, as either leads to a pale yellow tint in the foliage that is very unsatisfactory. To properly perform their functions, and by elaborating the sap help to swell up good buds, the large leaves must be healthy and exposed to every ray of light possible. The yellowing is a disease and diseased leaves cannot accomplish this.

#### Pelargoniums.

After the flowers of the regal and show pelargoniums are over the growth should be well ripened. This is best done by placing the plants outdoors in the sun or in a plant protector. Just at first a little shade should be put on, especially if the foliage is at all soft, as it is not good policy to let the leaves be damaged. After a few days the leaves will be inured to the altered conditions and the shading can be removed. For propagating purposes almost any kind of growth will be satisfactory and may be selected at any time now. The bulk of the plants should not be cut back for another month at least, when the growth should be shortened to within a few eyes of where it started last season and the plants practically dried off. Should stock be scarce this wood will strike all right if cuttings are made, placed three or four in a pot or in flats and put right in the full sun and kept wet.

#### Summer Conditions.

After Memorial day, when all the bedding and similar stock has been taken from the houses, there is more room for spreading out young stock that is coming along for fall and winter. A thorough examination of all benches should be made and any repairs necessary carried out. While up to the present the trouble has been to keep stock warm, from now on the aim of the grower will be rather to keep it cool by the admission of plenty of fresh air and by shading. A good run of frames is an excellent aid to the plant grower in summer. By judicious ventilating and shading a much more congenial atmosphere can be maintained in them than in the greenhouses, which are always more or less hot and dry in summer. Besides this, young plants of such stock as cyclamens, Jerusalem cherries, peppers, celosias and primulas are kept with their heads up near the glass and consequently are not inclined to draw but keep dwarf and stocky. For much of this class of stock a stage raised a few inches is placed in the frame and is very convenient for dampening the atmosphere by spraying or hosing down underneath without any risk of damaging the plants.



ELKS' WINDOW AT THE IDLE HOUR NURSERIES, MACON, GA.

Arranged for the Elks' Convention, May 18-19.

## THE RETAIL TRADE

### Elks Windows at Macon, Ga.

The illustrations herewith show two windows put up by the Idle Hour Nurseries, Macon, Ga., for the Elks' convention held in that city May 18-19, respecting which the firm writes: "The girl in one of the pictures is riding in a chariot drawn by a life sized elk. She is dressed in white silk with a purple sash across her shoulder with the letters B. P. O. E. on same, with words on a silk bando around her head 'Hello Bill.' The flowers used in this were larkspur and Easter lilies, with purple and white cheese cloth for a background.

"The other picture represents a woodland scene with an elk drinking at the spring beneath the overhanging rocks with palms and araucarias growing here and there. Blue paper was used for the sky with white clouds painted on same; purple and white stars were cut out in the sky and Halley's comet is seen on the right with the moon in the background but it is slightly covered by a palm leaf. In the front part of the picture is seen two wagons painted purple and white with 12 elks draw-

ing each wagon. The harness is made out of purple and white silk, the words and letters on the wagons are 'B. P. O. E.' and 'Hello Bill' in gold letters. All the flowers used in this were purple larkspur, growing all over the spring. Purple and white lights were used in the windows, which certainly were drawing cards. The best advertising a retailer can do is to keep his windows in the front rank at all times. We always put our windows in a week ahead of the time fixed for any affair that is held in the town. This keeps us in front at all times. Prizes were offered by the Macon lodge of Elks No. 230 for the best decorated windows and automobile, for which we won the first two prizes. The decorations were executed by our own designers."

### May Flowers in the New York Stores.

American Beauty roses, always a good proposition, have been selling very well this month on account of steamer orders. An enormous amount of stock is handled by local retailers for presents to departing tourists and traders throughout the country should note this, as they can secure good terms from their brethren in this city who make a specialty of filling out-





ELKS' WINDOW AT IDLE HOUR NURSERIES, MACON, GA.

For the Elks' Convention May 18-19

of-town orders. Other roses, particularly Killarney and White Killarney, have been going very well. There is also a fair demand for Chateaufort and My Maryland. The demand for red roses is limited at this season, but as Richmond seems to be the most popular red rose, it sells better than any other, possibly because it is not plentiful. We may as well write "finis" for the Bride and Bridesmaid roses. In their day and generation they played a worthy part, but they are now almost altogether superseded by Killarney and White Killarney. We regret the passing of these old favorites but it is inevitable, and growers should note this fact.

Carnations have not been as plentiful this month as they usually are in May, but there has been enough to supply all demands. It is said by some of the leading retailers that they do not care to handle the so-called novelties for the reason that the wholesale prices were too high. As previously outlined in these notes, it is evident that prices must be reduced. We are playing no favorites but we warn all branches of the trade that the plain people are growing wiser, and that, considering the tremendous output of flowers, it would be much

better for growers, commission men and retailers to get together and come to a reasonable understanding. The sale of flowers on the streets of this city has grown to be an abuse and a disgrace to the trade. We look to reputable dealers to correct it. Referring again to carnations, it may be said that, while Enchantress is yet a popular flower, there is a general impression that it is deteriorating. This will not be news to the experts, as it embodies the history of nearly every new flower that has been put on the market in the past 25 years.

Orchids are now arriving in very fine quality, and our local growers are putting forth their best efforts to knock the persimmons from the tall trees at the Boston show this week. Good gardenias sell well, but there is a large amount of inferior stock that is going for a song—going on the street corners or any other place where cheapness and not quality is the watchword. Although the best varieties of peonies have not yet arrived, there is a considerable amount of stock on the market. It has been selling at a fair price, but does not seem to greatly interest buyers. The same may be said of gladioli. While America and other good varieties

brought a big price when they first came in, the interest in them seems now to be waning. We are suffering from a surplus of good things. Sweet peas are good property and it is doubtful if any of what may be termed minor stocks, sell as well as they do. The winter flowering sweet peas cut a large figure in the trade of this city and it is now hard to see how we could do without them. Stocks and snapdragons are plentiful. These flowers are very useful in making up bunches and some of the retailers use them to advantage, in glasses, for exhibition purposes, in their show windows. The white and yellow daisies are also in the same class.

Lilac has been a very salable stock this season and an immense amount of it has been handled. It appeals to the people who were reared in the rural districts, of whom there are many thousands in this city. An unusually large amount of good white lilac has been sold here during this month. German and Spanish irises may be seen in fine quality. It is classed among the spring flowers, and is what people are looking for and it sells well. While pansies are generally considered to be old-fashioned flowers, their popularity does not wane. Thousands of them may be seen daily on the market. Lilies and lily of the valley are plentiful but rather slow. The outdoor lily of the valley is now on the market in quantity. It sells for less than one-half the price that is asked for the greenhouse product and many people prefer it. There is a large amount of yellow narcissus on the market but nobody seems to want it. In past years, before roses, carnations and various other native stocks were as plentiful as now, bulbous stocks may have been a paying proposition. We cannot see that to be the case under present conditions. It looks to us that, in bringing in so much bulb stock at this season many growers are merely throwing good money after bad. Although the weather is rather cool, the sales of geraniums and other bedding plants are considerable. In the stores, the most noticeable pot plants are the roses, Crimson Rambler, Baby Rambler, Agnes Steinhoff, and hydrangeas and daisies.

#### Masses of Floral Tributes at Wladzor.

The lawn adjoining St. George's chapel, a few yards from the tomb where the body of King Edward found sepulchre May 20, presented the appearance of a huge flower market, so great was the wealth of wreaths received from all parts of the world. Truck loads of floral offerings arrived at the castle throughout the day. Tributes in every conceivable form, from a cross of orchids measuring 7x14 feet, sent by the sultan of Zanzibar, to a tiny bunch of wild flowers from some workman's home, covered the place in a wonderful profusion of color. The tribute of President Taft was a wreath of palm leaves and orchids entwined with an American flag of silk. Mr. Roosevelt sent a wreath of white orchids. There were also wreaths from the American embassy and Mrs. Reid, the wife of the American ambassador.





EX-PRESIDENT ROOSEVELT AND OTHER VISITORS TO THE HAARLEM FLOWER SHOW.

The Center Group Reading from Left to Right is: M. de Breuk, Secretary Bulb Growers' Society; Mr. Roosevelt; M. Krelage, President; Mrs. Roosevelt; Mrs. Beaupre; Mr. Koothoven, Vice-President Bulb Growers' Society; Mr. Wavren, President Exhibition Committee.

### The Haarlem Jubilee Flower Show.

#### EX-PRESIDENT ROOSEVELT'S VISIT.

Ex-President Roosevelt visited the Jubilee flower show at Haarlem, Holland, on May 1, accompanied by Mrs. Roosevelt, Miss Ethel Roosevelt, Kermit Roosevelt, the American minister at the Hague and wife, and the Netherlands minister of foreign affairs. The party arrived in autocars from the Hague and were welcomed by a most enthusiastic crowd of many thousands of people. The ex-president happened to be the one hundred thousandth visitor and he was presented with a very nice silver model of the Half Moon on the occasion. When handing the little ship to Mr. Roosevelt, the president of the General Bulb Growers' Society, Mr. Krelage, addressed him as follows:

"Mr. Roosevelt: Do not expect a speech from me. You have come to see the flowers, and the best way to show our appreciation of your presence is not to abuse your time for other things. Therefore, allow me just to thank you most sincerely for your visit to our Jubilee flower show, but I may be permitted to add something which may be a surprise for yourself. Just before your arrival 99,999 visitors had passed the gates of the show and I presume that they wanted to honor you in their own way by enabling you to become just the one hundred thousandth visitor, a cipher which probably will not very much impress an American citizen, but of which we are rather proud in our little bulb land.



Ernst H. Krelage.

"We are particularly proud and happy that you, Mr. Roosevelt, are the hundred thousandth visitor as, according to our custom, this fact affords us a welcome opportunity of offering you a souvenir of our show. On behalf of the General Bulb Growers' Society of Haarlem which organizes this Jubilee flower show in commemoration of its half-centenary, I beg you to accept the reproduction of one of those ships which may be

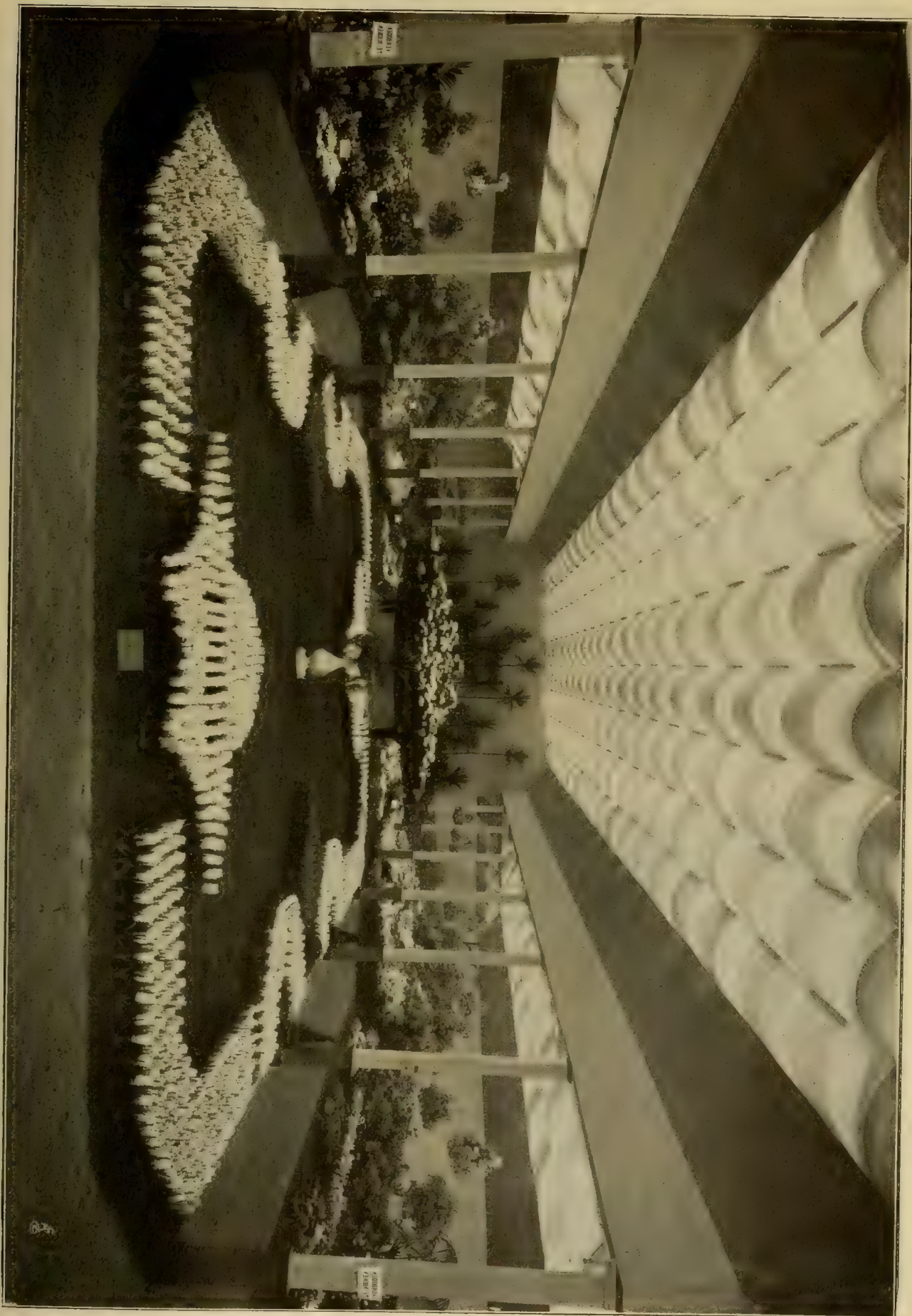
considered as the symbols of the historic, commercial and family relations between Old and New Amsterdam, between Holland and America. Call it the Half Moon or the Mayflower, just as you like, for nobody exactly knows how they looked and therefore you may consider this reproduction the most accurate imitation of either.

"Neither the Half Moon nor the Mayflower had any tulips on board, but in our days 3,500,000 kilograms of tulips and other Dutch bulbs are yearly shipped to America alone, being not even a fourth part of the whole annual production, and this quantity will still increase if the duty on bulbs in America, which has already been reduced, is cancelled altogether. And this will be to the profit of the American consumer, to the profit of all American citizens, for it will then be possible to have cheap flowers in every garden, just as fine and as plentiful as here in our show. Flowers are the symbols of love, faith and peace and the more the flowers of Holland are spread all over the world, they will be mighty co-operators, eloquent interpreters and active propagandists of your noble ideas to the benefit of mankind and humanity."

The ex-president replied in a very eloquent speech saying how delighted he was to be in the land of his ancestors and in the most beautiful garden in the world. It had struck him that the Hollanders and especially the bulb growers knew how to combine beauty and commerce and he said that



FORCED HYACINTHS, ARRANGED IN BEDS, AT THE FIRST TEMPORARY EXHIBITION OF THE HARLEM JUBILEE FLOWER SHOW.





in this respect they gave an example to other nations. The ex-president showed himself extraordinarily pleased with the silver model of the Half Moon which he promised to give a prominent place in his house. The little ship is a real work of art, being manufactured by the Zaanland silversmith works of Amsterdam and Haarlem. The show was visited by the Roosevelt party with great interest and a fine pink variety called Alice Roosevelt was an object of admiration. The buildings had all been cleared from visitors so that Mr. Roosevelt could enjoy the extreme beauty of the special temporary show in perfect quietness.

## THE CARNATION.

ADMIRATION is highly spoken of in the British trade papers by experts in carnation culture. A fine illustration of it appears in the Gardeners' Magazine from flowers grown by Stuart Low & Co.

### Carnations in the East.

The cool nights and comparatively few hot days that have been experienced in the east during the present spring, have brought about a continuation of carnation crops that is rather uncommon for the season. Not that it is uncommon for flowers to be plentiful at this time, but rather that the quality should keep up so well, for with the hot periods that are so frequently experienced in May the carnation flowers soon depreciate in size, color and keeping qualities. The delicate shades, such as Enchantress, soon bleach out in hot weather, but this year they have stood well during May, of course having been protected from the full strength of the sun by a light shading

If the weather should continue favorable for a few days longer, it would greatly help the quality of the product for Memorial day, this being the main market day that the flower grower has to look forward to at the end of the season. After that date there is little that is able to relieve a congested market except the school commencements and June weddings, and they do not always succeed in creating a very lively demand. But it does not pay to neglect the stock at any time, and the last few weeks of the season may help much toward paying the coal bill. With this in view it is well to keep a close watch on the watering and syringing for without this attention the plants will soon be overrun with insects and the final crop of flowers ruined. Spring mulching with old manure is very

beneficial to the plants, not only in giving them some additional food, but also in keeping the roots cool and preventing the plants from drying out so rapidly.

Growth being so rapid at this season, the buds progress very quickly, and consequently there is no lack of disbudding to occupy any spare time that may be found, for without proper attention being paid to this detail stock of good grade will not be produced. As the weather grows warmer there are fewer opportunities for fumigating, and spraying becomes more necessary in order to keep down thrips. This pest multiplies rapidly in warm and dry weather, so does aphid, though the latter is much more readily removed by means of nicotine than thrips.

It is hard to give too much fresh air in the carnation houses at this season, and yet some judgment is needed in this routine matter, for a strong, drying wind does not benefit the plants greatly, and therefore one would better go over the houses several times in the day and adjust the ventilation to the weather, rather than work on the principle of making one job of it by raising the ventilators to the limit in the early morning and then letting them take care of themselves until night. Of course, a careful grower does not do these things, but there are others who cannot see the necessity for so much care in the culture of cool house stock such as carnations.

As the time approaches for the annual clean-out and the various repairs that are sure to be needed at that time, it is well to be prepared with some material for such repairs, for the majority of growers still have some wooden benches, and where there is wood there is almost surely some repairing to be found. That the bench of the future is likely to be a



Kokomo Men in the Public Eye.

"The rose looks fair, but fairer we deem it for that sweet odour in it doth live."—Sonnet 2 IV.

—Kokomo Daily Tribune.



THE HAARLEM JUBILEE FLOWER SHOW.

Hyacinths Naturally Grouped in the Grounds.





DECORATED AUTOMOBILE BY FLEISCHMAN FLORAL CO., IN CHICAGO PARADE.  
American Beauty Roses and Ribbon, and Boston Ferns.

concrete structure seems highly probable, and in new construction it would pay to work on that plan, but where one has good cypress benches it certainly would not pay to tear them out in order to make room for concrete. As to the question that sometimes arises whether there is any difference between the plants grown on cement benches and those grown on a wooden structure, various opinions have been expressed, but it is the belief of the writer that given the same care in each case there is little, if any, difference in the stock produced, especially where the concrete benches are supplied with a tile bottom, thus providing proper means for drainage and aeration of the soil. But in bright weather the cement benches are liable to dry out quite rapidly along the edges and thus need frequent attention in that particular.

W. H. TAPLIN.

#### Green Fly in Carnations.

ED. AMERICAN FLORIST:—

We have some difficulty in keeping down green fly on our seedling carnations in the greenhouse. They will shortly be planted outdoors. Please let me know the best way to destroy them.

E. H. H. S.

Fumigating with tobacco stems or with some of the excellent preparations on the market for the purpose is usually sufficient to destroy green fly or aphids. When the plants are planted outdoors the insects will probably leave them, though a couple of fumigations or spraying with a solution of nicotine will be advisable first.

G.

## THE ROSE.

KEEP the weeds down in the pots in which young roses are growing. They rob the soil and make good breeding places for insects.

#### Replanting Vs. Carrying Over Roses.

The principal work necessary now with the roses is to prune out all turgid growth from the old plants and to keep them well tied into the stakes, care being taken not to remove any good healthy foliage when pruning. If one is contemplating carrying over one or more houses for the second or third season, these plants should be given every attention; keep them vigorous by frequent feeding either by mulching or weekly applications of liquid manure. They will not require ripening until midsummer, and many fine flowers may yet be cut from the old plants, providing they can be kept clean and healthy.

Very often the grower lacking experience is rather undecided about carrying over the plants for several seasons. In a place of any size to replant each season is rather an expensive bit of work, taking into consideration the fact that the young stock will require probably three different shifts from the sand or grafting cases before it can be benched. Then the extra amount of soil, etc., brings up the expense considerably over and above the outlay required to handle the old stock the second season by carrying it over. So it is well to consider the matter in detail. The writer has found that by carrying over the stock two seasons it has paid

equally as well, if not better, than to plant young stock straight through every year, and where one has some of the houses arranged to grow the stock on raised benches and some in solid beds, the results obtained by transplanting the bench stock to the solid beds and replanting the raised benches with young stock was found to work very satisfactorily and economically. At the same time the stock to be carried over should by all means be strong, healthy plants, for it would be useless to attempt carrying over plants that could not be made to grow the first season on the benches or beds owing to diseases or other drawbacks, such as lack of drainage, unsuitable soil, etc.

Then there is the stock that has been in the solid beds during the past season. If in nice shape it should keep right on delivering the goods for at least another year. We do not advocate growing or carrying the stock over more than two seasons on a small place, not exceeding 25,000 square feet of glass, with the exception of certain varieties, such as Kaiserin, Carnot, and those varieties grown strictly for summer. These plants, being kept dormant or semi-dormant during the winter, allowing them to be cut back hard can be grown for many seasons without renewing. They are practically treated the same as the outdoor roses, the pruning being of great importance in handling; also time of starting, amount of resting, etc., making all the difference imaginable as to the number of seasons they can be carried over. In other words, the success depends on the skill of the growers at any and all stages of rose growing, and to repeat



one can only offer suggestions as to methods of handling roses under glass from time to time outlining the work in season. No set rules can be given as to watering, ventilating and many other things so essential to success. The grower must be alert and keenly observant; he must be with his plants daily, noting the slightest change as to the color of the blooms, the foliage, and a thousand other little things that can only be learned by the closest application to the work. This is not only true as regards roses; it applies to a growing crop of any kind indoors.

I recently read in one of the trade papers that geraniums could be grown by any one, and the writer seemed to think there was no skill required in growing these plants. I am not looking for argument, but in visiting half a dozen establishments where geraniums are the principal crop one can readily see there is some difference in the way they are grown and one doesn't always see a perfect lot of strong, sturdy plants of uniform size. Many a sorry lot meets the eye. And why? Because the skilled hand is lacking. But to go back to the subject of carrying over the roses. One need not hesitate to carry over a lot of strong plants on the raised benches the second year, for by resting them some, pruning them and giving them some fresh soil to work in, they will furnish fine cutting, and if the plants are exceptionally strong the cut will usually grade higher than the first season's cut. It is yet some weeks in advance to go into the details concerning this work. In the meantime, as stated above, get the old plants to make all the good growth possible, and keep them and their surroundings clean. Keep a supply of grape dust on hand, and keep right in front of the mildew instead of after it, for when mildew once gets a foothold after firing stops it will surely have its own way and we know of no worse predicament than to buck up against this state of affairs in the rose range.

E.

## THE FANCY LEAVED CALADIUMS.

By Arno H. Nehrling.\*

### Soils.

Various mixtures of soil have been recommended for caladiums. As in most of the plants grown in tropical countries, it need not be very rich in plant food. Of the different mixtures tested at the Missouri Botanical Garden the last four years, a mixture consisting of equal parts of compost, leaf-mold, peat and one-fourth of sand has proven the most satisfactory. The sand tends to keep the mixture porous and sweet, but if too much is added it impoverishes the soil. The soil should be chopped with a spade or sifted through a coarse sieve. The following mixture, recommended by Adolph Jaenicke for all araceous plants, was also used in these experiments, and found quite satisfactory: Two parts half rotten leaf-mold, two parts coarse fibrous peat, one part sphagnum moss, one part sand, one part broken flower pots or porous tile. As fertilizer one pound of wood ashes was added to every 50 pounds of this mixture. The large, fleshy leaves get their richness of texture mostly from the assimilation of nitrogenous foods, but this will be taken up in another paragraph under the heading of fertilizers and feeding.

After the tubers are potted they should be placed on the propagating bench, with a bottom heat of 75°-80°. In a few weeks the plants will require a shift and they may either be potted in larger pots or, if fine specimen plants are wanted for decorative purposes, three or four can be put in one pan, taking care that similar plants as regards size, number of leaves, etc., are placed together. Very little water is required until active growth commences. If the soil was in a moist condition at the time of potting, no water will be required, but occasional syringing will be necessary until a leaf is developed. After the plants have fully developed water should be given freely, at the same time each pot

should be examined carefully and overwatering avoided. The atmosphere should also be well charged with moisture. This is done by dampening the floor and stages of the house frequently. If this is properly done the plants require no syringing. By avoiding the use of the syringe, the tender leaves are not disfigured and, as they are used principally as show plants, this is quite important. Although the temperature can now be lowered from 5° to 10°, we have found that, on account of the damp atmosphere, one can hardly give them too much heat.

### Shading.

There seems to be a difference of opinion in regard to the shading of caladiums. Some growers claim they should be kept near the glass, and shaded from the sun during the hottest part of the day, the object being to secure the delicacy of color in the leaves, while at the same time the leaf stalk is made self-supporting. Plants intended for conservatory or greenhouse decorations should be gradually exposed after the full development of the leaves. The writer has found the above method quite satisfactory, and he has also found that the plants are amenable to almost any treatment, provided the changes are not brought about too suddenly. Many gardeners shade far too much, which causes the leaves to develop their colors nicely, but the leaf stalk becomes weak and needs support, spoiling the real beauty of the plant. Some varieties can stand a greater amount of sun than others, and some will color up splendidly when not grown in shade, but this is a matter which the grower must ascertain through observation. As a rule the exquisite transparent varieties demand more shade. There are a great many devices for shading plants. Wood blinds, made of laths, can be recommended as being the most practical for caladiums. They admit plenty of light and distribute the sun's rays evenly. A cloth covering inside the houses, which can be drawn down over the plants when the rays of the sun are very powerful, will also prove quite

\*Mr. Nehrling's paper commenced in our issue of July 10, 1909, and was continued July 31, October 9, November 27 and January 8, February 19, April 9 and May 7, 1910.



C. W. McKELLAR'S CAR AT THE RECENT CHICAGO AUTO PARADE.



satisfactory. These can be used in addition to the lath blinds, but ordinarily the blinds will be sufficient. A thin coat of paint or whitewash in addition to the wood blinds will sometimes prove satisfactory.

#### Application of Fertilizers.

As soon as the plants are growing freely and the pots become filled with roots, fertilizers in liquid form should be applied from time to time. In a previous paragraph we mentioned that the large and mostly fleshy leaves get their richness in texture from the assimilation of nitrogenous foods. It is therefore advisable to use a preparation containing a large percentage of nitrogen. Phosphoric ammonia or Chile saltpetre dissolved in water are excellent for this purpose. A weak solution of Peruvian guano about the color of sherry can also be recommended. This rule in regard to quantity of any commercial fertilizer should be followed, and all dangers of an overdose will be eliminated. Any other artificial fertilizer with a tendency to burn the roots should be avoided, as these are affected easily. When a quantity of roots are observed on the surface of the pots, a top dressing of light rich soil will be very beneficial. This answers better than giving the plants another shift. Cow manure as a fertilizer will also give satisfactory results and it should be applied occasionally to vary the stimulant previously mentioned. It can be used as a top dressing or in a liquid form.

#### Insect Pests.

Caladiums are but slightly subject to insect pests. The only kinds that affect them are greenfly and red spider. The greenfly attacks the undeveloped leaves, crippling them in the early stages. They can easily be dislodged by a slight fumigation with tobacco stems or by dipping the heads of the plants in tobacco water. If this insect is allowed to get the upper hand, the beautiful leaves, especially those of lighter varieties, will be found to be full of blemishes. Red spider can be kept at bay by proper syringing and never allowing the plants to suffer from want of water.

#### Drying the Tubers.

Years ago growers were of the opinion that caladiums needed no rest. Some people still firmly adhere to the opinion that the proper way to treat them is to keep them growing the year round. They claim that the exact conditions for the bulbs in a dormant state cannot be maintained in a mixed collection of plants, and that all the losses experienced in drying off and wintering the tubers are in this way eliminated. In recent years caladium specialists have found that even in a mixed collection of plants the tubers can be given the proper attention in a dormant state and that this is the only successful way of growing them. The method of drying or curing the tubers at the Missouri Botanical Garden is as follows: By the beginning of October, the plants started in March will be evincing signs of wanting to rest. These should be isolated from the other plants, put into another house and exposed to the full glare of the sun. Water should be gradually withheld, and stopped entirely when the foliage has completely died down. This slow ripening of the tubers is an important factor, and results the following year will depend largely upon this process of exposing the tubers to the sun. When they are thoroughly dry they are ready to store for the winter.

#### Twenty Years Ago.

MAY, 1910.

The pretty *Adiantum decorum* was a good deal grown for cut fronds.

A good deal of correspondence was going on in the AMERICAN FLORIST respecting the poisonous qualities of *Primula obconica*.

There was a great scarcity of carnations in New York.

Orchid jewelry was the latest novelty in New York, orchids very closely imitated in gold and silver and studded with costly gems being the rage.

Other cities were advising Chicago to "get a move on" horticulturally with regard to the world's fair.

Burning the leg of an old boot in a greenhouse infested with green fly was recommended in all seriousness by a wiseacre. The florist to whom the advice was given told the young man to "call again."

"Really good blooms" of chrysanthemums, Mrs. Heale and Jeanne Delaux among the number, were reported from Hinsdale, Ill.

"Cost of production" was beginning to be a live subject among growers. The old brick flues were still in use on many florists' places.

Belle Isle park, Detroit, was being improved by planting and road making.

#### To Be Done Now.

IN THE GREENHOUSES.

Keep seedling primulas well up to the light and avoid over watering at the roots.

Should greenfly appear in the shoots of *Lilium lancifolium* fumigate lightly on several successive evenings and spray the plants the next morning.

Keep the forward dahlia plants growing gently in a cold frame or house but see that no frost reaches them.

As long as there is any heat used in the houses keep the propagating benches full.

Plant out seedling ferns as soon as ready on benches or in flats.

Air slaked lime and soot sprinkled around the fern benches not only creates a good atmosphere in the house but helps to keep slugs and snails at bay.

For good, clean solid growth on kentias the night temperature should not be above 60° at any time except in the heat of summer when it is unavoidable.

Look out for the earliest signs of mildew in the chrysanthemums and take measures to clean them at once.

Get the poinsettias up from under the benches and moisten them slightly, preparatory to starting them up for cuttings.

Keep *Begonia Gloire de Lorraine* and others of this section growing gently. There is no need to try and hurry them at this time.

Clean out a house or a portion of a house for showing samples of bedding and other plants so that customers can see them there. This will save a lot of time and confusion around Memorial day in showing customers around the houses.

#### OUTDOORS.

The hoe is the finest stimulant for early crops. Use it freely on all possible occasions.

Don't be too hard on the moles in the garden. They would not be there if there were not cutworms and other injurious pests which form their food.

Plant out asters, stocks and other half hardy annuals but leave the tender ones, such as *Tagetes pumila* under cover until June 1.

Propagate doricums and other early flowering hardy plants by division as soon as the flowers are over.

Plant out hardy ferns in a moderately shaded position and give a mulch of short litter or leaves to keep the soil moist.

Keep the hoe going between the rows of sweet peas and stir in a little superphosphate if the color of the foliage is not good.

The great bindweed or convolvulus is a beautiful plant for covering arbors or trellises but must not be planted where the roots can run among other plants or it will soon overrun everything else.

Plants of herbaceous subjects purchased at stores should be bedded into flats or frames and livened up a little before going into their permanent quarters on the border.

Never dig in fresh manure in the herbaceous borders or flower beds. Good composted or well rotted manure is far better, as it leads to a more floriferous, solid growth than fresh manure which is too strong and causes the growth to be too rampant.

#### A Definition of Digging.

The illustrious Loudon missed nothing in gardening; and all the tools and the labors of gardening are described by him in an equally pompous and scientifically detailed manner to the following: Digging.—The spade is a thin wedge with a lever attached in the same plane, and the operation of digging consists in thrusting in the wedge by momentum (or weight and motion) of the operator, which effects fracture. A movement of the lever next effects separation, whilst the operator, by stooping and rising again, lifts up the spittle or section of earth on the blade or wedge of the spade, which, when so raised is dropt in a reversed position, and at a short distance from the unbroken ground. The separation between the dug and undug ground is called the trench or furrow. . . . Would a garden laborer understand that? Science v. practice!

## OBITUARY.

#### Mrs. A. E. Riehl.

Much sympathy is felt for A. E. Riehl of the Monarch Fruit Farm, Alton, Ill., in the death of his wife, who for years had been a devoted helpmeet to him. Mrs. Riehl was well advanced in years and died May 20. They settled at Alton about 50 years ago and have been in the nursery business all the time. At first Mr. Riehl made a specialty of sweet potatoes, afterwards growing small fruits. He later went into peony culture and has now a fine collection of the better sorts. He also is an enthusiast in lilac culture. Besides her husband, Mrs. Riehl leaves two sons.

#### Thomas Gowanlock.

Thomas Gowanlock of Eighteenth street and Joy road, Detroit, Mich., died on Monday afternoon, May 23, at Grace hospital as the result of a street car accident a week previously. Mr. Gowanlock, was born at Delaware Ont., December 20, 1843, and came to Detroit 50 years ago. He was a member of the Florists' Club and the club will send a design to the funeral which is to be held May 26 at the Woodlawn cemetery. Mr. Gowanlock is survived by a widow and two children, W. J. Gowanlock and Mrs. Frank Burtenshaw. J. F. S.

PECKVILLE, PA.—The new greenhouse of W. J. Broad situated at the gates of Prospect cemetery will be completed by Memorial day.

KENDALVILLE, IND.—The Johnson Floral Co. will build an iron frame greenhouse 28x56 feet, using the King Construction Co.'s material.



# THE AMERICAN FLORIST

1885 TWENTY-FIFTH YEAR 1910

Subscription, United States and Mexico \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

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A. F. FAULKNER, 1133 Broadway, New York.  
ROBT. KIFT, 1725 Chestnut St., Philadelphia, Pa.

THE AMERICAN FLORIST,  
324 Dearborn St., CHICAGO

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"I like to see my flowers grow  
Like soldiers crowding on parade;  
Not specimens on sentry-go,  
But regiments massed in full brigade."

**LONDON FLORISTS' LOSS.**—There is no doubt whatever that the death of King Edward will mean a great loss to London florists, especially those in the west-end, who look to do their chief business during May and June, when the society season is at its height. Now, unless there is a considerable departure from the usual rules governing national mourning, the loss to florists and to growers of flowers and plants for house and hotel decorations will suffer terribly.—Gardeners' Magazine.

SECRETARY ESLER of the Florists' Hall Association receives many compliments on his prompt settlement of claims.

YOUR neighbors are probably buying at distant points many plants, while you are overstocked with the same kinds. Why not tell them about your surpluses through our advertising columns.

**APHINE.**—James Whiting, foreman of the Department of Floriculture, Massachusetts College of Agriculture, Amherst, says of Aphine, which he has tested: "I believe it to be a valuable addition to the insecticides for greenhouse work."

OUR next issue will contain a full, illustrated report of the great orchid show at Boston, as well as practical illustrated articles on orchids. Greenhouse construction will also have special attention and it will be an especially good issue for advertisers along these lines, who will greatly oblige by sending copy early on account of the intervening holiday.

On page 866 of this issue the secretary of the Morris County Gardeners' and Florists' Society gives some particulars of the show to be held under the joint auspices of the Chrysanthemum Society of America and the society named above. It looks promising and the Morristown people are apparently anxious to do their part. A good show seems assured as, owing to the support already promised, the premiums will be above the average.

THE schedule of prizes of the peony show of the Massachusetts Horticultural Society, to be held in Horticultural Hall, Boston, June 9-10, has been mailed. The dates are subject to change if necessary. Good prizes are offered in the commercial and amateur classes by the American Peony Society and also by the Massachusetts Horticultural Society, the latter offering two silver and two bronze medals in addition to money prizes.

THE manure question is growing more serious every day. Prices are going up and the prospects are that they will continue to advance on both natural and artificial fertilizers. Few growers can attempt the solution of this problem as it has been solved by A. N. Pierson, Cromwell, Conn., by the establishment and maintenance of a stock farm in connection with his greenhouse business, the chief purpose of the farm being the production of manure. The question is one of vital importance to every commercial grower.

## Society of American Florists.

### DEPARTMENT OF REGISTRATION.

As no objections have been filed, public notice is hereby given that the registration of the violet, "Marie Elise," by Thomas DeVoy's Son of Poughkeepsie, N. Y., becomes complete.

### REGISTRATION OF FERN.

Public notice is hereby given that the American Rose & Plant Co. of Springfield, O., offers for registration the fern described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the

secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

### RAISER'S DESCRIPTION.

**Nephrolepis Roosevelt.** — A sport from *Nephrolepis Bostoniensis* that is a great improvement upon that variety, being of the same habit, but of somewhat more vigorous growth. Fronds six to eight inches in width. The edges of the pinnæ are decidedly ruffled in wave-like undulation that is very distinctive. As the fronds mature the undulations become more pronounced, giving the individual fronds and the plant as a whole a marked wavy effect. It does not run back, the type being fixed.

H. B. DORNER, Sec'y.

May 10, 1910.

## The American Rose Society.

### TO BE REPRESENTED IN EUROPE.

The American Rose Society has commissioned the Rev. Dr. Spencer S. Sulliger, of Vancouver, Wash., an amateur rosarian of repute and one of the Pacific coast members of several years' standing, as representative to the annual rose show in England. Dr. Sulliger leaves New York this month for Great Britain.

Robert Vincent, Jr., of White Marsh, Md., takes a letter to the International horticultural meeting at Belgium, which he is going to attend. These gentlemen will give an account of their observations abroad in the proceedings of the society.

John F. Huss of Hartford, Conn., one of our prominent members, goes to France and Switzerland, and this trip also is in the interest of roses.

The society has paid up its premiums as awarded at the spring show with one exception. The membership of paid dues exceeds the number at any time received previously from regular members.

An inquiry has been received from one of the government departments, as to the value and volume of roses used commercially in the United States, and inquiries forwarded to the various distributing centers have brought responses which indicate that probably one-fourth of the value of all flowers grown under glass are roses. The observations made in travel indicate that the rambler class of roses is becoming more and more in evidence, all of which shows that with the growth of the country, the growth of nice things is also coming in for large development.

The officers of the society wish to thank the many donors of special prizes for the prompt response and payment of their respective premiums.

BENJAMIN HAMMOND, Sec'y.

[In a communication to the FLORIST dated May 18 Mr. Hammond says, "As to a summer show in June I have heard nothing of it this year. The last we held was in Bronx park in connection with the New York Horticultural Society. These June shows are pretty hard things to manage, except in a local way, and any suggestions that you have to offer I would be glad to have."]



**Meetings Next Week.**

**Albany, N. Y., June 2, 8 p. m.**—Albany Florists' Club, W. C. Kings, 24 and 26 Steuben street.

**Chicago, June 2, 8 p. m.**—Chicago Florists' Club, Union Restaurant, 111 Randolph street.

**Lake Geneva, Wis., June 4, 8 p. m.**—Lake Geneva Gardeners' and Foremen's Association, News building.

**Milwaukee, Wis., June 2, 8 p. m.**—Milwaukee Florists' Club, Quiet House, Broadway and Mason street.

**New Orleans, La., June 1, 8 p. m.**—German Gardeners' Club, 624 Common street.

**Newport, R. I., June 1.**—Newport Horticultural Society.

**Pasadena, Calif., June 3, 8 p. m.**—Pasadena Gardeners' Association, Board of Trade rooms, West Colorado street.

**Utica, N. Y., June 2, 8 p. m.**—Utica Florists' Club, Genesee hall.

**Wants, For Sale, Etc****One Cent Per Word, Cash with Adv.****For Plant Advs., See Ready Reference Section.**

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

**Situation Wanted**—By young man as assistant gardener on private place; to begin June 19.  
Box 504, East Lansing, Mich.

**Situation Wanted**—By practical man with good knowledge of botany; can speak seven languages; best of references from high European authority.  
Key 993, care American Florist.

**Situation Wanted**—Commercial grower of roses, carnations, chrysanthemums and pot plants is open to engagement; middle-aged man, single, good references. Address  
Key 513, care American Florist.

**Situation Wanted**—By German, married, 27 years old; 10 years' experience as grower of roses, carnations, 'mums and pot plants; capable of taking charge; give full particulars and what wages paid. Address  
Key 994, care American Florist.

**Situation Wanted**—As working foreman; German, single; 18 years' experience in growing roses, carnations, 'mums, bulbs and general stock plants; also good designer and decorator; sober, honest and good worker; have the best of references; can take full charge of any place; state wages. Key 506, care American Florist.

**Help Wanted**—For greenhouse work; three or four good potters. Apply to  
BASSETT & WASHBURN, Hinsdale, Ill.

**Help Wanted**—Single young man who can take care of college greenhouses in west; a reasonable salary with rooms.  
Key 996, care American Florist.

**Help Wanted**—Competent assistant or manager for retail city store; must understand designing; state age, experience and salary required; answer quick. CENTRAL FLORISTS, Kalamazoo, Mich.

**Help Wanted**—Two nurserymen who are honest and industrious; wages \$2.50 per day; steady employment and advancement if satisfactory.  
DEVILS LAKE NURSERY, Devils Lake, N. Dak.

**Help Wanted**—Thoroughly competent man on an up-to-date place of 32,000 square feet of glass, where carnations, roses, 'mums, bedding plants and general stock are grown; send reference and state wages wanted with inquiry.  
AUGUST VON BORSELAGER, Mt. Clemens, Mich.

**Help Wanted**—At once; a good all-round greenhouse man to grow stock for retail catalogue place; a good propagator, not afraid of work, sober and reliable; state wages, nationality, married or single and reference in first letter.  
J. E. JACKSON, Gainesville, Ga.

**Wanted to Rent**—With privilege of buying cheap, greenhouse property.  
Box 355, New Martinsville, W. Va.

**Wanted**—Well introduced Dutch bulb firm wants an experienced representative for the United States. Key 992, care American Florist.

**For Sale or Rent**—40,000 square feet of glass, in good location; needs partial rebuilding; rent accordingly, or will sell at reasonable price.  
Key 460, care American Florist.

**For Sale**—Because of advancing age will see my fine florist business in a live western town with out-of-town trade for 150 miles around; and competition Key 512, care American Florist.

**For Sale**—80-acre farm, 17 miles from Chicago, five blocks from station, sidewalk out to farm, switch track, good soil. Ideal location for green-houses. Address  
FRANCIS A. BECKER, Des Plaines, Ill.

**For Sale**—3,000 feet of soil pipe with fittings (except valves) 10c per foot; 18 4-inch valves cheap. One boiler, hot water, 3x10 feet; 3-inch return flues, \$50.00.  
D. C. & M. A. NOBLE, Columbia City, Ind.

**For Sale**—Sunnyside Greenhouses, one of the best florist businesses in Michigan; 22,000 ft. of glass, 6 acres of land; if you have the capital, it's a money maker; city of 10,000, with best shipping facilities. Address  
JNO. S. SCHLEIDER, Owosso, Mich.

**For Sale or Rent**—I have as good a florist business as there is in the country for the size; good eight-room house; three greenhouses; 3½ lots, 50 by 35. I got \$1,500 for my work last year, clear from all expenses, and it is better every year. Will sell or rent to right man; small payment down, balance on time. Box 644, Durand, Mich.

**For Sale**—We are changing our heating system from hot water to steam, and offer for sale 3,500 feet of 4-in. cast iron pipe, taken apart mostly in 20-ft. lengths, in good condition, at 7c per foot; also one No. 9 Kroeschell hot water boiler with rocking grates, in the very best of condition; it will pay you to investigate this offer, as it will be sold very reasonably.  
KRING BROS., Fairbury, Ill.

**WANTED.**

**Seedsmen capable of earning \$1000 per year.** State fully your experience in seed business. Address  
Key 494, care American Florist.

**FOR SALE**

**Second-hand Greenhouse Bars, 16, 14, 11 and 9 ft. lengths, 1c per ft.**

**Ventilators, with glass, 6½x2 ft., \$1.00.**

**WIETOR BROS., 51 Wabash Ave., Chicago**

**WANTED**

**Rose growers; men capable and experienced in growing American Beauties in sections; good wages and desirable positions.**

**HELLER BROS., New Castle, Ind.**

**French Grower**

would accept representation of a big American seed house to grow for it, also to inspect all sorts of seeds and buying same in the growing districts in France  
Key 990, care American Florist.

**FOR SALE.****A Chance of a Lifetime.**

A good paying up-to-date cut flower store in excellent locality of one of the best western cities; low rental. This is worth investigation. Reasons: too much other business. Address  
Key 504, care American Florist.

**Wanted.**

An experienced nurseryman to take charge of retail department; one who has had long experience in the business, knowing the value of trees, and a good salesman. A good position is open for the right man.

**The Elizabeth Nursery Co., Elizabeth, N. J.**

**Wanted.**

A man of experience as a seedsman. A technical and practical knowledge are required, and agood administrative ability is an absolute essential. Applications with recommendation of late employer may be addressed to  
Key 991, care American Florist.

**Opportunity of a Lifetime****FOR SALE**

A well established, money-making, up-to-date wholesale commission company in Denver, Colo., dealing in cut flowers and florists' supplies. No competition. Only small amount of cash required. Address all communications to

**N. A. BENSON,**

**1360 So. Sherman St., DENVER, COLO.**

**Offer Them Now****ALL SPECIALTIES**

**For Cemetery Use  
All Bedding Plants  
Window Box Stock  
Plants for Vases**

The season is three weeks early, and the growers will get left who do not clean out their surpluses

**WHILE DEMAND IS STRONG**



# WIETOR BROS.

51 Wabash Ave., CHICAGO

Wholesale Growers of Cut Flowers

## Decoration Day Price List

| BEAUTIES               |  | Per doz.         | JARDINE, (finest pink   |  | Per 100          | WHITE KILLARNEY....               |  | Per 100      |
|------------------------|--|------------------|-------------------------|--|------------------|-----------------------------------|--|--------------|
| Long stems.....        |  | \$1 00           | rose) select.....       |  | \$6 00 to \$8 00 | CARNATIONS, all good              |  | 4 00         |
| 30-inch stem.....      |  | 3 00             | JARDINE, medium.....    |  | 4 00 to 5 00     | PEONIES.....                      |  |              |
| 24-inch stem.....      |  | 2 50             | BRIDE, select.....      |  | 6 00             | 75c to \$1.00 per dozen.          |  |              |
| 20-inch stem.....      |  | 2 00             | " medium.....           |  | 4 00 to 5 00     | EASTER LILIES.....                |  | 12 50        |
| 15-inch stem.....      |  | 1 50             | MAD, select.....        |  | 6 00             | CALLAS.....                       |  | 12 50        |
| 12-inch stem.....      |  | 1 00             | " medium.....           |  | 4 00 to 5 00     | VALLEY.....                       |  | 4 00 to 5 00 |
| Short stem.....        |  | 75               | UNCLE JOHN, select..... |  | 6 00             | SWEET PEAS.....                   |  | 1 00 to 1 50 |
|                        |  | Per 100          | " " medium.....         |  | 4 00 to 5 00     | All Green Goods at market rates.  |  |              |
| KILLARNEY, select..... |  | \$6 00 to \$8 00 | RICHMOND, select.....   |  | 6 00 to 8 00     | Subject to change without notice. |  |              |
| " medium.....          |  | 4 00 to 5 00     | " " medium.....         |  | 4 00 to 5 00     |                                   |  |              |

**ROSES, our selection.....\$4.00 per 100**

The above prices are for select stock. Extra select or inferior stock billed accordingly.  
All other stock at lowest market rates.

## BUY OF THE GROWER

## Send us your Orders for June Weddings

and we assure you that they will be carefully executed, being able to give you choice stock which we know will please your most particular customers.

We offer choice **Beauties** besides long stemmed flowers in the following varieties:

**My Maryland, Killarney, Kaiserin, Field, Richmond**

and others. They are the best in this market and cannot be beaten on any other. The foliage is good, the flowers of fine color and they have not a fault.

**Our Peonies, Carnations** and other flowers are perfect, and we are in full cut on all popular varieties. We are paying especial attention to out-of-town orders, and our facilities for shipping are of the best and most up-to-date.

Let Us Have Your Next Order.

**Fancy Sweet Peas**

In Quantities,

**White, Pink, Light  
Pink and Lavender.**

# J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

**Roses and  
Carnations  
A Specialty....**

**WHOLESALE  
GROWER of CUT FLOWERS**

### Chicago.

#### CALM BEFORE THE STORM.

There has been quite a falling off in many lines of business since our last notes and although a fairly good clean up was reported at the end of the week it took some pretty lively hustling and not a little scheming to get clear of the stock. Saturday was a fair day only, especially as regards the city trade, and although we heard from the hot air merchants about the big business done we know that houses of good repute and with a good following of buyers who at all times will purchase with spirit had quite a difficulty in starting the week with fresh stock. The price of carnations especially took a tumble and some exceedingly low prices were taken late in the day for 1,000 lots. But there is nothing to be alarmed at in this. It seems to be an inseparable prelude to a holiday that trade will be dull and prices low and they were certainly no worse than they have

frequently been before at this time of year. Out-of-town shipments, while not as large or as numerous as the previous week, kept up better than the city trade while inquiries and orders for Memorial day continued to arrive freely. Monday was a blue one all right.

Stock kept in very fair condition. The Beauties and Richmonds were were not quite as good in color as they have been recently and in some of the poorer grades of the former there was a decided blue tinge though the longer stemmed flowers were all right. Otherwise the rose situation was little changed. Carnations still keep up fairly well in quality and though we are inclined to think that some of the soft stock seen around the market was more the effect of keeping than owing to the weather, no doubt this also had its effect. Peonies are arriving in continually increasing numbers and commission salesmen say their growers are advising large shipment

during the rest of the week. Some local stock will be on hand for Memorial day and there are reports of large lots from points in Iowa. The peony field is a wide one and widening yearly. Sweet peas are exceedingly fine and fairly plentiful. Stocks, snapdragons, cornflowers, Narcissus Soliel d'Or, pansies and marigolds make quite a bright and pretty showing both on the market and in the retail stores. The weather has hurt the sale of orchids some and they were somewhat of a drug early in the week. Lily of the valley is plentiful and good. Callas and lilies are equal to the demand and other stocks are running about even. The hardy common ferns need a lot of picking over now and the process can be seen in operation any day in any of the stores. The new stock will soon be in. Boxwood, asparagus, smilax and greens generally are not too plentiful.

Tuesday was a bright day and the trade quickly felt the benefit of it, local orders coming in much more



# Price List After June 1.

## BEAUTIES, Very Large Crop of Long Stems

They are the best quality in this market. Also a

## Big Cut of Roses and Carnations

BUY DIRECT OF THE GROWER

Current Price List in Effect May 24.

| American Beauties                      | Per doz.       |
|----------------------------------------|----------------|
| Extra long.....                        | \$3 00         |
| 24-36-inch.....                        | 2 50           |
| 18-inch.....                           | 2 00           |
| 12-inch.....                           | \$1 00 to 1 50 |
| Short stems, per 100, \$3 00 to \$6 00 |                |

| Carnations                                          | Per 100 |
|-----------------------------------------------------|---------|
| Fancy red extra long O.P. Bassett, \$2 00 to \$3 00 |         |
| Fancy White Enchantress.....                        | 3 00    |
| Fancy Enchantress and Winsor, 2 00 to 3 00          |         |
| ROSES, our selection, medium lengths                | 3 00    |

### Richmonds, Killarney, White Killarney and Kaiserin.

|                            | Per 100        |
|----------------------------|----------------|
| Extra long and select..... | \$ 8 00        |
| Good lengths.....          | 6 00           |
| Medium lengths.....        | \$4 00 to 5 00 |
| Short lengths.....         | 3 00           |

### Maids, Brides and Perles

|                      |                  |
|----------------------|------------------|
| Long and select..... | \$6 00 to \$8 00 |
| Medium.....          | 4 00 to 5 00     |
| Good short.....      | 3 00             |

### Miscellaneous

|                                           | Per 100        |
|-------------------------------------------|----------------|
| Lily of the Valley.....                   | \$3 00         |
| Sweet Peas.....                           | 1 00           |
| Asparagus Sprays.....                     | \$3 00 to 4 00 |
| Asparagus Strings, each.....              | 50             |
| Sprenger.....                             | 2 00 to 3 00   |
| New Ferns, per 1000.....                  | 2 00 to 2 50   |
| Smilax, very long and heavy, per doz..... | 2 50           |
| Adiantum.....                             | 1 00           |
| Galax, green or bronze, per 1000.....     | 1 00           |

# Bassett & Washburn

Store and Office: 76 Wabash Ave.,

CHICAGO

Greenhouses: HINSDALE, ILL.

freely. There were also many good out-of-town orders that helped to clean up stock. Peonies arrived in great quantities, local reds and pinks being among them. As showing what an effect a few dull, wet days have, the carnations arriving on Tuesday were much softer than those shipped of late. It is to be hoped that the weather will keep dry from now on until Memorial day, for when stock has to be shipped long distances it must be dry and hard for the start or it is likely to be very poor on arrival.

#### NOTES.

The Lord & Burnham Co. has taken title to the tract of land at Desplaines, where the new factory is to be built and the plans are in a forward condition. Many concessions, including a good road and a low water rate for fire protection have been made by the town in its anxiety to insure this firm locating there and the town is to be congratulated as well as L. & B. for finding such a good site. Geo. Sykes, their representative, has been busy with negotiations for months and is apparently well able to hold his end up. Among the recent contracts received by him are one for a curved eave house for J. K. Lyon, 21x60 feet; a structure at Detroit consisting of a curved roof palm house and aviary, also a rose and carnation house, and one at Melrose Park, Calif., for J. B. Coryell, 22x88 feet.

Kyle & Foerster have been doing big business all the week and the stock handled is first rate in every particular. Of the gladioli we noted magnificent spikes of the red Mrs. Francis King, the light pink Augusta and others. The local red peonies here, Officialis, were splendidly colored, clean flowers that looked as though there had been no frost where

## "The Busiest House in Chicago"

## Double White Narcissus...

The hit of the season. Plenty for everyone. The one best bet for Decoration Day. If you have not already ordered, wire us and we will take care of you.

## J. B. DEAMUD CO.

51-53 Wabash Ave.,

CHICAGO

they grew. Carnations, too, were in fine order, all the most popular kinds being represented. We also noted fine Adiantum Croweanum, long stemmed, well developed, hard fronds perfect in every way.

Richmond roses were among the best showings at Peter Reinberg's during the week, the flowers coming in large quantities and of excellent stem and color. The shipping trade here has been unusually heavy to all points and the orders for Memorial day are much above the average, forecasting a very busy week end. Carnations continue to arrive in large quantities and of excellent shipping quality.

At the J. B. Deamud Co.'s store the double white narcissus is proving a great seller, orders coming in for it very freely. Large consignments of the blue cornflower are being handled, some 3,000 or so daily. Gladioli in light and dark shades are especially good, and the usual fine stock of carnations is on hand daily. All hands

have been busy unpacking peonies which are coming in large quantities.

At the A. L. Randall Co.'s store we noticed some of the finest sweet peas of the season, principally of the Butterfly or Spencer types. Frank Johnson returned from his trip on Monday and reports business good at all points visited. The Evergreen Brand fertilizer is still a great seller here, orders coming thick and fast as well as testimonials as to its merits from those who have used it.

A dinner with covers for 40 guests at the Blackstone gave John Mangel an opportunity to put up a very pleasing decoration. A maypole was placed in the center of the table with ribbon streamers attached leading to baskets of spring flowers, such as sweet peas, pansies, daisies and others, a novel and pretty effect.

The fame of Daphne Hilmers, daughter of Henry Hilmers, for many years a retailer of this city, has reached here from Berlin, where she went to study music. Miss Hilmers



**Send Us Your  
Orders For...**

# Cut Flowers

## FOR DECORATION DAY

A Large Supply of All Kinds of Cut Flowers and Greens—Prices Right.

### DECORATION DAY PRICES:

| AMERICAN BEAUTIES  | Per doz      |
|--------------------|--------------|
| Long stems.....    | \$4 00       |
| 30-inch stems..... | 3 00         |
| 24-inch stems..... | 2 50         |
| 20-inch stems..... | 2 00         |
| 15-inch stems..... | 1 50         |
| 12-inch stems..... | 1 00         |
| Short stems.....   | 75           |
|                    | Per 100      |
| Bridesmaid.....    | 4 00 to 6 00 |
| Bride.....         | 4 00 to 6 00 |
| Golden Gate.....   | 4 00 to 6 00 |
| Kaiserin.....      | 4 00 to 6 00 |

|                                    | Per 100          |
|------------------------------------|------------------|
| Richmond.....                      | 4 00 to \$8 00   |
| Killarney.....                     | 4 00 to 8 00     |
| ROSES, our selection.....          | 4 00             |
| PEONIES, good stock, assorted..... | 4 00 to 5 00     |
| White, pink A 1 stock.....         | 6 00             |
| Special fancy stock.....           | 8 00             |
| CARNATIONS, A1 stock.....          | 3 00 to 4 00     |
| fancy.....                         | 5 00             |
| Callas.....                        | 12 50 to 15 00   |
| Harrisii.....                      | 15 00            |
| Gladioli, fancy...per doz..        | \$1 50 to \$2 00 |

|                                | Per 100        |
|--------------------------------|----------------|
| Sweet Peas.....                | 75 to 1 50     |
| Valley.....                    | 3 00 to 4 00   |
| Daisies.....                   | 75 to 2 00     |
| Pansies.....                   | 1 00 to 1 50   |
| Adiantum.....                  | 75 to 1 00     |
| Asparagus, strings...each..... | \$ 50 to \$ 60 |
| Asparagus, bunches each.....   | 35 to 50       |
| Sprenger, bunches...each.....  | 25 to 50       |
| Ferns.....per 1000.....        | 3 80           |
| Galax.....per 1000.....        | 1 00 to 1 25   |
| Smilax.....per doz.....        | 2 00 to 2 50   |
| Fancy Boxwood...bunch.....     | 35             |

Large Stock of Superb Cape Jasmines, \$1.00 to \$2.00 per 100

# VAUGHAN & SPERRY

LONG DISTANCE PHONE  
CENTRAL 2571.

52-54 Wabash Ave., CHICAGO.

is evidently something out of the ordinary as a musician, and the local papers devoted a large amount of space to her on Sunday last.

At Poehlmann's stock continues to arrive in great quantities, all the popular roses and carnations being in full cut. The flowers are up to the usual high standard as seen here, and that is saying a good deal. My Maryland is extra good, as is White Killarney and the orchids continue to come in first-class order.

Bassett & Washburn report very heavy cuts of Beauty and other roses, their most popular varieties being in better shape than ever before at this season. Kaiserin is also in excellent order. Carnations are slightly off crop. E. B. Washburn is expected home on Friday.

Zech & Mann have been showing some of the finest lilies seen on this market for a long time, the flowers of great size and substance and evidently splendidly grown. Victory carnations were also strong here.

Gardeners' and Florists' Union No. 10615 extends an invitation to the trade to attend the meeting at Lyric Theatre May 29, 2 p. m., where a protest will be made against recent injunction rulings.

Vaughan & Sperry are extra strong on cape jasmines this week, the flowers arriving in first-class order. The cut of Beauty roses is still on, fine flowers in quantity being received daily.

Peonies still rule the roost at Kenicott's but we also noted some elegant flowers of Gladiolus Childs and other varieties, as well as good showings of all the leading stocks.

At Geo. Reinberg's the roses in all varieties are coming with extra fine stems now. The tall, fountain-like Asparagus elongatus shown here is a telling and pretty green.

The quality of the roses and carnations is well maintained at J. A. Budlong's, all the varieties being in excellent shape. Mrs. Jardine continues in first-class order.

Mrs. E. A. Riehl, wife of E. A. Riehl of Alton, a frequent consignor of stock to this market, died May 20.

Visitors: Wm. Breitmeyer, Detroit, Mich.; Mrs. Spickerman of the Sandwich Greenhouse, Sandwich; J. H. Boelter, of Boelter & Zuehlke, Appleton, Wis.

#### BOWLING.

##### Individual Standing May 20.

|                    | Games. | Total Pins. | Average. |
|--------------------|--------|-------------|----------|
| E. Johnson.....    | 3      | 541         | 180 1-3  |
| L. Vaughan.....    | 9      | 1,541       | 171 2-9  |
| F. Pasternick..... | 12     | 2,053       | 171 1-12 |
| E. Farley.....     | 12     | 2,017       | 168 1-12 |
| J. Zech.....       | 6      | 1,004       | 167 2-6  |
| Wm. Graff.....     | 12     | 1,995       | 166 3-12 |
| Wieczorowski.....  | 3      | 480         | 160      |
| Geo. Asmus.....    | 9      | 1,432       | 159 1-9  |
| J. Huebner.....    | 12     | 1,909       | 159 1-12 |
| T. Yarnall.....    | 12     | 1,861       | 155 1-12 |
| V. Bergman.....    | 9      | 1,380       | 153 3-9  |
| Wm. Wolf.....      | 3      | 428         | 142 2-3  |
| F. Lieberman.....  | 12     | 1,695       | 141 3-12 |
| Ed. Winterson..... | 7      | 993         | 141 6-7  |
| F. Ayres.....      | 9      | 1,239       | 137 6-9  |
| O. Goerlich.....   | 9      | 1,233       | 137      |
| L. Vogel.....      | 5      | 607         | 121 2-5  |
| F. Krause.....     | 3      | 359         | 119 2-3  |

#### Providence.

The market has shown some improvement, the cut flower supplies not being so heavy and the demand much steadier. The first half of the week was very bad for transient trade or the sales of bedding plants as it was cold, cloudy and wet, but the last half was better for all branches. All extra help available is put to work at once. Bedding and decorative plants are moving with a great rush. Roses and carnations of a very good quality are coming in. The great influx of hardy bulbous stock, shrubbery and flowering trees is over, although we are getting some very fine outdoor lily of the valley. Darwins and other late varieties of tulips and narcissus, gladioli, Blushing Bride and Peach Blossom and irises are coming in more plentifully. In pot plants hydrangeas, hardy roses and geraniums are most prominent and some fine ones are to be seen as well as bedding plants which are moving well.

There is always a great demand for green goods. This class of goods has not been plentiful since Easter when they were cut very close.

#### NOTES.

A committee of three was appointed at the monthly meeting of the

Rhode Island Horticultural Society on the evening of May 19 to arrange for an excursion in June, with full power to act. This committee consists of Richard M. Boweh, Thomas Hope and Miss Annie M. Lincoln. The meeting was presided over by President Edwin H. Burlingame. A communication was read from the Newport Horticultural Society inviting entries to the exhibitions to be held by that association. On recommendation of the executive committee Richard C. Sanger was elected to membership. After the transaction of business the meeting was turned over to the Ladies' Auxiliary, and the president, Miss Addie F. Holland, presided. Interesting papers were read by Miss Armington on "The Arbutus" and by Miss Annie M. Lincoln on "Azaleas." These were generally appreciated. Rev. John A. McColl, pastor of the Pilgrims Congregational church, gave an address on "Reminiscences of Foreign Travel."

William Appleton says this spring business surpasses all others of his former 20 years' experience. Mr. Appleton was head gardener at Swan Point cemetery for 15 years previous to going into business here. This place gave Mr. Appleton a great field of experience in this line of work. Eugene Appleton, his oldest son, has charge of the greenhouses.

John F. Woods, Westminster street, is on the lookout for a new location, as his lease of this store at the present location expires June 1, 1910. Mrs. Woods has returned from a few weeks' visit to her folks at Worcester, Mass., and is back in her usual seat at her desk in her husband's store, where she looks after the books of this concern.

Olney Williams & Son, Poccassett, does an immense business as a grower of cut flowers for this market. Mr. Williams was recently appointed custodian of his father's, the late A. A. Williams, estate, with a bond of \$15,000. This place embraces a tract of land of 75 acres and contains 100,000 square feet of glass.

Henry Patry is now permanently located with John F. Woods as head designer and salesman. Mr. Patry



# Cut Flowers E. H. HUNT

FOR ALL OCCASIONS.

—SEND FOR PRICE LIST.—

FLORISTS' SUPPLIES TOO.

76 Wabash Avenue, CHICAGO.

## KYLE & FOERSTER,

W. P. KYLE.

CONSIGNORS SOLICITED.

JOSEPH FOERSTER

51 Wabash Ave.,

Wholesale Florists.

L. D. Phone  
Randolph 3619.

CHICAGO

## KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., Chicago  
L. D. Phone, Central 466.

We will have anything in the line of  
**CUT FLOWERS and GREENS**  
that you may want if anybody has it, at  
Chicago market prices on day of shipment.

## A. L. Randall Co.

19-21 Randolph St.,  
CHICAGO.

L. D. Phone Central 1496. Private Exchange  
All Departments. If you do not receive our  
price list regularly send for it.

left this position a year ago to become a drug clerk in the Handy Drug Co. but he has decided that there are more attractions for him in the florist business, where he can handle the real article.

T. O'Connor, Sr., celebrated his seventy-third birthday May 17. Mr. O'Connor is still hale, hearty and very active for a man of his age. He is at his place of business every morning before his men. Mr. O'Connor does the business of the 400 and his real estate holdings run well into the seven figures.

Michael Sweeney reports everything in the florist line is just booming. Sales in cut flowers, decorations and bedding plants was never better. The Misses Sweeney, Mr. Sweeney's daughters, take charge of the floral part of the business. Mr. Sweeney also does an immense business in landscape work.

John Burke, William Hay's foreman and salesman, is to embark in business as a wholesale grower this fall. It is reported he has a place bought. We all wish him good luck in his new venture.

Eugene McCarron is extremely busy with landscape work. His place is located in one of the best residential sections of the city.

All the various members of the trade called upon report a rushing business but we have not space to refer to them individually.

M. J. Leach & Sons are bringing in fine geraniums in bloom in 4-inch pots.

Visitor: Robt. Greenlaw, representing the firm of N. F. McCarthy & Co., Boston.

J. BRINTON.

## E. C. AMLING

THE LARGEST,  
BEST EQUIPPED,  
MOST CENTRALLY LOCATED  
WHOLESALE  
CUT FLOWER HOUSE  
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,  
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

## Wholesale Flower Markets

CHICAGO, May 18.

|                                          |            |
|------------------------------------------|------------|
| Roses, Beauty, extra select...           | 4 00       |
| "    "    specials.....                  | 3 00       |
| "    "    36 in.....                     | 2 50       |
| "    "    30 in.....                     | 2 00       |
| "    "    18 in.....                     | 1 50       |
| "    "    15 in.....                     | 1 00       |
| "    "    Short.....                     | 75         |
| Per 100                                  |            |
| "    Bride, Bridesmaid, select..         | 4 00@ 8 00 |
| "    "    medium.....                    | 2 00@ 3 00 |
| "    Killarney, select.....              | 5 00@10 00 |
| "    "    medium and short2 00@ 4 00     |            |
| "    Mrs. Jardine.....                   | 4 00@ 8 00 |
| "    Mrs. Potter Palmer.....             | 2 00@ 6 00 |
| "    My Maryland.....                    | 3 00@ 8 00 |
| "    Perle.....                          | 2 00@ 6 00 |
| "    Richmond.....                       | 3 00@ 8 00 |
| "    Uncle John.....                     | 3 00@ 8 00 |
| "    White Killarney, select....         | 4 00@10 00 |
| "    "    medium.....                    | 2 00@ 3 00 |
| Carnations, select fancy.....            | 4 00@ 6 00 |
| "    "    white.....                     | 6 00       |
| "    "    common and splits.....         | 1 00       |
| Callas.....per doz., 1 50                |            |
| Lilium Harrisii.....per doz., 2 00       | 12 50      |
| Lily of the Valley.....                  | 2 00@ 4 00 |
| Mignonette.....                          | 3 00@ 8 00 |
| Narcissus.....                           | 2 00@ 3 00 |
| Orchids.....per doz., 6 00@ 9 00         |            |
| Peonies.....per doz., 60@ 1 00           |            |
| Sweet Peas.....                          | 60@ 1 00   |
| Adiantum.....per 100.....                | 1 50       |
| Asparagus Plum, strings, each, 60@ 75    |            |
| "    sprays.....                         | 3 00@ 4 00 |
| "    Sprengeri.....                      | 3 00@ 4 00 |
| Boxwood.....per bunch, 25c per caes 7 50 |            |
| Ferns.....per 1000.....                  | 2 50       |
| Smilax.....                              | 2 00       |

BINGHAMTON, N. Y.—S. H. Decker has opened a down-town branch at the Guilfoyle drug store, 72 Court street.

NEW CASTLE, PA.—Work has been started on the rebuilding of the greenhouse of W. H. Weinschenck, which was badly damaged by a recent windstorm.

PEORIA, ILL.—Alpha Florist, which is the new department at Rue's seed store, is to be strictly a six-day shop. This will be the only store in town not keeping open on Sunday.

## CHAS. W. McKELLAR,

51 Wabash Ave.  
CHICAGO.

## ORCHIDS

A Specialty



Fancy Stock in Peonies,  
Valley, Roses, Beauties,  
Carnations and a full line  
of all Cut Flowers, Greens,  
Wire-Work and Florists'  
Supplies.

Send for Complete  
Catalogue.

## WIETOR BROS.

Wholesale **Cut Flowers**  
Growers of

All telegraph and telephone orders given  
prompt attention.

51 Wabash Ave.. CHICAGO.



## HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 51 Wabash Avenue CHICAGO

## Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO

Telephone, Central 3284.

## Quality Counts..

Let us have your next order for

**Roses and Carnations**  
and other Seasonable Flowers.

JOHN KRUCHTEN,

51 Wabash Ave.. CHICAGO.

**Always** mention The American Florist  
when you order stock. : : :



## American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 St. Boston, Mass.

## Rice Brothers

Wholesale Florists and Supplies,

115 N. 6th St., MINNEAPOLIS, MINN.

Cut Flowers received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities

Mention the American Florist when writing

## THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

## Weiland & Olinger

128 E. Third S., CINCINNATI, O.

Wholesale Growers and Shippers of Cut Flowers.

Kansas City.

PLENTY OF STOCK.

While the weather last week was not ideal there was plenty of sun to bring out a good supply of stock. Many roses, carnations and bulbous flowers were received which sold at good prices. Carnations are in good demand and the prospects are brighter than a week or so ago for a good supply for Memorial day. Almost all shipments received are of good stock, there being very few or no splits. On account of the growers tearing out their roses the shipments have been reduced considerably. There are hardly any Beauties on the market and those which are on hand are of poor quality, especially in the foliage. Kaiserin continues to increase in numbers and in quality, which helps to fill the retailers' coolers in good style. Carnot, Chateau and My Maryland are still holding out well with prospects for a better supply in a few weeks. There are hardly any Richmond or Perle and those which are received have very short stems. Sweet peas, gladioli and irises are plentiful and the demand is good for them. There is an unusual shortage in Asparagus plumosus and A. Sprenger, which is hard to account for. Smilax is good and there is plenty of it.

### NOTES.

The Geo. M. Kellogg Flower & Plant Co. has not been receiving the usual amount of stock lately on account of having torn out so many rose benches. The rains last week washed out nearly all their carnations, plants and gladioli bulbs, so that they had to be replanted.

W. J. Barnes says that last week was the best in the history of his business, especially in flowering plants and bedding stock. He believed that the custom of decorating yards is rapidly increasing each year.

The Feunsteuck Flower Co. has sold out to J. F. Ephronson. Mr. Ephronson has had a great deal of experience

## Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

## HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

## Wholesale Flower Markets

| BOSTON, May 25.          |             | Per 100 |
|--------------------------|-------------|---------|
| Roses, Beauty, best      | 25 00@30 00 |         |
| " " medium               | 15 00@20 00 |         |
| " " culls                | 5 00@10 00  |         |
| " Bride, Bridesmaid      | 1 00@ 4 00  |         |
| " " Extra                | 5 00@ 8 00  |         |
| " Killarney and Richmond | 2 00@ 8 00  |         |
| " My Maryland            | 1 00@ 8 00  |         |
| " Carnot                 | 2 00@12 00  |         |
| Carnations               | 1 00@ 2 00  |         |
| " selected               | 2 00@ 3 00  |         |
| Callas                   | 8 00@10 00  |         |
| Cattleyas                | 35 00@50 00 |         |
| Lilium Longiflorum       | 8 00@10 00  |         |
| Lily of the Valley       | 2 00@ 3 00  |         |
| Smilax                   | 12 00@16 00 |         |

| ST. LOUIS, May 25.        |             | Per 100 |
|---------------------------|-------------|---------|
| Roses, Beauty, long stems | 15 00@20 00 |         |
| " " medium stems          | 8 00@12 50  |         |
| " " short stems           | 2 00@ 4 00  |         |
| " Bride, Bridesmaid       | 3 00@ 5 00  |         |
| " Killarney               | 3 00@ 6 00  |         |
| " My Maryland             | 3 00@ 6 00  |         |
| " Richmond                | 3 00@ 6 00  |         |
| Carnations                | 1 00@ 2 00  |         |
| " fancy                   | 2 00@ 3 00  |         |
| Callas                    | 8 00@10 00  |         |
| Easter Lilies             | 6 00@10 00  |         |
| Sweet Peas                | 20 @ 50     |         |
| Adiantum                  | 1 50        |         |
| Asparagus Sprenger        | 2 00@ 3 00  |         |
| Smilax                    | 12 50@15 00 |         |

| CINCINNATI, May 25           |             | Per 100 |
|------------------------------|-------------|---------|
| Roses, Beauty                | 1 00@ 4 00  |         |
| " Bride, Bridesmaid          | 2 00@ 6 00  |         |
| " Golden Gate                | 2 00@ 6 00  |         |
| " Killarney                  | 2 00@ 6 00  |         |
| " Richmond                   | 2 00@ 6 00  |         |
| Carnations                   | 1 00@ 3 00  |         |
| Callas                       | 10 00       |         |
| Daffodils                    | 2 00        |         |
| Daisies                      | 50          |         |
| Lilium Longiflorum           | 10 00@12 50 |         |
| Lily of the Valley           | 3 00@ 4 00  |         |
| Narcissus, Paper White       | 3 00        |         |
| Sweet Peas                   | 50 @ 75     |         |
| Tulips                       | 3 00@ 4 00  |         |
| Adiantum                     | 1 00@ 1 50  |         |
| Asparagus Sprenger, per bch. | 25          |         |
| Smilax                       | 12 50@20 00 |         |

| MILWAUKEE, May 25.    |                     | Per 100 |
|-----------------------|---------------------|---------|
| Roses, Beauty         | per doz., 75 @ 4 00 |         |
| " Bride, Bridesmaid   | 4 00@10 00          |         |
| " Killarney           | 4 00@10 00          |         |
| " Richmond            | 4 00@10 00          |         |
| Carnations            | 4 00@ 6 00          |         |
| Callas                | 15 00               |         |
| Cape Jasmine          | 1 00@ 2 00          |         |
| Daffodils             | 2 00@ 3 00          |         |
| Lilium Giganteum      | per doz., 2 00      |         |
| Lily of the Valley    | 4 00                |         |
| Magnolia              | 35                  |         |
| Peonies               | 5 00@ 8 00          |         |
| Snopdragon            | 6 00@10 00          |         |
| Sweet Peas            | 1 00@ 1 50          |         |
| Tulips                | 2 00@ 3 00          |         |
| Adiantum              | 1 50                |         |
| Asparagus             | per string, 50 @ 60 |         |
| " Plumosus, per bunch | 50                  |         |
| " Sprenger            | 35                  |         |
| Boxwood               | per bunch, 25       |         |
| Kerns, Fancy          | per 1000, 3 00      |         |
| Galax                 | per 1000, 1 50      |         |
| Smilax                | per doz., 3 00      |         |

along this line and expects to build up a good trade.

A. G. Barbee is preparing to do an immense business on Memorial day. His location at the Union cemetery is one that is desired by all florists on that date.

The Flower Shop reports a steady business. Their coolers are always

## —THE— J.M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES  
SEEDS and BULBS.

Price List on application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

## H. G. BERNING,

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

## C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

## WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Both L. D. Phones. Supplies and Everything in Season always on hand

## William Murphy,

Wholesale Commission

FLORIST

311 Main Street, CINCINNATI, OHIO.

full of choice carnations and roses, such as My Maryland, Beauty and Killarney.

Arthur Newell took a trip to Bonner Springs last week and while there placed an order for several thousand peonies for Memorial day.

Will Biederman is still busy making up porch boxes and laying out flower beds. He says from all appearances he will be doing this all next summer. The Rock Floral Co. reports cutting a large number of roses and carnations. None of the houses will be changed this year.

Sam Murray has some very good gloxinias, which make an exceedingly pretty window display.

MISSOURI.



# June Weddings and Commencements

Fancy Beauties, Best.....\$3.00 per dozen  
 Killarney, Maryland, Richmond Roses, very choice stock, long stems \$6.00 to 8.00 per 100  
 Peonies, including all the best varieties..... 6.00 to 8.00 per 100

THE LEO NIESSEN CO., Business Hours: 7 a. m. to 8 p. m.  
 Wholesale Florists, 1209 Arch Street, Philadelphia, Pa.

## Pittsburg Florists' Exchange

### Wholesale Cut Flowers

#### Everything Seasonable

Headquarters for Ferns, Galax and Leucothoe, and carry a large supply of the best on hand at all times. We quote the following interesting prices on small or large quantities.



Ferns, fancy and daggers, \$1.50 per 1000  
 Galax, green and bronze 65c per 1000.  
 Leucothoe, green and bronze 65c per 100.



15 Diamond Square, PITTSBURG, PA.  
 Mention the American Florist when writing

### PEONIES in any Color or Quantity.

JOHN W. MCINTYRE, Wholesale Florist, Specialties.  
 1601 Ranstead St., above Chestnut, Philadelphia.  
 Phones Bell, Spruce 63 74 A. Keystone Race 4042

#### Philadelphia.

#### PEONY WEEK.

This is peony week and the flowers are to be seen in great profusion. They were never in better condition, being large and well colored. Festiva Maxima is superb and experts say the best ever offered in this market. The long wet spell has helped very much and caused a strong and vigorous growth which is reflected in the flowers. Prices have taken a sudden drop and good stock is offered at \$3 and even less per 100. Choice Maxima command \$10. There appears to be a large quantity of everything. Roses, carnations, sweet peas, snapdragon, gladioli, irises, etc., are crowded into the boxes and cool rooms of the various commission houses awaiting customers who just now are treated with the greatest courtesy. Some especially choice Kaiserin and White Killarney roses are now coming in, the best that have been seen this season. Orchids are quite plentiful, that is cattleyas, which appear to hold the price well. This is one flower that it would seem should have its price controlled as there are comparatively few growers. From the additional stocks that are constantly being added it would appear that the growers are well satisfied with the returns. New dagger ferns are now being brought in by local gatherers; it was time, as the cold storage stocks were beginning to look badly. The bedding plant men are having a great business, large quantities of stock going out daily. Geraniums in flower are scarce, everything with a flower being grabbed up quickly.

The Robt. Craig Co. is having a great run on its scarlet sage. Pot roses are also going out by the wagonload. The young cyclamens, houses of them, are a sight worth going miles to see, healthy, vigorous plants, some now in 6-inch pans that insure well-flowered specimens long before Christmas.

The commission men report business fair for the immense amount of stock on the market. The Leo Niesse Co. is handling a splendid line of peonies, having the entire cut of a

### OUR SUMMER CUT OF

## Beauties, Kaiserins, Killarneys

Is now on. This stock will please you.

McCALLUM CO.,

937 Liberty Ave. Pittsburg

## Pittsburgh Cut Flower Co.,

### Wholesale Florists and Growers,

The House that has and sells good goods at fair prices.

Salesrooms, 222 Oliver Ave.

PITTSBURGH, PA.

## Wholesale Flower Markets

| PHILADELPHIA, May 25.      | Per 100     |
|----------------------------|-------------|
| Roses, Beauty, extra.....  | 20 00@25 00 |
| "    first.....            | 10 00@15 00 |
| "    Brides and Maids..... | 4 00@ 6 00  |
| "    Tea.....              | 4 00@ 6 00  |
| "    extra.....            | 8 00@10 00  |
| Carnations.....            | 2 00@ 4 00  |
| Callas.....                | 8 00@10 00  |
| Cattleyas.....             | 40 00@50 00 |
| Lilium Harrisii.....       | 8 00@10 00  |
| Lily of the Valley.....    | 4 00@ 5 00  |
| Mignonette.....            | 3 00@ 4 00  |
| Peonies.....               | 3 00@10 00  |
| Snapdragons.....           | 8 00@12 00  |
| Sweet Peas.....            | 50@ 1 00    |
| Adiantum.....              | 75@ 1 00    |
| Asparagus..... per bunch   | 50          |
| Smilax.....                | 15 00@20 00 |

| PITTSBURGH, May 25.             | Per 100     |
|---------------------------------|-------------|
| Roses, Beauty, special.....     | 12 00@15 00 |
| "    extra.....                 | 8 00@12 00  |
| "    No. 1.....                 | 4 00@ 6 00  |
| "    Bride Bridesmaid.....      | 4 00@ 8 00  |
| "    Chatenay.....              | 4 00@ 8 00  |
| "    Killarney.....             | 4 00@ 8 00  |
| "    My Maryland.....           | 4 00@ 8 00  |
| "    Richmond.....              | 2 00@ 6 00  |
| Carnations.....                 | 2 50@ 4 00  |
| Callas.....                     | 6 00        |
| Cattleyas.....                  | 50 00@75 00 |
| Daffodils.....                  | 1 00@ 3 00  |
| Gardenias.....                  | 25 00@50 00 |
| Gladioli.....                   | 4 00@ 8 00  |
| Lilac, white..... per bunch,    | 1 00@1 50   |
| Lilium Longiflorum.....         | 6 00@10 00  |
| Lily of the Valley.....         | 3 00@ 4 00  |
| Mignonette.....                 | 4 00        |
| Fansies.....                    | 50@ 1 00    |
| Primroses.....                  | 50@ 75      |
| Sweet Peas.....                 | 25@ 50      |
| Adiantum.....                   | 1 50        |
| Asparagus Sprengeri, per bunch, | 50          |
| "    strings...per string,      | 50          |
| "    sprays...per bunch,        | 50          |
| Smilax.....                     | 15 00       |

large local grower. American Beauty roses are also seen in quantity.

M. Rice and wife have left for home from their European trip on the steamship Gen. Grant and have secured, Mr. Rice says, some very fine novelties that will be among the best things they have ever offered.

The Joseph Heacock Co. is doing the greatest spring business ever had in palms. Mr. Heacock says: "We just have to push them out to make room for the young stock that is in turn pushing us for the room."

Keegan, late of Thirteenth street, is fitting up a store on Sansom above Thirteenth. It was formerly his supply depot but will soon blossom into

a fine retail store which should do well so near the busy center.

The H. A. Dreer Co. is having a great run on pot roses and although they grow them by the hundred thousand they are at this early date running low on popular varieties and of some are entirely sold out.

Edward Reid is right in it with Festiva Maxima peonies, superb stock cut from his own place, brought in daily by the car load (Packard car); they sell well.

McKissicks are offering superb Eastern rose stock, American Beauty and Kaiserin, the latter being exceptionally fine.

LEWISTON, ME.—Ernst Saunders has opened a new store on Lisbon street with Miss Grace Barker in charge.

CORRY, PA.—Mrs. M. Caldwell has opened a store in the traction office to relieve the Memorial day rush at the North Center street place.

WASHINGTON, D. C.—A new store has been opened at 905 G street by Leapley & Meyer, both of whom are specialists in funeral designs.

SANTA CRUZ, CALIF.—Dr. P. J. Parker, who has spent some months in the Phillipines collecting orchids, is expected to return in the early autumn.

CLEVELAND, O.—The Schneider Floral Co. has been incorporated by A. E. Kramer, E. S. Byers, C. D. Friebolin and others, with a capital of \$25,000.

MUNCIE, IND.—The Warfel Floral Co. of this city has been incorporated with a capital of \$10,000. The directors are Hiram Warfel, Lottie C. Warfel and Francis A. Shaw.

NEWARK, N. J.—While the chauffeur was out for a "joy ride" May 19, the auto of August Begerow turned turtle and landed in a ditch. The four occupants were thrown out but escaped with slight injuries.

NATCHEZ, MISS.—Supt. Taylor of the National Cemetery has been seriously ill for six weeks with septic poisoning in his right hand, brought about by a rose thorn penetrating the middle joint of the index finger. He is certain to lose that finger, if the results are not more serious.



## New York.

## TRADE DULL.

The market conditions of the past week were very unsatisfactory. Roses in particular dropped off heavily in price. While there was nearly always some special stock selling fairly well as the market opened, it was very hard to move anything at a fair price throughout the most of the days and all varieties of roses suffered alike. A few selected American Beauties sold for 15 cents and 20 cents each, but many others that might be called fairly good specials went for eight to ten cents and even lower. As to the short grades, the less said of them the better. Some very good Richmond has been arriving, but much of that stock reaches the market so open that it is hard to handle and we have noted otherwise good stock that could not be sold for eight cents. Both Killarney and White Killarney have been practically a glut and the shorter grades are practically unsalable, for, as a well-known dealer expressed it, "when they can buy good long-stem roses for three and four cents they do not care for the short ones." There are some good Kaisers on the market but they are suffering in the general slaughter. The carnation situation is not quite so bad as, in proportion, they are less plentiful than roses, but it is hard to sell the best for more than two cents. The supply of peonies is increasing and prices are falling. There may be some improvement when the best varieties arrive. Orchids are moving fairly well. The better grades of gardenias are selling but there is a large amount of inferior stock that is almost worthless. Of stocks, sweet peas, snapdragon, and various outdoor stocks there is an abundant supply and it seems as though the fancy of the people now runs largely to anything that may be classed as spring flowers. This is doubtless a contributing feature to the glut in roses. The weather is now warm and the sales of geraniums and other bedding stocks are reaching large proportions.

May 23.—The condition of the market has not improved. There is much complaint that the roses arriving are too open; this is probably due to the warm weather of the latter part of last week.

## NOTES.

M. A. Bowe has been very busy of late with wedding decorations. One of his very notable efforts was a decoration for the wedding of Miss Madeline Borland to Clarence C. Pell, which took place at the Church of the Incarnation May 17. Peonies and other spring flowers were largely used and Mr. Bowe's work was highly commended.

The plant market, at Canal and Washington streets, is now, from midnight until 6 a. m., a very busy place. Among the notable plant growers who have space in this market and sell an immense quantity of fine stock, John Birnie, West Hoboken, N. J., and Wm. F. Koenig, Guttenberg, N. J., may be mentioned.

The department stores continue to buy enormous quantities of stock, much of which it is said, is received from other cities. The leading retailers of this city consider this an abuse. They should be powerful enough to make their influence felt in the Society of American Florists and kindred organizations.

L. D. Moore, son of Frank L. Moore, of the well-known wholesale firm of Moore, Hentz & Nash, sailed for Europe on May 21, where he will enjoy an extended vacation. Returning in

July he will go to Cuba where he has extensive business interests.

The Julius Roehrs Co. of Rutherford, Lager & Hurrell of Summit, W. A. Manda of South Orange and Jos. A. Manda of West Orange, all in New Jersey, will have fine exhibits at the orchid show in Boston.

W. W. Kimmel, a well known retailer of Washington, D. C., spent some time in this city during the past week and called on a number of old friends and business acquaintances.

Wm. Elliott & Sons are selling an immense amount of plant stock at auction. It is not unusual to see from 6 to 12 wagons waiting to be unloaded at their store.

Paul Meconi, who is well known in the wholesale district, will, on June 3, open a wholesale store at 132 West Twenty-eighth street.

There is talk of a large delegation going from here to the orchid exhibition at Boston.

## Buffalo.

The past week has shown great advances in flowers outdoors, weather conditions being more favorable and the calls on all stores and greenhouses are: "When will you fill my veranda box or lawn vase?" Here the answer is "not until after Memorial day." We are liable to frost it is true, but another reason is that greenhouse men have all they can do to get plants ready for the sale on Memorial day. As to down-town stores they are not bothered so much with small plant trade as the ones near the cemeteries but have quite a call for wreaths of galax, etc., ordered by individuals and not as much by the schools as in past years. What was always a big day, has got to be quiet as for large designs being ordered by the schools.

Halley's comet has had its innings in this city and among others was Palmer, who had a good model of the globe and on it several who were looking through telescopes at the comet, all being executed by W. H. Grever. Many people have seen or imagined that they have seen all kinds of forms and faces in the comet. Those who viewed Palmer's claim that velvet poinsettias in pots with ever-ready pot covers were seen bearing the name of Anderson. Also Park Commissioner Kasting was seen in his automobile looking for a suitable place for a road drivers' speedway and a hospital site.

There has been an unusual sale this year of boxwood for lawns in small tubs and pyramids, also laurels; shrubs are handled so much by department stores that the florists do not bother with them.

The florists' picnic is in the air, also a ball game. It would be very interesting to see a game captained by the former New Yorkers—McGraw, Slattery and Stallings Good.

The death of one of this city's prominent canoe men and president of the American canoe association, gave some elaborate funeral orders to several of the retailers.

McClure & Son, Townsend & Fleming and Jas. Allard, who are our leading landscape architects, have been very busy this season.

S. A. Anderson has torn down a small house to replace it with a show house about 20x50 feet for showing begonias.

## BISON.

SOMERSWORTH, N. H.—G. S. Ramsburg is the proprietor of the new greenhouses at this place. He is making preparations for a big Memorial day business.

## WORTH READING

San Francisco, Calif., May 13, 1910.

This will advise you that I have thoroughly tested out your product APHINE and can highly recommend same for exterminating aphids. Our outside roses in Golden Gate Park were badly infested with aphids. With the first application of APHINE the pest was entirely destroyed.

(Signed) JOHN MCLAREN,  
Supt. Golden Gate Park.

"Uplands," San Mateo, Calif.,  
May 10, 1910.

The APHINE you sold me I have used on orchard trees and ornamental plants infested with scale, green and white fly, thrips, mealy bug, etc., and found in every case that it completely destroyed the pests in question, with not the slightest harm to the subjects treated. It is without doubt the finest insecticide I have ever used.

(Signed) WILLIAM MUNRO,  
Supt. to C. T. Crocker, Esq.

Miami, Biscayne Bay, Fla.,  
April 26, 1910.

The sample of APHINE you kindly sent me was used on a lot of palms which were infested with mealy bug, and I am glad to say it entirely destroyed them without injury to plants. I shall include APHINE in my next order for supplies.

(Signed) E. J. ANDREWS,  
Gardener Hotel Royal Palm.

Hill Crest, Purchase, N. Y.,  
May 14, 1910.

Replying to your letter of March 31st, I wish to say that we have given your APHINE a thorough test, and have come to the conclusion that it is one of the best insecticides ever sent out.

(Signed) A. UNDERWOOD, Supt.

Morristown, N. J., April 25, 1910.

It gives me great satisfaction to tell you that APHINE has entirely cleaned my gardenias of mealy bug. I used it 1 part to 35 water. I have tried many things with more or less success, but this was the first complete success. There was no injury to buds or foliage.

(Signed) EDWARD REAGAN.

Concord, N. H., May 8, 1910.

Received the APHINE and gave it a good test. As I wrote to you before, my 'mums were literally covered with lice, but that is a thing of the past. I regard APHINE practically as an insurance against insects, and I shall not be without it in the future.

(Signed) H. D. WHITNEY,  
Prop. Fern-Croft Farm.

Pasadena, Calif., April 11, 1910.

It may interest you to know that of the three fluid insecticides which I have tested, APHINE has proved to be the best. First, it did not disfigure foliage or flower; Second, it mixed with water perfectly; and last, but not least of its merits, it is less expensive than any of the others, considering the work accomplished.

(Signed) P. D. BARNHART,  
Editor of Pacific Garden.

We will supply many reports, equally as praiseworthy, of the merits of APHINE as those submitted above, or any other particulars you may like to obtain.

**Aphine Manufacturing Company**  
**MADISON, N. J.**



# Young & Nugent,

Telephone 2065-2066 Madison Square.

42 West 28th Street,

To out-of-town florists

We are in the Heart of

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And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

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# Traendly & Schenck,

WHOLESALE FLORISTS,

131 & 133 WEST 28th ST  
Phones: 798 and 799.

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**THE WHOLESALE FLORIST OF NEW YORK**  
**34 WEST 28th STREET,**  
**PHONES, 1664-1665 MADISON SQUARE**  
**ENOUGH SAID.**

# J. K. ALLEN,

Commission Dealer in Cut Flowers,

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Established 1887.

Consignments of Cut Flowers handled to best advantage. Your business relations always appreciated.

Prompt returns. Weekly payments to all shippers.

Telephone 167—4468 Madison Square.

Open at 6 a. m. every day



Give us a  
Trial  
We can  
Please you.

Roses, Carnations and all kinds o.

Seasonable Flowers in Stock.

**WM. F. KASTING CO.,** Wholesale  
Florists.

**BUFFALO, N. Y.**  
Florists' Supplies and Wire Designs.

## Wholesale Flower Markets

| NEW YORK, May 25.                   |             |
|-------------------------------------|-------------|
| Roses, Beauty, special.....         | 15 00@20 00 |
| " " extra and fancy.....            | 8 00@10 00  |
| " " No. 1.....                      | 4 00@6 00   |
| " " No. 2.....                      | 1 00@3 00   |
| " " Bride, Bridesmaid, special..... | 3 00@4 00   |
| " " extra and fancy.....            | 2 00@3 00   |
| " " Killarney, special.....         | 3 00@4 00   |
| " " extra and fancy.....            | 2 00@3 00   |
| " " No. 1 and No. 2.....            | 75@1 00     |
| " " My Maryland.....                | 1 00@4 00   |
| " " Richmond.....                   | 1 00@8 00   |
| Carnations.....                     | 1 00@3 00   |
| Callas.....per doz.,                | 75@1 00     |
| Cattleyas.....                      | 25 00@40 00 |
| Gardenias.....per doz.,             | 75@2 00     |
| Gladiolus.....per doz.,             | 50@3 00     |
| Lilium Longiflorum.....             | 2 00@5 00   |
| Lily of the Valley.....             | 50@2 00     |
| Mignonette.....per doz.,            | 20@1 50     |
| Peonies.....per doz.,               | 75@1 00     |
| Sweet Peas.....per doz. bunches     | 75@1 25     |

| BUFFALO, May 25.                |             |
|---------------------------------|-------------|
| Roses, Beauty, special.....     | 20 00@25 00 |
| " " fancy.....                  | 15 00@20 00 |
| " " extra.....                  | 10 00@15 00 |
| " " Bride, Maid, Killarney..... | 8 00@10 00  |
| Carnations.....                 | 1 50@3 00   |
| Callas.....                     | 8 00@12 00  |
| Daisies.....                    | 1 00@2 00   |
| Lilium Longiflorum.....         | 8 00@10 00  |
| Lily of the Valley.....         | 3 00@4 00   |
| Mignonette.....                 | 1 00@3 00   |
| Peonies.....                    | 5 00@8 00   |
| Sweet Peas.....                 | 5 00@1 00   |
| Tulips.....                     | 1 00@2 50   |
| Adiantum Croweanum.....         | 1 25@1 50   |
| Asparagus Str.....              | 50@60       |
| Ferns.....                      | 2 50        |
| Galax, green and bronze.....    | 1 50        |
| Smilax.....                     | 15 00@20 00 |

## ALFRED H. LANGJAHR

WHOLESALE FLORIST,

55 W. 28th Street, NEW YORK.

All flowers in season. Consignments of first-class stock solicited.

Phones 4626 and 4627 Madison Square.

## KESSLER BROS.

50 W. 28th St., NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS.

Phone 2336 Madison. Shipments Everywhere. Prompt and satisfactory. Consignments solicited.

CLEVELAND, O.—A greenhouse, 100 feet long, will be built in Gordon park to supplant the hotbeds now in use.

## Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 28th Street,

Telephone No. 756  
Madison Square. NEW YORK.

Mention the American Florist when writing

## HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty. Roses, Violets, Carnations, Valley, Lilies, Etc.

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Telephones: 2200 and 2201 Madison Square.  
Mention the American Florist when writing

## Walter F. Sheridan

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

131 & 133 West 28th St., NEW YORK.

Mention the American Florist when writing

—FLOWERS SHIPPED BY—

## JOHN I. RAYNOR

Are the best product of the best growers for the New York market.

Adiantum Croweanum sold here exclusively.

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Telephone 1998 Madison Square.

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Successor to FORD BROS.

Receivers and Shippers of **FRESH FLOWERS.**

121 West 28th St., NEW YORK.

Telephone 3870-3871 Madison Square.

## August Millang

WHOLESALE FLORIST

41 W. 28th St., NEW YORK

## N.Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.

Open for Cut Flower Sales at 6 o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

**V. S. DORVAL,** Secretary.

ROME, GA.—John T. Taylor writes: "We are having some very disagreeable weather for this season, cold and rain. Fire is comfortable in the house at night. A very general observation of Mother's day was participated in by the churches and literary societies of our city. This year for the first time the teachers gave flowers to the pupils, and the people on the street wore flowers. We do not open on Sunday, consequently we sold flowers Saturday evening and night. Carnations were the principal flowers, but as roses, hydrangeas, peas, pansies, gardenias, magnolias and a few others were blooming outdoors, there was no scarcity. We have had a very good trade in plants and cut flowers this season."



**George Cotsonas & Co.**Wholesale and Retail Dealers  
in all kinds of**Evergreen**Fancy and Dagger  
Ferns, Bronze and  
Green Galax.  
Phone 1202 Mad. Sq.

Main Store, 50 W. 28th St., NEW YORK.

Perpetuated and Natural Sheet

**MOSSSES**

New Crop Ferns, Fancy and Daggers

NOW READY, Price \$1.25 per 1000.

E. A. BEAVEN,

Evergreen, Ala.

We Issue to Members a

**CREDIT LIST**

With Quarterly Supplements. The list now contains between 7,000 and 8,000 names. Membership fee, \$10.00 including privilege of obtaining unlimited number of commercial ratings at cost.

We also collect accounts at standard rates.

National Florists' Board of Trade, 56 Pine St., NEW YORK.

Boston.

TRADE RATHER QUIET.

The weather has not been of the best here during the past week and this has had the effect of making business rather on the quiet side. The present week opened fair and warm with a great increase in the supply of roses, carnations, peonies and all other classes of stock. Roses are especially plentiful and all are looking forward to an exceptionally busy Memorial day. Owing to the large amount of stock on hand it is not thought that prices will be high; even carnations are coming in now in good shape which removes anxiety on their account. Orchids are good, so are sweet peas and most other stocks are in good shape.

NOTES.

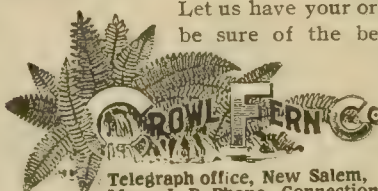
On May 24 Welch Bros. received a shipment of good yellow chrysanthemums. Large shipments of orchids also continue to arrive.

W. H. Elliott is cutting from 35,000-50,000 roses daily. Wholesale dealers are placing heavy orders for Memorial day.

Madison, N. J.

The monthly meeting of the Morris County Gardeners and Florists' Society, held May 11, was given over by previous arrangement to the rose growers to fix the rose classes for the final flower show schedule, which it is hoped will be ready for the printer in June. This schedule will be much more comprehensive than was at first expected. As has been before stated, all of the eastern societies, and many of the societies from the middle-west have promised to help make up the show. The prizes are enticingly large, there being at this date \$3,000 available for this purpose besides, the medals and special prizes yet to come in.

The Whippany river club house, Morristown, is the place selected for the show. It is easy of access, by railroad and trolley, and when it comes to room, it will at least have as much space as Madison Square garden, New York. Of course the chrysanthemum will be at its best, November 2-4. We hope for roses in quantity and we cannot do without the carnation. In addition to these, negotiations are in progress for the seedsmen and nurserymen to make trade exhibits; there is ample room. Whippany river club is owned by something like 200 gentlemen, every

**New Crop Ferns Now Ready, only \$1.75 per 1000.**Telegraph office, New Salem,  
Mass. L. D. Phone, Connection.

Let us have your orders now for Memorial Day, and you will be sure of the best to be had and at rock bottom prices.

Galax, bronze or green, 75c per 1000.

Special lot of Bronze Galax, at \$6.00 per case of 10,000. SPHAGNUM MOSS, 12-barrel bales for \$3.50. Nice stock. Try a bale. GREEN MOSS, \$1.25 per barrel.

Use our LAUREL FESTOONING, for decorations, 4c, 5c, and 6c per yard. Made fresh daily from the woods.

SMILAX, 50 lb. cases, \$6.00. PINE, 7c per lb.

Nice, large bunch of Laurel Branches, 35c. Laurel and Pine, wreaths, \$2.00 to \$3.00 per doz. Boxwood, \$15.00 per 100 lbs.

**Crowl Fern Co.,****Millington Mass.**

FANCY.

**Henry M. Robinson & Co.**

Wholesale Commission Florists.

**Cut Flowers** of all kinds, Hardy Cut Evergreens and Florists' Supplies.

New Crop Dagger and Fancy Ferns ..... \$2.00 per 1000

Bronze and Green Galax ..... \$1.00 per 1000; 8.50 per 10 000

Leucothoe Sprays ..... \$1.00 per 100; \$7.50 per 1000

Southern Wild Smilax, Branch Laurel, Laurel Festooning,

Green and Sphagnum Moss, Boxwood Sprays,

A large stock constantly on hand. Can fill orders at a moment's notice, Telephone or telegraph.

Telephones: 2617-2618 Main; Fort Hill 25290.  
15 Province Street and 9 Chapman Place,**BOSTON, MASS.****FANCY FERNS, \$2.00 per 1000**

New Crop Galax, Bronze or Green.....\$1.25 per 1000; 10,000, \$7.50

Sphagnum Moss, large bales .....\$1.25; 6 bales, \$7.00. Extra fine

Leucothoe Sprays, Green and Bronze.....\$1.00 per 100; \$7.50 per 1000

Boxwood.....per bunch, 35c; 50-pound case, \$8.50

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

**MICHIGAN CUT FLOWER EXCHANGE, Inc.**

Wholesale Commission Florists and Florists' Supplies,

38-40 Broadway,

All phone connections.

DETROIT, MICH.

**New Crop Ferns****FANCY and DAGGER** ready May 1st.

Special price for large orders

Price \$1.25 per 1000.

**CALDWELL THE WOODSMAN CO.,**  
**Evergreen, Alabama**

kinds will be obtainable to take care of the trade. Snowballs and bridal wreath are expected to be a factor. String smilax is plentiful. Asparagus is a little more plentiful. Boxwood is still a good seller.

L. F. Darnell, manager of the Gas-ser Co., met with a painful accident last week in a friendly scrimmage with the "boys" at his home Sunday afternoon. In the "melee" his foot turned under him and they all went down with a crash. The result was a broken bone and torn ligaments in his lower leg that will take some five weeks to heal up. This is unfortunate coming at the height of a busy season.

The ball game on Memorial day promises to be a lively affair, and every florist who can get away from his work should attend.

C. B.

GRAND RAPIDS, MICH.—Nick Luth has started in business here, growing vegetables principally, and a few flowers. He has four greenhouses 30x100 feet.

one of whom is behind this show. The flower show committee of the club consists of Dr. D. Hunter McAlpin, Dr. Leslie D. Ward and Otto H. Kahn, who work hand in hand with the society committee. Twenty of the most influential people in Morris county have accepted appointments as honorary vice-presidents and 200 or more will be added as honorary members. This show ought to be a huge success. Morristown likes flowers. There is a population of over 12,000 to draw from and the Whippany river club committee promises to give us 2,500 paid admissions of society folk.

E. R.

Cleveland.

Stock has been a little more plentiful the past week and will continue to be so from now on. A few days of good warm sunshine and peonies and other outdoor stock will be in for Memorial day. Carnations are becoming more plentiful. Sweet peas in white and lavender have been a little shy of the demand. Pink sweet peas in all shades are over-plentiful. Easter lilies are coming in by the thousand with a fairly good demand. Callas are a little scarce. Roses are plentiful, especially Kaiserin, Richmond, Bride, Maid and American Beauty are all in full crop and even if outside flowers do not arrive, enough indoor stock of all



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Established in 1857.



739 Buckingham Place,

L. D. Phone 558 Lake View.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY.

Cincinnati, O.

JULIUS BAER,

138-140 E. Fourth St.  
Long Distance Phone.

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CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

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CANAL ST.

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Wholesale and Retail  
FLORIST.Kalamazoo and  
Battle Creek, Mich.

H. A. FISHER CO.

Wholesale and Retail Florists.

We Handle Everything in Season.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper  
care of your orders 'n Wisconsin.

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail. Telephone and Telegraph orders filled  
promptly with the choicest stock.

Washington, D. C.

GEO. H. COOKE

FLORIST

Connecticut Avenue and L Street.

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NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL  
Western Union Code.

FROM NEW YORK EXCEPT AS NOTED.

May 31.

FROM BOSTON, Zealand, White Star, 4 p. m.  
Moltke, Ham.-Amer., 11 a. m., Hoboken Pier.  
Ryndam, Holl.-Amer., 10 a. m., Hoboken Pier.  
Kronprinz Wilhelm, No. Ger. Lloyd, 10 a. m., Hoboken Pier.

June 1.

Mauretania, Cunard, 9 a. m., Piers 54 and 56, North River.  
Adriatic, White Star, 12 noon, piers 60 and 61, North River.  
President Lincoln, Ham.-Amer., 12 noon, Hoboken Pier.  
FROM BALTIMORE, Cassel, 2 p. m., pier 9, Locust Point.

June 2.

Pannonia, Cunard, 12 noon, piers 54 and 56, North River.  
La Lorraine, French, 10 a. m., pier 42, North River.  
Oceana, Ham.-Amer., 1 p. m., Hoboken Pier.  
Prinzess Alice, No. Ger. Lloyd, 10 a. m., Hoboken Pier.

June 3.

Calabria, Anchor, pier 64, North River.  
FROM MONTREAL, Corsican, Allan, 3 a. m.  
FROM QUEBEC, Empress of Britain, Can.-Pacific, 3.30 p. m.

June 4.

Caledonia, Anchor, 3 p. m., pier 64, North River.  
Philadelphia, American, 10 a. m., pier 62, North River.  
Finland, Red Star, 11 a. m., pier 59, North River.  
Arabic, White Star, 9 a. m., piers 60 and 61, North River.  
Amerika, Ham.-Amer., 2 p. m., Hoboken Pier.  
Madonna, Fabre, 1 p. m., Amity Dock.  
Berlin, N. Ger. Lloyd 11 a. m., Hoboken Pier.  
FROM MONTREAL, Lake Erie, Allan, daylight.  
FROM PHILADELPHIA, Friesland, American, 10 a. m., pier 54.  
FROM MONTREAL, Dominion, White Star, Dom., daylight.

Brooklyn, New York.

“WILSON”

3 and 5 Greene Ave. and 339 to 347 Greene Ave  
Greenhouses: Short Hills, N. J.

— Deliveries in —

NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

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D. C.

Gude's

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FLORISTS.

1415 Farnum St.

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Denver, Colo.

The Park  
...Floral Co.

J. A. VALENTINE, President.

Washington, D. C.

Geo. C. Shaffer,

::: FLORIST :::

Phone 2416 Main

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Write, Telegraph or Telephone.

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Our Ready Reference Ad. Dept.



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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

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Geo. M. Kellogg Flower and Plant Co.,  
906 GRAND AVE.

## KANSAS CITY and PLEASANT HILL, MO

Will fill all orders for Cut Flowers, Funerals, Designs, Wedding and Birthday Gifts that may be entrusted to them.

## Terre Haute, Ind.

John G. Heintz & Son,  
129 South Seventh St.

Telephone 247.

We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

## Pittsburg, Pa.

A. W. SMITH CO.

KEENAN BLDG.

Largest Floral Establishment in America  
Established 1874. Incorporated 1909.

## Rochester, N. Y.

J.B. KELLER SONS,

FLORISTS.

25 Clinton Avenue, N.

Rochester Phone 506. Long Dis. Bell Phone 2184

*M. A. Rowe*

IN HEART OF NEW YORK CITY

Phone 2270 38th St. 1294 Broadway  
Our Motto—THE GOLDEN RULE

## Anderson, S. C.

THE ANDERSON FLORAL CO.

533 MARSHALL AVE.

## New York Plant Auctions.

Down in the seed district, in the vicinity of Vesey and Cortlandt streets, Tuesdays and Fridays are auction sales days, and the excitement is quite as great as at the smart uptown auction salesrooms. Women stand rows deep, and the commuter and the commuter's wife run a race with the small dealers to get seeds and plants at cut prices.

It is a curious phase of the auction business that has developed in this line and brings out some interesting side lights of human nature. With lots of women, and particularly since the bungalow craze attacked the community, the fever for seeds, bulbs, plants and bushes with which to ornament their garden plot has eclipsed the desire for personal adornment, and each auction day one will find them out in force, seeking for horticultural bargains as most women seek for those sartorial.

There are plant and flower cranks, too, just the same as in other lines. One woman buys only hydrangeas, another a certain kind of rose. Still others are ever on the lookout for some bush or shrub that will increase the beauty of landscape architecture.

"How much am I offered for this

## New York.

Established 1874.

**DARDS**

N. E. Corner 44th St.  
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

fine rose bush, this wonderful Du Barry? It's a fine, faultless flower, a free bloomer, grows vigorously, is deliciously scented, hardy and can stand even a late spring over in Jersey?" cries the auctioneer. The Long Islanders and the Bronxites in the crowd smile patronizingly at their Jersey brethren and at the slur on Jersey climate, but the latter, warned by long experience, are impregnable to jibes and keep their eyes on the main chance.

"Fifty cents? 50 cents, am I offered? No? 49 then—" No answer and the price drops to 30.

"Twenty-five cents," pipes up a meek little woman in brown, standing near the door of the shop. She is seen to be laden down already with queer shaped bundles, from which emerge the straggling twigs, proclaiming her a bargain counter customer.

"Roses are her hobby," explains the auctioneer's assistant in an audible aside. "Every auction day she's here at the drop of the hat and doesn't leave till the place is cleared up. She must have a thousand different varieties of roses, more or less. Now that tall, thin woman over there with the hatchet face, she's the hydrangea crank. Sometimes she buys the plants and sometimes the bulbs (of hydrangea), but nothing else much interests her, unless it's box for her garden hedge.

"Box is pretty expensive, you know, and it takes a lot of plants to enclose a garden, even a small one. You can plant the seeds but it takes forever to grow, so it's more satisfactory to get the small plants. These cost as much as 50 cents each at retail; that is, for the very tiny ones. If you buy at auction you can generally get them for 25. I suppose that when she gets a little extra pin money she just stops and buys a couple of box plants, the same as some women would fancy neckwear. In time she'll have enough to go all around her garden and she won't feel the expense getting them in this way."

Not only flowers and seeds but fruits and vegetable plants, fresh from the cold frames, are sold in this way, and persons are falling over themselves in their efforts to stock their gardens cheap. For, according to the head of one of the big seed establishments downtown, the sale of seeds as well as growing plants, is unprecedented this year.—New York Herald.

HOLLAND, MICH.—Jones & Ebelink have mutually dissolved partnership. Henry Ebelink taking the Central Park greenhouses and conducting the florists' business. Ralston S. Jones takes the Glenwood fruit farm and nursery and will conduct a general nursery business.

## Cleveland, O.

The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in NORTHERN OHIO.

Mention the American Florist when writing

## Dayton, O.

Matthews,

—FLORIST—

16 W. 3rd Street.

Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones  
Mention the American Florist when writing

## St. Paul, Minn.

HOLM & OLSON,  
ST. PAUL

The Leading Florists of the Northwest

Orders will be well cared for anywhere in MINNE-OTA AND THE DAKOTAS.

Mention the American Florist when writing

## Los Angeles, Calif.

J. W. Wolfskill,  
FLORIST,

Telegraph Orders  
A Specialty,

218 W. 4th St

## Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**  
96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

## Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

**DANIELS & FISHER**

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

## Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

## Pittsburg, Pa.

H. L. BLIND & BROS.,

Two Stores: Liberty Av. & 5th St., 5424 Center Av.  
Greenhouses: West View.

NEW ORLEANS, LA.—The Gardeners' Mutual Protective Association celebrated its thirty-fifth anniversary with a May festival and picnic at Southern park, May 15.

MEXICO CITY, MEX.—The authorities postponed the annual "battle of flowers" which was to take place May 8 out of respect to the late King Edward of England. This was announced after all orders were placed and florists lost to the extent of \$6,000.



# DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Kansas City, Mo.

**WILLIAM L. ROCK,**  
Flower Co.,

Will carefully execute orders for  
Kansas City and any town in

Missouri, Kansas or Oklahoma.

Mention the American Florist when writing

St. Louis, Mo,

Write, Wire or Phone Your Orders to

**YOUNGS**

1406 Olive Street,

Regular discount allowed on all orders, either  
Plants or Cut Flowers.

Phones Bell, Main 2306, Kinloch, Central 4981

Mention the American Florist when writing

New York.

Established 1849

**David Clarke's Sons**

FLORAL DECORATORS

2139-2141 Broadway

Telephones:  
1552-1553 Columbus.

Choice Cut Flowers

Lansing, Mich.

**Gurdon B. Smith**

Covers all Points in Michigan. Best of  
Shipping Facilities in all Directions.  
Always has the best of Everything.

Kansas City, Mo.

**Samuel Murray**

..... FLORIST .....

1017 Broadway Coates House

Both Phones 2670 Main. Conservatory

Write, Telephone  
or Telegraph.

All orders given prompt  
attention.

Louisville, Ky.

Established 1880.

**M. D. REIMERS**

"Successor to Chas. W. Reimers.

.....329 Fourth Avenue

St. Paul, Minn.

**L. L. MAY & CO.**

Order your flowers for delivery  
in this section from the

LEADING FLORISTS OF THE NORTHWEST.

San Francisco, Calif.

**J. B. BOLAND**

Successor to Sievers and Boland

**FLORIST**

60 KEARNEY STREET.

Detroit, Mich.

**John Breitmeyer's Sons**

Corner Miami and Gratiot Avenues.

**Artistic Designs.**

**High Grade Cut Blooms.**

We cover all Michigan points and good  
sections of Ohio, Indiana and Canada.

Mention the American Florist when writing

The Romance of the Violet.

The modest violet is everywhere, but how many admirers of this universal favorite are familiar with the story of her wanderings and fidelity and of her gradual change from white to blue? Viola's history is inextricably bound up with that of the beautiful Io, daughter of the King of Argos, priestess of Juno, and beloved of Jupiter who, on account of the jealousy of Juno, changed Io into a milk-white heifer. But this stratagem could not escape detection by Jupiter's queen, and through her blandishments she obtained from him the gift of the heifer, which she placed in her grove at Mycenae, under the charge of watchful Argus with the hundred eyes, of which only two ever slept at one time.

Now to the rescue comes Mercury, most wily, most versatile of all the gods. Mercury, was a young man in a broad-brimmed hat adorned with wings bearing a staff in his right hand and winged sandals on his feet. He was herald general to the gods, interpreter of dreams, god of eloquence and presiding deity of thieves; he prophesied with loaded dice, bound Ixion to the wheel, chained Prometheus to the rock, and at length borrowed the pipe of Pan with which he lulled hundred-eyed Argus to sleep, cut off his head and delivered Io, for which exploit we are duly grateful, because, without the wanderings of Io in the form of a white cow tormented by a gad-fly, which pursued her in a state of frenzy over the whole earth, perhaps we should not have the gentle violet to brighten our spring rambles and make glad our hearts. Thus we are told that the dainty violet was created by Jupiter and dedicated to Io to be her companion during her wanderings up and down the earth. Wherever she went to escape the persecutions of Juno in the form of a gad-fly violets sprang up to keep her in good cheer and remind her of Jupiter's constancy. Especially in pastures green and along the borders of shady streams are these beautiful flowers found in great abundance, for to such retreats resorted Io to find sustenance and seek refuge from her tormentor. Even to this day, although most of the violets have become blue from looking up at the sky, where Io now dwells, they love to follow the cows wherever they go, whether to mossy dell, moist meadow or shady wood, and whenever you find bossy standing knee deep in the brook down by the "old swimmin' hole" just look along the banks and there you will find great companies of Io's faithful retainer and consoler, the humble, modest, delicate violet.—Philadelphia Record.

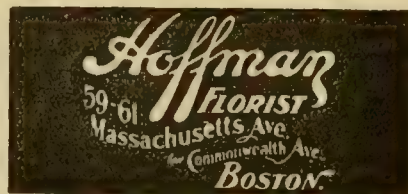
New York.

**A. J. Bunyard**

FLORAL CO.

We Guarantee Satisfaction

413 Madison Ave. cor. 48th St.



Albany, N. Y.

**EYRES,**

Flowers or Design Work.

Delivered in Albany and Vicinity on  
Telegraphic Order.

11 NORTH PEARL STREET.

Boston, Mass.

Send flower orders for delivery in

**Boston and all  
New England Points**

To THOS. F. GALVIN, Inc.,  
124 TREMONT ST.

THE J. M. GASSER COMPANY,

**CLEVELAND, O.**

We Cover All Points in Ohio.

Buffalo, N. Y.

**Palmer's** Flowers  
of Quality

W. J. Palmer & Son.

304 Main St.

Louisville, Ky.

**JACOB SCHULZ,**

550 So. Fourth Avenue.

Colorado Springs, Colo.

**FRANK F. CRUMP,**

Wholesale and Retail Florist.

MICHIGAN. Orders will be carefully  
cared for by

**HENRY SMITH,**

Wholesale and Retail Florist of GRAND RAPIDS

**GEO. A. HEINL,** Leading Florist,  
TOLEDO, OHIO.

All Orders Promptly Executed



## The Seed Trade.

### American Seed Trade Association.

J. C. Robinson, Waterloo, Neb., Pres.; M. H. Duryea, New York, First Vice-Pres.; F. W. Bolgiano, Washington, D.C., Second Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.; Leonard H. Vaughan, Chicago, Asst. Sec'y. Twenty-eighth annual convention, at Atlantic City, N. J., June 21-23, 1910.

ONION SETS in the Chicago district average very well for this time of year.

THE fourth annual meeting of the Iowa Seed Dealers' Association will be held at the Chamberlain hotel, Des Moines, June 9.

SAGINAW, MICH.—A. T. Ferrell will make a recreation trip to Europe, sailing from New York to Liverpool on the Steamer Minnetonka May 28.

W. ATLEE BURPEE and Howard M. Earl passed through Chicago May 25 enroute to the Pacific coast. They intend returning in time for the convention, June 21-23.

ALPENA, MICH.—Conditions have been quite favorable for peas. We had a dry spring which gave the farmers a good seeding time and we are now having much needed rain.

CHICAGO.—Contract prices on the board of trade May 25 for grass seed were noted as follows: Timothy, \$4.25, nominal. White clover, from 20 cents to 25 cents.

FRENCH White Roman hyacinths are reported higher; some growers asking 88 to 90 francs May 20 in the Toulon district. Slight changes are reported in other French bulbs from the figures previously named in these columns.

PROVIDENCE, R. I.—At a meeting of the stockholders of W. E. Barrett & Co., May 16, Geo. F. Williams was elected to fill the office of treasurer rendered vacant by the death of his father. W. A. Fisk is president and Leon Williams secretary.

THE Waukesha Canning Co. at Waukesha, Wis., was adjudged bankrupt May 19 at Milwaukee. Judge J. V. Quarles of the United States District court appointed William H. Nicholls and A. B. Cambier receivers. The assets were placed at \$903,180 and liabilities at \$576,862. The company has branches at Rice Lake and Barren, Wis., Hampshire, Ill., and Frankfort, Ind.

## Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

**SAN JOSE, CALIF.**

### American Seed Trade Association.

An attractive programme has been prepared for the twenty-eighth annual convention of the American Seed Trade Association to be held at the Strand hotel on the beach at the foot of Pennsylvania avenue, Atlantic City, N. J., June 21-23. The programme includes the following: "Recent Science in Plant and Animal Breeding," "Methods and Apparatus for Seed Testing by Seed Merchants," "State Legislation—Present and Future," "The Advancement and Protection of the Interests of the Seed Trade" and "Past, Present and Prospective of the Seed Trade of America."

All members and their families are cordially invited to spend Friday, June 24, at Fordhook farms. Special trains will stop at the entrance and luncheon will be served at 1 o'clock. W. Atlee Burpee and Howard M. Earl will be back from California in time to welcome their guests.

Notice is given of an amendment to the by-laws raising the dues to \$20.

#### HOTEL RATES.

Single room, without bath, for 1. \$3.50  
Double room, without bath, for 2. 7.00  
Single room, with bath, for 1. 5.00  
Double room, with bath, for 2. 9.00  
Including all meals.

Secretary Kendel has received a communication from the hotel management in which appears the following: "These rates will be given to your association regardless of locations. In other words, rooms facing Pennsylvania avenue and Ocean front will be the same price as land side rooms, and persons engaging accommodations in advance will have the preference."

### Pieters-Wheeler Seed Co., Hollister, Calif.

The Pieters-Wheeler Seed Co. has a ranch of 320 acres and other smaller tracts of land making in all 500 acres devoted to the production of high grade seeds. The original company was formed by President A. J. Pieters in 1906 as the A. J. Pieters Seed Co., L. W. Wheeler joining in February of this year and becoming secretary of the company. Both are experienced seedsmen and horticulturists. Roguing is very carefully done here, either by Mr. Wheeler or Mr. Pieters personally with the necessary help. About 50 men are at present employed, all knowing their work well so that everything runs smoothly and in a well regulated system.

## Pieters-Wheeler Seed Company

HOLLISTER, CAL.

Growers of High Grade Seeds

Onion, Lettuce, Radish, Sweet Peas, Etc.  
CORRESPONDENCE SOLICITED.

Onion seed raising is a specialty here and great care is taken to keep the stocks absolutely true to name. Several hundred acres are devoted to the culture of sweet peas, lettuce and radish. Large quantities of the former, especially the newer varieties, are shipped to Europe, as well as to New York, New England and the eastern states generally. Salsify, parsley and other vegetable seeds are also grown besides many specialties in flower seeds. The trial grounds are extensive and very carefully managed and altogether it is a fine example of what an up-to-date seed growing establishment should be.

### April and May Seed Business.

The J. Steckler Seed Co., New Orleans, La., writes: "While we had a very dry spring, which affected business generally, we did more business in April and May, up to now, than we have ever done before in these two months, and we figure that if we had had a little more rain that our business would have been far in excess of previous years."

Wm. Elliott & Sons, New York, write: "So far the season has been very satisfactory; in fact, it is better than last year, although we cannot tell until we balance our books the amount of money we have made. The auction business has been running away ahead of last year; in fact, it has almost doubled itself and will certainly turn out a banner year."

John Lewis Childs, Floral Park, N. Y., says April and May business has been quite as good as usual with the possible exception of last year when he had a phenomenally large business in these months. The business for April and May is ahead of that in 1907 and 1908, however, and seems to be in a satisfactory condition all along the line.

Northrup, King & Co., Minneapolis, write: "Our April trade was satisfactory until about the latter part of the month when we had heavy snowstorms which had a depressing effect on business. We have had a drought in the northwest until a week ago, when we had plentiful rains. Since then the retail trade has been satisfactory."

Wood, Stubbs & Co., Louisville, Ky., write: "Our business in the retail garden seed department this year has been far above expectations, and considerably ahead of last season. We have had a very nice business and the demand seems to hold up exceptionally well, especially for small items."

James Vick's Sons, Rochester, N. Y., write: "The season of 1910 was exceptionally good, the orders averaging larger than usual. The open weather in March made an unusual rush of orders, bothering us some to get them out on time. April really was not quite up to last year, still the average business of 1910 will be far ahead of a year ago."

Henry F. Michell Co., Philadelphia, writes: "We have had an unusually busy season. There seems to be a general scarcity of almost everything in the vegetable seed line. Orders are still coming in quite heavily, and we have this year more hands engaged at this season than in other years."

**C. C. MORSE & CO.**  
WHOLESALE SEED GROWERS  
SAN FRANCISCO CALIFORNIA





High-class Seeds, Bulbs, Plants, Shrubs and Nursery Stock.

**"BUDS"**

CARL R. GLOECKNER, President.  
76 Barclay St., NEW YORK CITY

COLD STORAGE LILY OF THE VALLEY PIPS

\$12.50 per 1000 in cases of 2000 only.  
Finest German, not Dutch grown. Ready now.

For Fall Delivery 1910

Our own imports from Japan.

|                                          |          |
|------------------------------------------|----------|
|                                          | Per 1000 |
| Lilium Longiflorum Multiflorum, 7-9..... | \$50 00  |
| " " Giganteum, 7-9.....                  | 65 00    |
| " " Formosum, 7-9.....                   | 65 00    |
| F. O. B. New York.                       |          |

**Telegraph Code**  
**Am. Seed Trade Association**  
—\$2.00—

In either stiff or flexible cover. Address orders  
AMERICAN FLORIST CO., CHICAGO.

—FOR—  
**SEEDS**

OF ALL KINDS APPLY TO  
**W. W. JOHNSON & SON, Limited,**  
Boston, England.

Mention the American Florist when writing

**BURPEE'S  
SEEDS  
PHILADELPHIA**

Wholesale Price List for Florists  
and Market Gardeners.

Mention the American Florist when writing

**The Everett B. Clark Seed Co.**  
**Growers for the Trade**

Beans, Peas, Sweet Corn, Onion, Turnip,  
Radish, Beet, Etc.

Branches: Michigan **MILFORD, CONN.**  
and Wisconsin.

Mention the American Florist when writing

**Waldo Rohnert**

GILROY, CAL.

**Wholesale Seed Grower**

Specialties: Lettuce, Onion, Sweet Peas, Aster,  
Cosmos, Mignonette, Verbena, in variety.  
Correspondence solicited.

Mention the American Florist when writing

**S. M. Isbell & Co.,**

Jackson, Mich.

**CONTRACT SEED GROWERS,**

Bean, Cucumber, Tomato, Pea, Muskmelon,  
Squash, Watermelon, Radish, Sweet Corn.  
Correspondence solicited.

Mention the American Florist when writing

**John Bodger & Sons Co.**

Gardena, Calif.

Wholesale growers of Sweet Peas,  
Tomatoes, Lima Beans, Lettuce, Asters,  
Cosmos and other Flower Seeds.

Mention the American Florist when writing

—TO THE TRADE—

**HENRY METTE, Quedlinburg, Germany.**

GROWER and EXPORTER on the VERY LARGEST SCALE of all  
CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

**Specialties:** Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions,  
Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias,  
Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes,  
Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

**HENRY METTE'S TRIUMPH OF THE GIANT PANSIES,** (mixed), the most perfect and most  
beautiful in the world, \$5.00 per oz., \$1.50 per ¼-oz., 75c per 1-16 oz. postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and  
are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

**W.J. Eldering & Son**

WHOLESALE BULB GROWERS,

**Overveen, Haarlem, Holland.**

**Headquarters for High Grade Hyacinths, Tulips, Narcissi.**

**Quality With Fair Prices.**

We ship first quality Holland Bulbs to the American Trade. That is the sole basis of  
the continuous and ever increasing patronage of the most critical, high-class American  
buyers, covering many years.

Our Mr. G. C. Eldering is now at the Hotel Seville, Madison Ave. and  
29th St., New York, prepared to book orders for the best stocks at most  
reasonable figures, to the trade only.



## Market Gardeners

### Greenhouse Vegetable Growers and Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President;  
Franklin DeKleine, Grand Rapids, Mich.,  
Vice-President; S. W. Severance, 508 Illi-  
nois Life Building, Louisville, Ky., Secre-  
tary; M. L. Ruetenik, Cleveland, O., Treas.

NEW YORK.—The first California melons arrived here May 23 and sell at \$7 per case.

CHICAGO.—The first carload of cantaloupes arrived in the city this week, consigned to H. Woods & Co. Watermelons and California apricots have also arrived.

### Field Culture of Mushrooms.

Where the conditions are favorable to the culture of mushrooms in pastures, this phase of gardening is attended with much pleasure, little labor and a fair chance of considerable profit. Everything turns on the conditions and quality of the land being conducive to success. This secured, the rest is highly satisfactory. The first and prime necessity to secure is some old pasture land with a good depth of soil, say, 1½ feet to two feet, not too heavy or too light, and free from the shade of too many trees. Mushrooms will not grow on poor pastures resting on shallow light soils. It is useless to attempt their growth on such land. Presuming the land to be suitable, I would advise the beginner in the work to embark on it cautiously at first, in order to gain confidence by experience on a limited and inexpensive scale. By taking this course much disappointment is saved as well as valuable knowledge acquired, which may afterwards be turned to profitable account on a larger scale. I then propose to treat of a square pole of land only (30¼ square yards). This is an easily understood quantity, and may, if desired, be duplicated as many times as the planter may desire.

The best time to plant the spawn is towards the end of April, by which time the land will be gradually getting warmer, and the subsequent warm months of May, June, and July will afford the best conditions possible for the spawn to run and permeate the surrounding soil for some considerable distance, resulting, if all has gone on well, at the end of August and through September in an abundant crop of mushrooms. A square hole 12 inches wide and as many inches deep should be dug out in every square yard, making 30 holes to the pole. In taking the turf off these holes, care should be taken to do the work neatly, as they will again be wanted to cover the holes after the spawn has been planted. (It should be cut two inches thick only.) The mushroom consists very largely of nitrogen, and the material for its growth should have this agent well represented in its composition. For this purpose nothing is so good as horse manure, and especially that from corn-fed horses. Therefore sufficient of this should be collected in

fresh condition to fill up the holes to within 2½ inches of the surface. The manure should be collected every morning and placed thinly on the floor of an open shed or some other place where it can be protected from rain, but otherwise exposed to the weather.

It should be turned over every three or four days until there is a body large enough of it (say a cart load, more or less, depending on the extent of the land to be laid down), and this should be collected within the space of 10 days or a fortnight, or it becomes stale, and its value depreciated. In collecting the manure the short litter which always accompanies it should be included to the extent of a quarter of its bulk, but not any of the longer straw. The manure should now be thrown together into a heap, and allowed to remain so for four or five days, until it becomes well heated, opening it well out at the end of this time for the rankest of the steam to escape, putting it together in the same way in the course of three or four hours afterwards for it to heat in like manner again, to be again opened out at the end of four or more days. By this time sufficient rank heat will have escaped; that which is left will be comparatively sweet, and will be required in the manure when placed in the holes to stimulate the spawn into activity. The manure when placed in the holes should be moderately dry, well pressed in by ramming, and the holes filled to within 2½ inches of the surface.

Much depends on the quality of the spawn, and no trouble should be spared in procuring the best. It should not be more than 12 months old, and the brick of spawn should be full of dormant, healthy mycelium; that is to say, the thread-like particles running through the brick of hair-like proportions, and not swelled out in size, or appearing of a whitish color. This will be an indication that the spawn has been by some means excited into premature growth, which materially discounts its value. But usually manufacturers and dealers in spawn, for their own credit's sake, are careful to only deal in the best. It is usually sold by the bushel, this consisting of so many bricks, and the price varies according to the quantity purchased. The spawn should be inserted in the manure as soon as it is placed in the holes. A brick spawn should be divided into six parts, one piece to be placed in the center of the manure in each hole. It should be placed in sideways, not flat, and fixed perfectly tight and deep enough to be half an inch below the surface of the manure. When the spawn is fixed, half an inch of soil should be placed over the manure and well pressed down, afterwards placing the turf over the holes and ramming it. A dressing of soil a quarter of an inch in thickness should be placed over these turves, in order to prevent the sun drying it up and to help to make it grow faster. The slight heat from the manure and the gradually increasing power of the sun will give the requisite warmth to cause the spawn to spread out into the soil in many directions, and the warm showers and rather cooler temperature of late

## Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE \$1.10

AMERICAN FLORIST CO.,  
324 Dearborn St., Chicago.

## Now Ready...

To ship a very large stock of **Early Cabbage** and **Tomatoes** of the best leading varieties at \$1.25 per 1000; honest count. **Sweet Potato Plants** ready May 7 at \$1.50 per 1000. **Celery** ready May 15, three varieties.

S. J. McMICHAEL,  
142 Larkins St., P. O. Box 473, FINDLAY, O.



Watch for our Trade Mark stamped on every brick of Lambert's

### Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

summer will furnish the best conditions for the production of good and continuous crops.

The after management consists of a liberal dressing of stable manure to the land each winter and of agricultural salt each spring, at the rate of half a ton to the acre. As long as the conditions are favorable, spawn will go on reproducing itself in the same land for an indefinite period. Hot summers, with copious showers at the end of July and August, are the most favorable seasons for this crop. Wet and cold summers are the reverse.—The Garden.

### Prices of Indoor Fruits and Vegetables.

New York, May 21.—Mushrooms, 40 cents per pound; cucumbers, 75 cents to \$1 per dozen; lettuce, cold frame, 62½ cents per dozen heads; tomatoes, 17½ cents per pound; grapes, Hambros, \$1.15 per pound; Gros Colman, \$1.50 per pound; Muscats, \$2.50 per pound; peaches, French grown, \$10 per dozen.

Chicago, May 25.—Mushrooms, 40 cents to 50 cents per pound; cucumbers, \$1 to \$1.25 per dozen; leaf lettuce, 22-25 cents per box; head lettuce, Louisiana, \$1.-\$1.25 per hamper; 6½ barrel (sugar barrel size); radishes 25-30 cents per dozen.

### A Commercially Managed Botanical Garden

The statement that "the Frankfort palm and botanical garden is one of the most celebrated in the world" is made in a published description forwarded by Consul-General Richard Guenther. Furthermore, "contrary to most gardens of this kind it is managed upon a strictly commercial basis by a stock company, which explains the presence of devices for pleasure and sport."

ST. PAUL, MINN.—Holm & Olson took out permits, May 17, to build eight new greenhouses at Duke and Pleasant streets. Five houses will be 22x98 feet, two 17x97 feet, and one 9x124 feet. Work is to be commenced at once.



Vaughan's

Lilium Harrisii.

1911

Both Plants and Bulbs  
Carefully Selected.

While we do not claim that our Harrisii are absolutely free from disease, or that every bulb will produce a perfect plant, we do claim that our growers' efforts in the way of spraying and roguing are producing results, our stock now being freer from disease than ever before and of genuine Harrisii type. In fact, the best general crop grown on the island of Bermuda.

Vaughan's Seed Store

CHICAGO. NEW YORK.

**Market Needed at Providence.**

Providence is 20 years behind in some branches of the florist business, particularly in the marketing of cut flowers and plants. The marketing of such stock is done in the old way of keeping a man and team on the go two-thirds of the day and all day if there is stock enough to dispose of. There has never been a wholesale flower store or market and one is much needed as there is between \$5,000 and \$10,000 worth of cut flowers to be disposed of each month and \$10,000 worth of bedding stock to be sold every spring. These are the conditions in the county of Providence alone, and \$5,000 worth of bedding plants are sold every spring at a loss of 30 to 40 per cent to the growers which they pay to the peddler for selling this stock. These may seem large figures for the peddler, but an experienced peddler with a horse and wagon will not do it for any less than 30 per cent. And when plants and pots that are rendered useless by being carted around are added to this it will bring the figures up to 10 per cent more. Without a market as the conditions are now, it is a great deal more convenient to telephone to Boston and get flowers by express than to send a man around the city looking for what is needed. If we had a market here near the center of the city convenient to the retailers there is no doubt we could carry the same stock here as they do in Boston, as some of the best growers in New England are located in Rhode Island.

J. BRINTON.

SURPLUS

ROSES

LOW PRICES,  
To Clean-up Quick!  
Fine, Thrifty Stock.  
All in 2½-inch pots.

|                                                                | Per 100 | Per 1000 |                                        | Per 100 | Per 1000 |
|----------------------------------------------------------------|---------|----------|----------------------------------------|---------|----------|
| 600 Anny Muller.....                                           | \$3 50  | \$30 00  | 500 Gen. Washington.....               | \$3 50  | \$30 00  |
| 600 Anne de Diesbach.....                                      | 3 00    | 27 50    | 10,000 Hiawatha.....                   | 3 00    | 27 50    |
| 7,000 Alberic Barbier.....                                     | 3 00    | 25 00    | 600 Leone Lamesch.....                 | 4 00    | 35 00    |
| 600 Caprice.....                                               | 3 90    | 27 50    | 400 Magna Charta.....                  | 3 50    | 30 00    |
| 300 Coquette des Blanches.....                                 | 3 50    | 30 00    | 200 Mrs. John Laing.....               | 3 50    | 30 00    |
| 600 Clio.....                                                  | 3 50    | 30 00    | 200 Mme. Georges Bruant.....           | 4 00    | 35 00    |
| 201 Clothilde Souper.....                                      | 3 00    | 25 00    | 500 Oakmont.....                       | 3 50    | 30 00    |
| 2,000 Flower of Fairfield (Ever-blooming Crimson Rambler)..... | 10 00   | 100 00   | 500 Princess Adelaide (Moss).....      | 4 00    | 35 00    |
| 300 Francois Levet.....                                        | 3 00    | 27 50    | 8,000 Philadelphia Rambler.....        | 3 00    | 25 00    |
| 300 Gen. Jacqueminot.....                                      | 3 50    | 30 00    | 300 Queen of the Prairies.....         | 3 00    | 25 00    |
| 2,000 Goldfinch (Improved Yellow Rambler).....                 | 3 50    | 30 00    | 300 Safrano.....                       | 3 00    | 25 00    |
|                                                                |         |          | 8,000 Veilchenblau (Blue Rambler)..... | 10 00   | 100 00   |
|                                                                |         |          | 7,000 White Dorothy Perkins.....       | 8 00    | 75 00    |
|                                                                |         |          | 200 Wichuraiana (type).....            | 3 00    | 25 00    |

Odds and Ends

|                                    | Per 100 | Per 1000 |                                  | Per 100 | Per 1000 |
|------------------------------------|---------|----------|----------------------------------|---------|----------|
| 1000 Asparagus Plumosus Nanus..... | \$2 50  | \$2 00   | 1000 Hibiscus "Peachblow".....   | \$2 75  | 22 50    |
| 1000 Asparagus Sprengeri.....      | 2 00    | 18 00    | 1000 Jerusalem Cherry.....       | 2 75    | 22 50    |
|                                    |         |          | 1500 Palm Kentia Belmoreana..... | 7 00    | 60 00    |

GUARANTEED FIRST-CLASS STOCK.

Unsold Roses will be planted out in our nurseries. Write quick, or, better, wire. ONE WEEK ONLY.

JACKSON & PERKINS COMPANY

Florists and Nurserymen, Wholesale Only, NEWARK, NEW YORK, May 24, 1910

MOBILE, ALA.—F. B. Feasell of New Orleans has purchased the Sinclair place at Ocean Springs where he will build greenhouses.

BINGHAMTON, N. Y.—W. R. Gray & Son have begun excavating for a large greenhouse to be built on Burbank avenue, Lestershire.



## The Nursery Trade

### American Association of Nurserymen.

F. H. Stannard, Ottawa, Kans., President;  
W. F. Stark, Louisiana, Mo., Vice-President;  
John Hall, Rochester, N. Y., Sec'y.  
Thirty-fifth annual convention to be held  
at Denver, Colo., June 8-10, 1910.

HOUSTON, TEX.—The Alvin Japanese Nursery Co. of this place, has been incorporated with a capital stock of \$225,000 by C. L. Bradley, Joe M. Sam and S. Arai.

### Neviusia Alabamensis.

This is a rather rare shrub from Alabama, where it is known by the common name of snow in summer. In the United States it is highly thought of as an ornamental flowering shrub, the blossoms being stated to be white and borne profusely. So far as profuse flowering is concerned, no objection can be raised to it in England, but instead of being white, says the Garden, the flowers are usually tinged with green. It has, however, been found to be a very useful shrub for forcing, for it may be had in flower in February, and the green tint of the blossoms almost disappear under glass. Growing under natural conditions it attains a height of four feet or more, and forms a large bush. The leaves are more or less ovate, but offer no particular attraction. Under normal conditions the flowers appear about the end of May. They are peculiar by reason of their fringed appearance, which is due to very narrow petals. Cuttings taken in summer root readily, and plants grow vigorously in loamy soil. Plants intended for forcing should be kept to a few stems to encourage lightness of habit. When from two to three years of age they are at a useful size, but fully grown specimens taken up from an open border are quite as useful.

### Some Convolvuluses.

The name convolvulus is used amongst gardeners rather to denote flowers of a certain class than as a botanical name, for plants belonging to at least three different genera are included in the term. All are beautiful, and none more so than the small bindweed (*Convolvulus arvensis*) of our cornfields, a thick patch of which emits such a delicious perfume, and *Convolvulus sepium* (*Calystegia sepium*) of our hedges, which produces the largest, or nearly the largest, blossom of any wild flower in this country. The name *calystegia* in Greek denotes a beautiful covering, and well the plant deserves it, and from this point of view it might be applied to the whole class, for there can be few flowers of more perfect shape, says the Gardeners' Magazine. Botanically, the main distinction between the convolvulus and the *calystegia* consists in the two large green bracts which almost enclose the unopened flowers of the latter, but are totally absent from the former.

The great white bindweed is a beautiful adornment to our hedges, but we cannot admit it into the garden for reasons known to everyone. The plant we will first consider is the great single pink flower sometimes called *Calystegia rosea*, and sometimes *C. sepium rosea*. There is scarcely any limit to its growth, either above or be-

# A BLUE ROSE

## The Greatest Rose Novelty of the Century

*It flowered with us this season and was greatly admired.*

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

*Send for description and price.*

**ELLWANGER & BARRY**

Mount Hope Nurseries

ROCHESTER, N. Y.

## ROSES Our Leading Specialty

Also Azaleas, Rhododendrons, Conifers, Fancy Clipped Boxwoods, Forest and Fruit Trees, Hedge Plants, Etc

Ask for Wholesale Price Lists.

**S. A. VOSTERS & SONS,**

**RIEL, HOLLAND.**

## JOHN T. WITHERS, Inc.

Landscap Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture

low ground, though it is very much easier to get rid of than the wild form. I have grown it in the garden for many years, and should be sorry to be without it, the clusters of its large flowers, on an arch, fence, arbor, or what not, being well worth the little trouble of keeping it in bounds. It should not be planted within reach of cultivated ground, but in odd corners or places where it is bounded by walls or gravel paths, so that it cannot spread unduly. Then it is a valuable garden climber, and when it can be said that it is quite hardy, never dies out or needs replanting, flowers from June to September, and is beautiful withal, that surely should be enough to atone for the rampancy of root which has made it so many enemies.

A plant which is generally included in nurserymen's catalogues, while the last-named is omitted as a pestilent weed, is *Calystegia pubescens* (syn. *hederacea*) flore pleno, the double Chinese bindweed. It is useful for covering trellis or rustic work of any sort, growing to the height of six feet or so, and producing a profusion of double pink flowers from June to September, while in general growth and appearance it bears some resemblance to the single pink one above referred to, except that to lovers of the form of the single flower these double flowers are less beautiful. It spreads at the root, but is not likely to become a nuisance, unless amid very favorable surroundings, as it requires a warm soil and situation to do really well, being rather weedy in appearance in a cold wet soil. Well grown it is not without beauty, which is enhanced, however, when it is a little distance from the observer.

Leaving these perennial forms, there are two annual ones which most have grown at some time or other. One is the morning glory, known as *Convolvulus major*, or *Ipomoea purpurea*. It will grow in any ordinary garden soil if not too dry, and in any aspect, but it pays for pretty good conditions, as it is never rampant, rarely exceeding six feet in height. It is best grown

## A GOOD INVESTMENT

Evansville, Ind., Feb. 18, 1910.

AMERICAN FLORIST Co.

Chicago.

DEAR SIRS:—I am using your Trade Directory and out of 4000 nurserymen we circularized only two circulars came back. I am enclosing these names as you may want to make the changes.

A. J. LOCKYEAR.

New Edition Now Ready—Price \$3.00.

## Phoenix Nursery Company

Nurserymen and Florists

BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for spring issued Feb. 1st.

## THE Storrs & Harrison Co.

PAINESVILLE NURSERIES.

CATALOGUES AND PRICE LISTS

FREE ON APPLICATION.....

**PAINESVILLE, OHIO.**

## Jacs Smits & Co.,

NAARDEN,  
(Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Price List Free on Demand.

where the sun does not reach it much before midday, for if it gets the early morning sun its flowers may be beginning to fade by breakfast time. It is a tender plant, coming from tropical America, and, though in light soils and warm situations it may be sown in the open late in April or early in May, it is, as a rule, best sown in 2-inch pots, a half-dozen in a pot, and





# Bobbink & Atkins

World's Choicest Nursery and  
Greenhouse Products

## Bay Trees, Boxwood,

Evergreens and Conifers,  
Rhododendrons and Herbaceous  
Plants, Kentias and Phoenix.

We have a large quantity of all this stock. We  
shall be glad to give special prices on any  
quantity \* \* \* \* \*

Nurserymen  
and Florists

Rutherford, N. J.



## Arbor Vitæ

(Thuja Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to  
5 ft. trees.  
Write for descriptions and prices.

The Wm. H. Moon Co.,  
MORRISVILLE, PA.

Mention the American Florist when writing

## DAHLIAS

Jack Rose and other best Cut Flower  
varieties. Write for list and prices.

### PEACOCK DAHLIA FARMS

Williamstown Junction, N. J.

## LARGE TREES

OAKS and MAPLES  
Pines and Hemlocks

### ANDORRA NURSERIES.

Wm. Warner Harper, Prop.  
Chestnut Hill, PHILA., PA.

turned out whole, when all danger of  
frost is over. It may be used for a  
variety of purposes—running over  
perennials like delphiniums, tall tha-  
lietrum, and other subjects which  
flower early in the summer, small-  
leaved shrubs, or tall sticks, in the  
flower borders, or elsewhere. There  
is an ivy-leaved form of it known as  
C. hederacea.

The last to be mentioned here—  
though there are many more—is Con-  
volvulus tricolor, more often known as  
C. minor, a showy annual for beds and

## Boddington's Quality Gladioli

Gladioli planted the end of May and in early June will  
flower after the regular crop and before the early planted  
stock; so if you are wise try some of the following NOW:  
Remember you may deduct 5% if cash accompanies order.

|                                                                                                                                                                                                                                                                                                                 | Per 100 | 1000 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------|
| America. This beautiful new Gladiolus has produced as great a sensation<br>as the now famous Princeps. The flowers which are of immense size,<br>are of the most beautiful flesh pink color, and, as a florist who saw it<br>said, it is "fine enough for a bride's bouquet." ..... 40c per doz. \$3 25 \$30 00 |         |      |
| Boddington's White and Light. Extra selected bulbs, 1 3/4 inches and up. 1 25 10 00                                                                                                                                                                                                                             |         |      |
| 1900. Nothing finer for florists' use. Flower is of a rich shade of red with<br>very prominent white spots on three lower petals. .... 1 75 16 50                                                                                                                                                               |         |      |
| Mrs. Francis King. Color of flower is a light scarlet of a pleasing shade. 3 50 34 00                                                                                                                                                                                                                           |         |      |
| Groff's Hybrids (originator's strain). Extra selected. .... 1 25 10 00                                                                                                                                                                                                                                          |         |      |
| Snakespeare. White and rose. .... 4 75 45 00                                                                                                                                                                                                                                                                    |         |      |
| May. Pure white flaked rosy crimson, the best forcer, selected bulbs. 1 75 16 00                                                                                                                                                                                                                                |         |      |
| Brenchleyensis (true). Fiery scarlet. First size bulbs. .... 1 00 9 00                                                                                                                                                                                                                                          |         |      |
| Lemoine's Hybrids. .... 1 50 12 00                                                                                                                                                                                                                                                                              |         |      |

## ARTHUR T. BODDINGTON,

Seedsman, 342 W. 14th St., NEW YORK

## ROSES

A SPECIALTY.

The Dingee & Conard Co.,

WEST GROVE, PA.

Eugene Pitou, Jr. CIVIL ENGINEER and  
Landscape Architect

Phone Barclay 6084—229 Broadway, New York  
Designs, Estimates, Construction of Grounds.

borders, growing a foot or more in  
height. It needs fairly good cultiva-  
tion, and full sunshine, if it is to do  
really well, when it lasts in flower for  
a long time, the color being some-  
what similar to those of C. major.  
It is, however, one of these annuals  
which are sometimes ruined for the  
season by a July thunderstorm, and  
unless its growth is pretty sturdy is  
apt to go down in an ordinary rain  
when in flower. Still, it makes a very  
gorgeous patch of color.





ASPARAGUS SPRENGERI.

# Asparagus

## ASPARAGUS PLUMOSUS NANUS

We handle this Asparagus both in seed and plants of all sizes, in very large quantities and make very close prices on larger amounts on application. Our seed is pure, fresh, of best germinating quality and vitality.

### Northern Greenhouse Grown Seed.

Per 100 seeds, 60c; 250 seeds, \$1.25; 1000 seeds, \$4.00; 5000 seeds at \$3.50 per thousand.

**SPRENGERI** 100 seeds, 15c; 250 seeds, 25c; 1000 seeds, 75c; 5000 seeds \$3.25.

**Starting Asparagus Plumosus Nanus Seed.** This seed may be sown at any time of the year, but April or May is the natural time. Bottom heat is of great advantage. If soaked four days, and given good bottom heat, say 70 degrees, the plants can be sprouted in 25 days and transplanted 25 days later.



SINGLE SPRAY ASPARAGUS PLUMOSUS NANUS.

**Vaughan's Seed Stroe**, 84-86 Randolph St., CHICAGO.  
25 Barclay St., NEW YORK.

## Neph. Whitmani

2 1/4-in ..... 5.00 per 100  
MAGNIFICA (new), 2 1/4-in... 25.00 per 100

**Boston Ferns** 2 1/4 inch,  
\$3.00 per 100.

Henry H. Barrows & Son, Whitman, Mass.

Mention the American Florist when writing

Davenport, Ia.

Business in the cut flower trade has been up to the standard for this time of year, with hardly enough stock to meet the demand. Carnations were poor last week, but are coming in more plentifully again this week. Some extra fine Giganteum lilies are to be seen, and come in handy. The outlook for flowers for Memorial day is poor. Most of the peonies will come in too late and outdoor flowers will be of but little value. This has been the most disagreeable and most discouraging spring ever recorded here. Carnations that have been planted out in the field are a sorry sight. Some look more like straw than plants, so badly have they been nipped.

The regular monthly meeting of the Tri-city Florists' Club was held at the home of Treasurer Wm. Knees of Moline, Ill., May 19, with nearly every member present. "Shrubs and Evergreens for Lawn Decoration" was the topic which brought out many valuable points, occasioned some heated discussions, and proved one of the most interesting topics to date. One new name was brought in for membership. The club accepted Theo. Ewoldt's invitation to meet with him some time in June. Mr. Ewoldt stating, however, that no prizes will be given out this year, as there is to be no strawberry eating contest, owing to the fact that nearly all of the berries have been killed. This is sad news to several of the past year champions. After inspecting the fine establishment of the host a good supper was had and a jolly hour was spent over the cigars.

T. E.

## A ROSE FOR EVERY GREENHOUSE

GRAFTED ROSES, Brides, Bridesmaids, 3 1/2-in. pots, \$15.00 per 100.

### OWN ROOT ROSES

**American Beauty.** **Bride, Bridesmaid,**  
3-inch pots.....\$ 9 00 per 100 3-inch pots.....\$ 7 00 per 100

**J. L. DILLON,**

**Bloomsburg, Pa.**

## BENCH ROSES WANTED

Growers will oblige by sending to the undersigned lists of all the Bench Roses they have to offer, with prices. Advertiser can use Kaiserin Augusta Victoria, American Beauty, Killarney, Richmond, My Maryland, Mrs. Jardine, Sunrise, Perle des Jardins and others, if the plants and prices are right. In quoting, state when the plants will be ready for delivery. Address

Key 989, care American Florist.

### Montreal.

#### TRADE STEADY.

Trade has been steady with supply limited, especially carnations which are higher than before Easter. Outdoor bulb stock sells very well and, owing to the prolonged cold weather, keeps a long time. The late severe frosts have done a lot of damage to hardly perennials which came through the winter unharmed. The warm weather during March brought things along to the point usually reached the first week in June. Dicentra, hollyhocks, peonies and forgetmenots suffered most, while vegetables were damaged badly. Farmers, misled by the warm weather, had planted freely in the open with the result that whole fields of early cabbages, cauliflowers and other truck was killed outright. Shade trees also suffered but the effect will be less noticed; it only amounts to some crippled foliage. The fruit trees were not in bloom and apparently have not been hurt. Bedding plants are not selling yet but everything is ready for the coming rush and rush it will be. The early spring has given plenty of opportunity to lay out new grounds and prepare beds. Tulips, which usually hang on till the second week in June, are almost over. Geraniums are again most in evidence, but there is also a good demand for other plants. Cannas, achyranthes and other stiff things or set beds, are not wanted,

and tastes lean more towards plants like petunias, antirrhinums, salvias, salpiglossis, heliotrope and loose free growing things generally.

#### NOTES.

The retail clerks association has induced the city council to pass a by-law that all retail stores are required to close every Wednesday and Thursday at 7 p. m. This was very objectionable to florists and a test case was made with the Canadian Floral Co. Mr. Hay, manager, on advice of ex-Alderman James McKenna defended the case on the ground that he also sold at wholesale and won, the city being condemned to pay the costs.

T. Gorman, Outremount, has sold the whole of his place to a building company. This is the place where the famous Gorman melons were grown and the passing of this probably means the passing of the famous variety.

The appointment of a superintendent and city gardener has not been made yet. The city council and the board of control are unable to agree on the applicants.

E. Heyward of Cote St. Paul, a beginner, is building two houses 20x80 feet for a general line of plants.

S. S. Bain, besides a fine lot of bedding plants, has a fine house of Richmond roses.

Camille Gratton, St. Laurent, will build a house 20x100 feet for roses.

LUCK.



## Mr. Florist:

Do you grow 'Mums, and do you still grow Ivory for your home trade? If so, how would you like a **Yellow Ivory**? I have it. It's a true sport exactly like its parent in all but color.

I can quote you immediate delivery on 2½-inch pot plants at **\$2.00** per dozen; **\$15.00** per 100; **\$125.00** per 1000.

**CHARLES H. TOTTY,**  
MADISON, N. J.

*Mention the American Florist when writing*

## Vinca Var. R. C. \$8.00 per 1000.

Asters, white, \$3.00 per 1000; **Feverfew**, 2-in., 2c; **Dusty Miller**, 2-in., 1½c; **Alternantheras**, red 2-in., 2c; **Cuphea**, 2-in., \$1.50 per 100; **Stock**, Alice and nice, 2-in., \$1.50 per 100; **Coleus**, 2-in., \$1.50 per 100; **Maurandia**, 2-in., \$1.50 per 100; **Thunbergia**, 2-in., \$1.50 per 100; **Vinca var.** 2-in., \$2.00 per 100; **Ageratum**, Gurney, 2-in., 1½c.

**ROOTED CUTTINGS**, prepaid: **Paris Daisy**, yellow, white, \$1.00 per 100; **Cuphea**, 75c per 100; **Vinca Variegata**, 90c per 100, \$8.00 per 1000, extra fine; **Coleus**, 10 kinds, 60c per 100, \$5.00 per 1000; **Alternanthera**, red, 50c per 100, \$4.50 per 1000; **Ageratum**, 3 kinds, 60c per 100; **Dbf. Petunias**, 10 kinds, \$1.00. **Stevia**, 75c; \$6.00 per 1000.

Cash with order.

**BYER BROS.,** Chambersburg, Pa.

*Mention the American Florist when writing*

## Bench Plants

American Beauty.....1000 \$50 00  
Richmond.....30 00

**GEORGE REINBERG**

51 Wabash Avenue, CHICAGO.

## SPECIALTIES.

Roses, from 3-in pots. **Chrysanthemums**  
Carnations for fall delivery. **Smilax, Violets**  
**IN BEST VARIETIES.**

Prices low. Send for list.

**Wood Brothers,** FISHKILL, New York.

Pittsburg.

At last we are having a spell of sunshine and the stiff market we have had for the last few months is now at an end and retailers can have their selection at almost their own prices. Roses never were better nor more plentiful, pink especially over-abundant. Beauties move out fairly well at low figures. Lilies are plentiful but not much sought for. Fine Spanish iris from the south is plentiful and finds a good market. Local peonies are now here in quantity.

### NOTES.

Joe Ueberle, formerly a local wire-worker and now on the U. S. S. Cumberland, paid his old friends a few days' visit. Joe has just completed a cruise to the Philippines and back. One of Marshall Anderson's errand

# "He's Coming Back"

## WHO'S COMING BACK?

The man who bought those dormant Canna Roots by the carload.

Yes, he's coming back for

# Vaughan's Canna Plants

AT WESTERN SPRINGS

True to Name and Right

Not "Near Right."

Many people can tell true Canna stock by careful examination of the flowers when they bloom.

For Canna Plants write

**VAUGHAN'S SEED STORE,**  
P. O. Drawer V, Chicago

# Maids and Brides

One Year Old Grafted Bench Plants

Fine plants for out-door planting or replanting in the benches, cut back to about 18-inches; per 100, \$5.00.

**Carnation O. P. Bassett**

From soil. R. C., \$6.00 per 100.

**Bassett & Washburn,** Office and Store,  
76 Wabash Ave., CHICAGO  
Greenhouses, Hinsdale, Ill.

# Geraniums

Mme. Salleri, 3-in.....\$4.00 per 100

**Grand Rapids Greenhouse Co.,**

**Grand Rapids, Mich.**

boys was hit with an automobile recently and badly injured.

S. J. Hatch, De Haven, is cutting Cattleya Mossiae which would be a credit to any specialist.

Fritz Ueberle has opened a new store a few doors above his old location.

F. H. Westhoff, DeHaven, is building two big new houses.

J. J. Fuch has closed his Bloomfield store. J.

ROCHESTER, N. H.—C. W. Bradley will build a greenhouse on his First street property.



## A New Fern NEPHROLEPIS GIATRASI

Awarded a Certificate of  
Merit by the Horticultural  
Society of New York.

Prices: In 2½-inch pots, \$3.50 per dozen; \$25.00 per 100; \$200.00 per 1000. 25 plants at 100 rates; 500 plants at 1000 rates. Orders delivered in rotation as received. Now Ready for delivery,

**GEORGE GIATRAS,**  
463 Summit Ave., West Hoboken, N. J.

## Geraniums

Rooted Cuttings, Ricard, Poitevine and S. A. Nutt, at \$10.00 per 1000. Delivery made any time wanted. Let me book your order, or send for sample and see the class of stock I send out.

### HARDY PHLOX

Rooted cuttings, free by mail, at \$1.25 per 100. Mixed varieties, all of them good ones.

### Smilax and Sprenger

Good stock. Let me send you a sample.

Smilax ..... \$12.50 per 1000  
Sprenger ..... 15.00 per 1000

**ALBERT M. HERR,** Lancaster, Pa.

## Geraniums

4-inch plants, S. A. Nutt, in bud and in bloom, \$7.00 per 100.

**C. E. RUCH,** Richmond, Ind.

New Orleans.

Copious rains have fallen the past week and broken the long drought which had caused lots of damage to all outdoor plants. Newly planted asters and chrysanthemums have been much benefited thereby. Gladioli have been in bloom for the past two weeks and find a pretty good market. Sweet peas, except where they have been well irrigated, are short in the stem and past their prime. Store trade has been very poor but quite a few good-sized wedding orders are booked for next month. Society leaders are flocking to their summer homes on the coast and quite a few large plants are being shipped to decorate the grounds and piazzas.

There was quite a good attendance of members at the regular monthly meeting of the Horticultural Society held May 17. But little enthusiasm was displayed and nothing of importance transpired. The fixing of a date and place to hold the annual meeting was again left over to next meeting. This has been a source of argument for three months now and bids fair to rival the historic trials of "Arma virumque cano Trojae qui primus ab oris" in founding a Roman city, so eloquently related by our ancient friend, Virgil. Next meeting is sure to be a bumper, as the society will then be the guests of Mrs. Theard at the Dixie brewery.

Hermann Doescher has taken in Morris Jones as a partner and will extend the nursery business. Both young men are well known to the trade and will undoubtedly make a success in their venture.

J. A. Newsham left, May 16, for Boston to attend the orchid show.

## CHRYSANTHEMUMS

Extra Fine Stock of the Following Varieties:

| WHITE.                | R. C. per |       | 2½-in. per |       | PINK.                        | R. C. per |         | 2½-in. per |         |
|-----------------------|-----------|-------|------------|-------|------------------------------|-----------|---------|------------|---------|
|                       | 100       | 1000  | 100        | 1000  |                              | 100       | 1000    | 100        | 1000    |
| Robinson.....         | 2.50      | 20.00 | 3.00       | 25.00 | Rosiere.....                 | \$2.50    | \$20.00 | \$3.00     | \$25.00 |
| Clementine Touse..... | 2.50      | 20.00 | 3.00       | 25.00 | McNiece.....                 | 2.50      | 20.00   | 3.00       | 25.00   |
| Alice Byron.....      | 2.50      | 20.00 | 3.00       | 25.00 | Maud Dean.....               | 2.50      | 20.00   | 3.00       | 25.00   |
| Timothy Eaton.....    | 2.50      | 20.00 | 3.00       | 25.00 | Dr. Enguehard.....           | 2.50      | 20.00   | 3.00       | 25.00   |
| White Bonaffon.....   | 2.50      | 20.00 | 3.00       | 25.00 |                              |           |         |            |         |
| W. H. Chadwick.....   | 3.00      | 27.00 | 4.00       | 35.00 |                              |           |         |            |         |
| YELLOW.               |           |       |            |       | POMPONS.                     |           |         |            |         |
|                       |           |       |            |       | YELLOW.                      |           |         |            |         |
|                       |           |       |            |       | R. C. per 100                |           |         |            |         |
| Golden Glow.....      | 3.00      |       | 4.00       |       | Baby, Klondyke, Zenobia..... |           |         |            | \$2.50  |
| Halliday.....         | 2.50      | 20.00 | 3.00       | 25.00 | WHITE.                       |           |         |            |         |
| Col. Appleton.....    | 2.50      | 20.00 | 3.00       | 25.00 | Lulu, Diana.....             |           |         | 2.50       |         |
| Major Bonaffon.....   | 2.50      | 20.00 | 3.00       | 25.00 | Baby Margaret.....           |           |         | 4.00       |         |
| Yellow Eaton.....     | 2.50      | 20.00 | 3.00       | 25.00 | Briola, pink.....            |           |         | 2.50       |         |
| Chautauqua Gold.....  | 2.50      | 20.00 | 3.00       | 25.00 | Mrs. Beu, bronze.....        |           |         | 2.50       |         |
| RED.                  |           |       |            |       | Quinola.....                 |           |         | 3.00       |         |
| Schrimpton.....       | 3.00      | 20.00 | 3.00       | 25.00 |                              |           |         |            |         |
| Intensity.....        | 2.50      | 20.00 | 3.00       | 25.00 |                              |           |         |            |         |

### White Killarney, My Maryland, Pink Killarney.

2½-in. plants. Booking orders now for future deliveries. The Right Place—The Right Goods—The Right Price—Come and See Them Grow.

|                      |  | 2½-inch. |         | 2½-inch.                                         |            |
|----------------------|--|----------|---------|--------------------------------------------------|------------|
|                      |  | 100      | 1000    | 100                                              | 1000       |
| White Killarney..... |  | \$3.50   | \$75.00 | Richmond.....                                    | 5.00 40.00 |
| Pink Killarney.....  |  | 6.00     | 55.00   | American Beauties.....                           | 7.00 65.00 |
| My Maryland.....     |  | 6.00     | 55.00   | You cannot afford to buy poor stock at 50% less. |            |

## Special Offer—Big Bargain

This is the time to plant Oct. Frost and Monrovia.

|                             |                  |                                |                  |
|-----------------------------|------------------|--------------------------------|------------------|
| Monrovia, 2½-in.....        | \$20.00 per 1000 | Roosevelt, 2½-in.....          | \$25.00 per 1000 |
| Oct. Frost, 2½-in.....      | 20.00 per 1000   | Virginia Fochlmann, 2½-in..... | 30.00 per 1000   |
| Merry Christmas, 2½-in..... | 20.00 per 1000   |                                |                  |

## Special in Roses While They Last

|                       |                  |                    |                  |
|-----------------------|------------------|--------------------|------------------|
| Kaiserins, 2½-in..... | \$30.00 per 1000 | Brides, 2½-in..... | \$75.00 per 1000 |
| 3½-in.....            | 50.00 per 1000   | 3½-in.....         | 40.00 per 1000   |
| Benched Beauties..... |                  | \$45.00 per 1000   |                  |

**POEHLMANN BROS. CO.,** Morton Grove, Ill.

## Florists' 'Mums

### EARLY

|                                       | From pots |         | Rooted Cuttings |         |
|---------------------------------------|-----------|---------|-----------------|---------|
|                                       | 100       | 1000    | 100             | 1000    |
| Clementine Touse—White.....           | \$3.00    | \$25.00 | \$2.00          | \$17.50 |
| Gloria (New)—Enchantress pink.....    | 4.00      | 30.00   | 3.00            | 25.00   |
| Indiana (New)—A white Appleton.....   | 6.00      |         | 4.00            |         |
| Ivory—Dwarf white.....                | 3.00      | 25.00   | 2.50            | 20.00   |
| Monrovia—Bright yellow.....           | 3.00      | 25.00   | 2.50            | 20.00   |
| October Frost—Best early white.....   | 3.00      | 25.00   | 2.50            | 20.00   |
| Pacific Supreme—Improved Pacific..... | 3.00      | 25.00   | 2.50            | 20.00   |

### MIDSEASON

|                                              |       |       |      |       |
|----------------------------------------------|-------|-------|------|-------|
| A. J. Balfour—Bright pink.....               | 3.00  | 25.00 | 2.50 | 20.00 |
| Col. D. Appleton—Incurved yellow.....        | 3.00  | 25.00 | 2.00 | 15.00 |
| Crocus—Light yellow.....                     | 3.00  | 25.00 | 2.00 | 15.00 |
| Mrs. W. E. Kelley—Late midseason yellow..... | 4.00  | 30.00 | 3.00 | 25.00 |
| Major Bonaffon—Incurved yellow.....          | 3.00  | 25.00 | 2.00 | 15.00 |
| Pres. Roosevelt—Incurved light pink.....     | 4.00  | 35.00 | 3.00 | 25.00 |
| Pres. Taft (New)—Incurved white.....         | 10.00 |       | 8.00 | 70.00 |
| Tim. Eaton—White.....                        | 3.00  | 25.00 | 2.50 | 20.00 |
| White Cloud—Pure white.....                  | 3.00  | 25.00 | 2.50 | 20.00 |

### LATE

|                                          |      |       |      |       |
|------------------------------------------|------|-------|------|-------|
| Golden Eagle—Incurved bright yellow..... | 4.00 | 30.00 | 3.00 | 25.00 |
| Intensity—Reflexed bright crimson.....   | 4.00 | 30.00 | 3.00 | 25.00 |
| Mlle. Jeanne Nonin—Incurved white.....   | 3.00 | 25.00 | 2.00 | 15.00 |
| Mlle. Jeanne Rosette—Light pink.....     | 3.00 | 25.00 | 2.50 | 20.00 |
| Maud Dean—Bright pink.....               | 3.00 | 25.00 | 2.50 | 20.00 |
| Nagoya—Bright yellow.....                | 4.00 | 30.00 | 3.00 | 25.00 |
| Yanoma—White.....                        | 3.00 | 25.00 | 2.50 | 20.00 |

### Special fine lot of Anemones, Pompons and Singles

Our selection..... From pots. List of varieties on application, or \$3.00 per 100; \$25.00 per 1000

**ELMER D. SMITH & CO.,** Adrian, Mich.

## PALMS, FERNS

AND

### Decorative Plants

**JOHN SCOTT,** Rutland Rd. & E. 45th St.  
BROOKLYN, N. Y.

## Ferns for Dishes...

Assorted varieties, 2½-in. pots, \$3.50 per 100; \$30.00 per 1000. Cash with order.

**FRANK OECHSLIN**  
4911 Quincy St. CHICAGO.



# CHRYSANTHEMUMS

## 2½-inch Plants

### PINK

|                    | Per 100 |
|--------------------|---------|
| Rosiere.....       | \$3.00  |
| Mayor Weaver.....  | 3.00    |
| Dr. Enguehard..... | 3.00    |
| Rosette.....       | 4.00    |
| Pink Ivory.....    | 3.00    |

### WHITE

|                         | Per 100 |
|-------------------------|---------|
| Virginia Poehlmann..... | 3.00    |
| C. Touset.....          | 3.00    |
| October Frost.....      | 3.00    |
| Alice Byron.....        | 3.00    |
| White Chadwick.....     | 4.00    |
| H. W. Buckbee.....      | 3.00    |
| White Ivory.....        | 3.00    |

### YELLOW

|                      | Per 100 |
|----------------------|---------|
| Golden Glow.....     | 4.00    |
| Golden Chadwick..... | 4.00    |
| Yellow Touset.....   | 4.00    |
| Yellow Bonaffon..... | 3.00    |
| Monrovia.....        | 3.00    |

## J. A. Budlong,

37-39 Randolph Street, CHICAGO.

Mention the American Florist when writing

## Chrysanthemum Cuttings

Now booking orders for early delivery.

### WHITE

Per 100 1000

|                  |        |         |
|------------------|--------|---------|
| Oct. Frost.....  | \$2.00 | \$15.00 |
| Kalb.....        | 2.00   | 15.00   |
| Touset.....      | 2.00   | 15.00   |
| A. Byron.....    | 2.00   | 15.00   |
| Wanamaker.....   | 2.00   | 15.00   |
| White Cloud..... | 2.00   | 15.00   |
| T. Eaton.....    | 2.50   | 20.00   |
| Chadwick.....    | 2.50   | 20.00   |
| Nonin.....       | 2.00   | 15.00   |

### PINK

|                |      |       |
|----------------|------|-------|
| Balfour.....   | 2.00 | 15.00 |
| Enguehard..... | 2.00 | 15.00 |

### YELLOW

|                    |      |       |
|--------------------|------|-------|
| Monrovia.....      | 2.00 | 15.00 |
| Oct. Sunshine..... | 2.00 | 15.00 |
| Appleton.....      | 2.00 | 15.00 |
| Y. Eaton.....      | 2.50 | 20.00 |
| Halliday.....      | 2.00 | 15.00 |
| Bonaffon.....      | 2.00 | 15.00 |

J. D. THOMPSON CARNATION CO.,  
JOLIET, ILL.

Mention the American Florist when writing

## Snow-White Sport of

## Helen Frick Chrysanthemum

From 2¼-inch pots \$10.00 per 100.

Rooted cuttings, \$8.00 per 100.

Unrooted cuttings, \$5.00 per 100.

HENRY EICHHOLZ, Waynesboro, Pa.

Mention the American Florist when writing

### The Seed Catalogue.

I love the seedsman's picture book;

It is a treat

With avaricious eyes I look

Upon the beet.

For gardening I have the craze;

I'll send my cash

And buy the seeds from which to raise

Some succotash.

I'd like to plant some pickles, too,

In my back yard.

I think that I could grow a few;

It isn't hard.

I simply yearn to scatter seed;

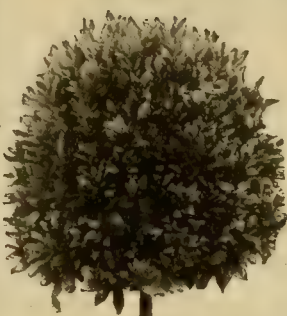
I'm all agog.

It certainly is fun to read

The catalogue.

—Louisville Courier.

# Bay Trees



Standard Bay.

We have just received four carloads of fine shapely trees in the following sizes:

### Standard or Tree Shaped.

| Stem about | Crown.    | Each.   | Stem about | Crown.    | Each.   |
|------------|-----------|---------|------------|-----------|---------|
| 42 46 in.  | 24 in.... | \$ 6.75 | 45-48 in.  | 30 in.... | \$10.00 |
| 45-48 in.  | 26 in.... | 7.50    | 46-54 in.  | 34 in.... | 12.00   |
| 46-50 in.  | 28 in.... | 8.00    | 46-53 in.  | 40 in.... | 15.00   |

### Dwarf Standards.

| Total Height. | Crown.          | Each.  |
|---------------|-----------------|--------|
| 4 to 5 feet.  | 24 to 26 in.... | \$7.50 |

### Pyramid Shaped.

| Height. | Base.           | Each.   |
|---------|-----------------|---------|
| 5 ft.   | 24 to 26 in.... | \$ 8.00 |
| 6 ft.   | 26 to 28 in.... | 10.00   |
| 6½ ft.  | 28 to 30 in.... | 12.00   |

## BOX TREES

If wanted out of tubs we allow 10 per cent discount.

### Pyramid Shaped.

| 2 Height. | Ea.    | Pair   |
|-----------|--------|--------|
| 3 ft..... | \$1.50 | \$2.75 |
| 4 ft..... | 2.50   | 4.50   |
| 5 ft..... | 4.00   | 7.00   |

### Standard or Tree Shaped.

| Crown.          | Each.  | Pair.   |
|-----------------|--------|---------|
| 22 to 25 in.... | \$4.50 | \$ 8.00 |
| 30 to 32 in.... | 5.50   | 10.00   |
| 32 to 34 in.... | 7.00   | 12.00   |

### Bush Shaped.

These do not come in tubs.

| Height.               | Each.  | Doz.   | 100     |
|-----------------------|--------|--------|---------|
| 10 to 12 in....       | \$0.30 | \$3.00 | \$30.00 |
| 12 to 15 in....       | .35    | 3.50   | 25.00   |
| 15 to 18 in., light.. | .40    | 4.00   | 30.00   |
| 15 to 18 in., heavy.. | .45    | 4.50   | 35.00   |
| 24 to 26 in....       | .75    | 8.00   |         |
| 24 in....             | 1.00   | 10.00  |         |

Vaughan's Seed Store  
WESTERN SPRINGS, ILL.

## A. N. PIERSON, Inc.

CROMWELL, CONN.

### Gardenias

2¼-inch pots, \$7.00 per 100; 3-inch pots, \$12.00 per 100; 4-inch pots \$20.00 per 100.

### Dracena Indivisa

4-inch pots, \$1.80 per dozen; \$12.00 per 100; 5-inch pots; strong plants, \$25.00 per 100.

### Cannas

Gladistor, green foliage, yellow flower spotted with red.

Wyoming, bronze foliage, red flower.

Louisiana, green foliage, red flower.

Assorted Cannas, good standard varieties.

The above 4-inch pots, \$1.00 per dozen; \$8.00 per 100.

ASPARAGUS PLUMOSUS SEEDLINGS, \$1.00 per 100; \$10.00 per 1000.

ASPARAGUS SPRENGERI SEEDLINGS, 50c per 100; \$5.00 per 1000.

SMILAX, 2¼-inch pots, \$2.50 per 100; \$20.00 per 1000.

## Miscellaneous Plants

Apple Geraniums, 2-in., \$2.00 per 100, \$18.50 per 1000; 3-in., \$4.00 per 100.

Swainsona Alba, 2-in., \$2.00 per 100, \$18.50 per 1000; 3-in., \$3.00 per 100.

Salvia, Bonfire and Zurich, 2-in., \$2.00 per 100, \$17.50 per 1000.

Dahlia Plants, from 2 in., at \$2.00 per 100 up.

For \$18.50 cash we will send 1000, 50 each of 20 distinct varieties, including Show, Decorative and Cactus.

Madeira Vine Roots, \$1.00 per peck, \$3.00 per bushel.

R. VINCENT Jr., & SONS CO., White Marsh, Md.

Please mention the American Florist when writing

WASHINGTON, N. J.—More than \$100 damage has been done by vandals to the greenhouse of Alonzo Bryan. The police are searching for several suspects.

# Vincas

We have 3000 to 4000 strong 4-inch Vincas, both green and variegated

\$10.00 and \$12.00 per 100.

Cash with order or satisfactory reference.

W. W. COLES,  
Kokomo, Indiana.

Send Advertisements Early for Best Results.



## TRADE LIST

**Clematis**, paniculata, strong plants, \$10.00 per 100; 3-in. pots, \$5.00 per 100.

**Dracena Indivisa**, 4-inch pots, \$10.00 per 100.

**Passiflora** coerulea, 3-in. pots \$5.00 per 100.

**Passiflora**, hardy, 3-in. pots, \$5.00 per 100.

**Echeveria Glauca**, \$4.00 per 100.

Plants from 2½-in. pots, \$3.00 per 100: **Achyranthes**, Parlor Ivy, **Ageratum**, blue; **Coleus**, Verschaffeltii, Queen Victoria, Quadricolor, **Golden Feather**; **Impatiens** Holstii; **Swainsona** alba; **Alternantheras**, 4 varieties; **Hydrangea** Otaska, **Chrysanthemums**, White Cloud, Pacific Supreme, Golden Glow.

Stock from 3-in. pots, \$4.00 per 100. **Geraniums**, Rose; **Lantana**, Le Naine; **Feverfew**, The Gem; Ivy, Hardy English; **Honeysuckle**, Woodbine, 4-in. pots, \$1.50 per doz.

**Asparagus Sprengeri**, 2-in. pots, \$2.00 per 100; 2½-in. pots, \$3.00 per 100.

**Bouvardias**, single and double, white, pink, scarlet, Humboldtii, 2-in. pots, \$3.00 per 100.

Ivy, Hardy English, 4-in. pots, \$1.00 per doz.

**Ampelopsis Veitchii**, 4-in. pots, \$10.00 per 100; 3-in. pots, \$5.00 per 100.

SEEDLINGS from flats, 50c per 100: **Dracena Indivisa**.

**Clematis vitalba**, strong transplanted seedlings, \$1.00 per 100, \$8.00 per 1000. This is one of the fastest growing vines, covered with long sprays of sweet-scented white flowers the whole summer.

**C. EISELE,**

11th and Westmoreland Sts. Philadelphia, Pa.

Baltimore.

Trade continues only fairly active, the lateness of the cold snaps took the heart out of garden makers, and until the past few days, bedding stock was slow. Now, under the influence of warmer airs and freshening showers, there is more animation, and the efforts by societies and newspapers towards encouraging home-beautifying is having a widespread and wholesome effect. The May processions of the Sunday schools has created some demands, as usual, for cut flowers, but they are filled by hardy stock which is abundant and extra early. Preparations are being made for a more general celebration than usual of Memorial day, and the soldiers' cemeteries will be the centers of abundant decorations. Every grave of their thousands will have flags and floral embellishments, and this year there will be no distinguishing between the resting places of those who fought in contending armies. The Grand Army and other similar organizations will strew flowers on the graves of those who were either the blue or the gray, recognizing the valor and patriotism of all, who for the cause they believed to be right fought and died. The day has become, only of late years, one for the general decoration of the resting places of the departed, and with many the custom is an annual one of repairing to the church yards and cemeteries and planting blooming shrubs and vines and laying upon the green turf bright flowers, representing at once sorrowful memories and abiding hope. The idea is a beautiful one, and deserves to be extended in its application.

The freeze of May 14 was disastrous over a wide stretch of territory, wrecking many gardens and truck patches which had been planted to the tenderer varieties, and destroying great quantities of fruit, especially along the fruit belt of the western part of the state. The loss was very great though there is no way, of estimating the damage in money.

## I Am Disposing of the Florham Farms Collection of ORCHIDS

and can quote established plants of **Cattleya Trianae**, **Schroederæ**, **Labiata**, in 5 to 8 in. pots, at \$2.00 per plant.

**Cypripedium Leeanaum**, in pans, from 5 to 8 in., 50c to \$3.00 each.

**CHARLES H. TOTTY,** Madison, N. J.

## A FEW GOOD THINGS YOU WANT.

**Rex Begonia**, 2-in. \$5.00 per 100.

**Asparagus Sprengeri**, 3-in. \$5.00 per

**Geraniums**, Nutt. Perkins. Grant, La Favorite, R. C., \$1.25; 2-in. pots, \$2.00; 3-in., \$4.00 per 100; **Viaud**, **Castellane**, **Poitevine**, **Jaulin**, **Ricard**, **Buchner**, R. C., \$1.50; 2-in. pots, \$2.50; 3-in., \$5.00 per 100.

**Asparagus Plumosus**, 2-in., \$3.00 per 100; 3-in., \$5.00 per 100. Cut fronds 25c per bunch.

**Boston Ferns**, 5-in. 25c each. **Whitman Ferns**, 4-in. 25c each.

**Vinca Var.**, 2-in. \$2.00 per 100.

**Dracena Ind.**, 3-in., \$5.00; 4-in., \$10.00 per 100.

**Coleus** and **Alternanthera**, red and yellow; **Verbenas**, **Heliotrope**, **Cigar Plant**, **Scarlet Sage**, **Zurich**, always in bloom, 2-in., \$2.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order.

**GEO. M. EMMANS,** Newton, N. J.

Mention the American Florist when writing.

## Orchids..

We have changed our domicile from Secaucus, N. J., to Mamaroneck, N. Y. We are largest collectors and importers of Orchids and are now booking orders for all the commercial Cattleyas for delivery next spring.

**GARRILLO & BALDWIN,** Mamaroneck, N. Y.

Mention the American Florist when writing.

Gardens will be replanted, and plants being scarce in some localities will make crops later. We are having fine rains, and it is "a growing season" all around. The markets begin to show the beauty and variety for which this city is famous, the semi-tropical fruit of the West Indies cheek by jowl with the handsomely shaped and beautifully colored apples of the northwest coast, and home-grown strawberries, cherries and vegetables.

Not much progress was made last week in the park inquiry. Witnesses who were called were not forthcoming, and so far as the newspaper reports indicate, the testimony of those who were on hand did not seem particularly germane to the subject in hand, the testimony taking a wide latitude. Another meeting will be held this week. S. B.

SEDALLA, Mo.—Joseph Gelven, senior member of the firm of Jos. Gelven & Son, will retire from business and the junior member, Chas. H. Gelven, has moved to Cape Girardeau where he has bought a tract of ground near the center of the city and will build at once four greenhouses each 14x75 feet and a brick service building 16x75 feet including boiler and packing rooms and offices. Mr. Gelven will install two boilers at once and he expects to build five more greenhouses 14x75 feet each next fall or spring. Garland gutters and cast iron posts will be used in the greenhouses.

## Orchids

Arrived This Week

### CATTELYAS

**Trianae**, **Labiata**, **Schroederæ**, **Mossiae**, **Gaskelliana**, **Mendelii**.

### DENDROBIUMS

**Cambridgeanum**, **Chrysotoxum**, **Crassinode**, **Jamesianum**, **Devonianum**.

**Renanthera** **Imschootiana**

**Vanda** **Cœrulea**

**Lælia anceps**, **Lælia albidia**, **Oncidium Cavendishianum**, **Oncidium ornithynchum**.

**G. L. FREEMAN CO.**

FALL RIVER, MASS.

Mention the American Florist when writing.

## Orchids

Arrived: **Cattleya Trianae**, **C. Gaskelliana**, **Oncidium varicosum**, **O. crispum**, **O. Forbesii**, **O. Harrisonianum**, **Miltonia cuneata**, **Odontoglossum grande**, **Lælia purpurata**, **grandis tenebrosa** and **flava**.

**Lager & Hurrell** Summit, N. J.

## ORCHIDS...

Largest Importers, Exporters, Growers, and Hybridists in the World.

**SANDER,** St. Albans, Eng.

NEW YORK OFFICE:  
Room 1, 235 Broadway.

T. MELLSTROM,  
Agent.

|                                                     |                                                             |         |
|-----------------------------------------------------|-------------------------------------------------------------|---------|
| <b>Rooted Cannas</b>                                | <b>Allemania</b> , Pennsylvania, Kate Gray, \$2.50 per 100. | Per 100 |
| <b>Vinca Var.</b> , 2½, 3, 4-in.                    | \$3.00 \$5.00 \$9.00                                        |         |
| <b>Asparagus Robustus</b> , 3-in.                   | 5.00                                                        |         |
| <b>Sprengeri</b> , 3-in.                            | 5.00                                                        |         |
| <b>Smilax</b> , 2½-in.                              | 3.00                                                        |         |
| <b>Lobelia</b> , Bedding Queen and Speciosa, 2-in.  | 2.00                                                        |         |
| <b>Verbenas</b> , seedlings in bloom, 2-in.         | 2.50                                                        |         |
| <b>Alyssum</b> , Little Gem, 2-in.                  | 2.50                                                        |         |
| <b>Double</b> , 2-in.                               | 2.50                                                        |         |
| <b>Coleus</b> , 10 vars., 2, 3-in.                  | \$2.00, 3.00                                                |         |
| <b>Petunias</b> , single, large, in bloom, 2, 3-in. | 2.00, 3.00                                                  |         |

**WEST END GREENHOUSES,**  
**Hans Schmalz,** Prop. Lincoln, Ill.



# STOCK YOU NEED NOW

This list is strictly up-to-the-minute, but contains only a small part of the immense variety we have to offer.  
If you don't find what you want, ask for it.

SEND YOUR ORDER TODAY.

PROMPT SHIPMENT GUARANTEED.

## PYRAMID BAYS.

|                                          | Pair    |
|------------------------------------------|---------|
| 6 ft. high, 24 in. wide.....             | \$15 00 |
| 6 ft. 6 in. high, 24 to 30 in. wide..... | 20 00   |
| 7 ft. high, 34 to 38 in. wide.....       | 25 00   |

## STANDARD BAYS.

|                                           | Pair    |
|-------------------------------------------|---------|
| 4 ft. high, 22 to 26 in. crown.....       | \$10 00 |
| 5 ft. 6 in. high, 24 to 26 in. crown..... | 12 00   |
| 6 ft. high, 30 to 32 in. crown.....       | 18 00   |
| 6 ft. 6 in. high, 32 to 36 in. crown..... | 20 00   |

## PHOENIX CANARIENSIS.

|                                    | Each    |
|------------------------------------|---------|
| 30 to 36 in. high, 8 in. tub.....  | \$ 2 50 |
| 48 in. high 9 in. tub.....         | 4 00    |
| 48 to 56 in. high, 10 in. tub..... | 8 00    |
| 60 to 66 in. high, 12 in. tub..... | 10 00   |
| 72 to 78 in. high, 17 in. tub..... | 35 00   |

## BOXWOODS.

|                                                               | Each    |
|---------------------------------------------------------------|---------|
| Obelisk-shaped boxwood in mission tubs,<br>5 ft. high.....    | \$ 9 00 |
| 6 ft. high.....                                               | 10 00   |
| Pyramid Box in tubs, 4 ft. high.....                          | 4 00    |
| Pyramid Box in tubs, 5 ft. high.....                          | 6 00    |
| 6 ft. high.....                                               | 8 00    |
| Ball-shaped Box, perfect balls,<br>16 to 18 in. diameter..... | 4 00    |
| 20 to 22 in. diameter.....                                    | 6 00    |
| Standard Box, nice heads.....                                 | 1 50    |
| Nice heads.....                                               | 3 00    |
| Nice heads.....                                               | 4 00    |
| Nice heads.....                                               | 6 00    |

## CANNAS.

All in 4-in. pots at 8c each.

King Humbert, Ezandale, Express, Wyoming, Black Beauty, Mlle. Berat, Austria, David Harum, Beaute Poitevine, Discolor, Chicago, Shenandoah, Souv. de Ant. Crozy, Allemania, La Patry.

## PANDANUS VEITCHII.

|             | Each   | Doz.    |
|-------------|--------|---------|
| 4-inch..... | \$0 50 | \$ 6 00 |
| 6-inch..... | 1 00   | 12 00   |
| 7-inch..... | 2 00   | 24 00   |

## FINE FERNS.

Here is an assortment of ferns for fern dishes in varieties as follows:

Aspidium Tsussimense, Pteris adiantoides, Pteris crenata albo-lineata, Pteris Ouvardi, Pteris serrulata, Pteris Wimsetti, Pteris tremula. 2-in. pots, 50c per doz.; \$3.50 per 100.

## ARECA LUTESCENS—Made-up Plants.

| Pot    | Leaves   | Height       | Each   |
|--------|----------|--------------|--------|
| 3-inch | 10 to 12 | 10 to 12 in. | \$0 20 |
| 4-inch | 12 to 15 | 16 to 18 in. | 25     |
| 6-inch |          |              | 1 00   |
| 7-inch |          |              | 2 50   |
| 8-inch | 12 to 20 | 30 to 36 in. | 3 50   |

## DRACAENA FRAGANS.

|                                    | Each    | Doz.  |
|------------------------------------|---------|-------|
| 5 in. pots, 10 to 12 in. high..... | \$04 35 | \$ 00 |
| 6 in. pots, 12 to 14 in. high..... | 50      | 6 00  |



Phoenix Canariensis.

Ask for our List of Kentias, Latanias, Boston Ferns, Etc.

GEO. WITTBOLD CO., 737-739 Buckingham Place, CHICAGO.

## St. Louis.

### TRADE DULL.

The weather the first part of the week was warm and springlike but at time of writing it is cool and raining. Graduating exercises and Memorial day perhaps will help trade to a certain extent, otherwise it may be considered as dull. Carnations, good stock, have stiffened in price. Some good Cape jasmines with fancy flowers and stems were sold. Peonies have been coming in freely. Roses are in fair supply, white, however, being somewhat scarce. Sweet peas are keeping up in price. Hardy ferns are in but do not come as large as in former years. Field daisies from Kirkwood are now coming in, also iris in limited quantity.

The annual flower sermon was preached last Sunday at Christ Church cathedral by Bishop Anderson as provided for by the will of Henry Shaw. The altar was decorated with plants and cut flowers.

The Mary institute is out with the announcement that there will be no flowers carried by the graduates this year. Anyone desiring to send flowers must send them to their homes.

Grimm & Gorly report trade as good. Their downtown location is improving, many stores adjoining starting up, which draws the crowds. They have special sale days.

F. H. Weber can be seen in the parks and boulevards with his new machine, which is one of the latest. Fred reports trade good.

The sunken gardens at the Suburban Garden park are nearing completion. They will have a very pretty appearance when done.

August Hartman is in with some nice sweet peas. His brother George is in with carnations. W. F.

# Geraniums Coleus

|                                                |      |         |     |
|------------------------------------------------|------|---------|-----|
| 8 varieties, my selection, 2½-in. pots, \$3 00 | 100  | 1000    | 100 |
| 8 varieties, 3-in. pots.....                   | 4 00 | \$25 00 |     |
| Asp. Sprenger seedlings.....                   | 1 00 | 7 00    |     |
| Asp. Sprenger, 2½-in. pots.....                | 2 00 |         |     |

—Cash, No C. O. D.—

JOS. H. CUNNINGHAM, Delaware, O.

## Robert Craig Co..

### HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

Mention the American Florist when writing

LA CROSSE, WIS.—The regular monthly meeting of the Florists' Society was held May 17. G. A. Selenthin gave a talk on "The Watering Pot" which was very interesting and led to considerable discussion by the members present. C. Schaefer gave an interesting talk on the growing of carnations. Among the points he made was that the soil and climate of Wisconsin were especially adapted to the growth of carnations, and he believed that finer carnations could be grown in Wisconsin than in any other state. At the next regular meeting Mr. Hae-bich of the John A. Salzer Seed Co. will have for his subject "The Growing of Chrysanthemums," and J. Wagner will talk on "The Growing of Cyclamens."—J. S. M.

## ARAUCARIA EXCELSA.



A Fine Lot Just Received.

Height 8-10-ins., 2-3 whorls, each, 60c; doz., \$5.50.

Height 12-ins., 3-4 whorls, each; 75c; doz., \$8.00.

Vaughan's Seed Store

CHICAGO.  
NEW YORK.

Mention the American Florist when writing

## Vincas, Geraniums, Coleus.

Extra Fine Vincas, 2½-in. 3 in. and 4-in. at \$2.50, \$4.00 and \$8.00 per 100. Extra Fine Geraniums, S. A. Nutt, etc., 2½-in., 3-in. and 4-in. at \$2.50, \$4.00 and \$8.00 per 100. Coleus, Verschaffeltii, red and Golden Bedder, K. C. 50c; 2½-in. \$2.50; 3 in. \$3.50. Alternantheras, red and yellow, 2-in. fine 2c, each. Double Petunias, fine mixed, 2½-in. 3c; 3-in. 5c. Cash and if quality counts we can please you.

THE SWAN FLORAL CO.,

Lima, Ohio.

Mention the American Florist when writing



## Bedding and Miscellaneous Plants.

|                                                    |                 |
|----------------------------------------------------|-----------------|
| <b>7000 Vincas,</b>                                | <b>Per 100</b>  |
| Variegated, 2-in.                                  | \$3 00          |
| 3-in.                                              | 6 00            |
| 3-in. strong                                       | 8 00            |
| 3-in. extra strong                                 | 10 00           |
| 3-in. select.                                      | 12 00           |
| This stock is extra fine and well worth the price. |                 |
| <b>10,000 Geraniums</b>                            |                 |
| S.A. Nutt and other standard varieties, 2-in.      | \$3 00          |
| 3-in.                                              | 6 00            |
| 4-in.                                              | 10 00           |
| Mme. Salleri, 2-in.                                | 4 00            |
| Asparagus Plumosus, 2-in.                          | 3 00            |
| 3-in. for planting                                 | 5 00            |
| Ageratum in variety, 2 in.                         | 3 00            |
| Achyranthes, 2 in.                                 | 3 00            |
| Alyssum, 2-in.                                     | 2 50            |
| Begonias in variety, 2-in.                         | 3 00            |
| Chenostoma Hispidum, 2-in.                         | 3 00            |
| Caladium Esculentum, started                       | \$6 00 to 12 00 |
| Cyperus, 3-in.                                     | 5 00            |
| Chrysanthemums, 2-in.                              | 4 00            |
| Coleus, mixed.                                     | 2 50            |
| Golden Bedder and Verschaffelti                    | 3 00            |
| Cuphea                                             | 3 00            |
| Echeveria Secunda Glauca                           | 4 00            |
| Fuchsias, 2-in.                                    | 3 00            |
| Hardy Pinks, field clumps                          | 10 00           |
| Hardy Poppies, 3 in.                               | 5 00            |
| Heliotrope                                         | 3 00            |
| Ivy, German                                        | 3 00            |
| Lantanas, in variety                               | 3 00            |
| Marguerite Daisies, 3-in.                          | 6 00            |
| 4-in.                                              | 8 00            |
| Myrtle, hardy field clumps                         | 10 00           |
| Pansies, large field grown                         | 2 50            |
| Satolonia                                          | 3 00            |
| Selaginella, Lycopodium Moss, 3-in.                | 4 00            |
| Verbenas                                           | 3 00            |

**I. N. KRAMER & SON,**  
CEDAR RAPIDS, IA.

Mention the American Florist when writing

## Roses plenty

In sorts listed page 789, May 14.

On own roots; summer grown; winter rested.

**THE LEEDLE FLORAL COMPANY**  
SPRINGFIELD, OHIO

Worcester, Mass.

The horticultural features of this city are very noteworthy at the present time. Beautifully situated as it is in one of the finest sections of the Bay state and inhabited by a thrifty and intelligent class of people, it is unnecessary to state that horticultural and floricultural features receive large attention. The parks and public grounds show evidence of intelligent and careful work and the same can be said of numerous private estates. Turning to the commercial men who supply the material, we find them prosperous.

H. F. A. Lange has a very handsome retail store at 294 Main street, with a glass area of over 100,000 square feet on Mt. Vernon street. A leading feature of his greenhouses is the many fine geraniums, fuchsias and other pot and bedding plants grown. Lilies for cutting are grown all the year around and his store takes the entire product of the range.

At the Worcester Conservatories, of which L. C. Midgley is proprietor, there is a fine showing of carnations, roses and other stock for cutting as well as a good stock of bedding plants. This range has a glass area of over 100,000 square feet. Under the careful management of Mr. Midgley during the past six years the business has been very prosperous.

H. F. Littlefield has two handsome stores on Main street and does an immense retail business, a feature of which is three automobiles for deliv-

# LOOK! BARGAINS IN Bedding Plants

For Immediate Shipment.

NOW READY.

Godfrey Aschmann, the busy bee, is more active than ever. Come and look at what he and his sons and employees have done in four weeks' time. Inspect it yourself, judge it yourself, and you will say "Is it possible?" Ten greenhouses and equally as many frames are filled with choice bedding plants of all descriptions.



First consignment of

## ARAUCARIA EXCELSA,

just arrived from Europe, all grown from top cuttings by our specialist in Araucarias in Belgium. Plants with 3, 4, 5 and 6 tiers, in their original packing, 12-15-18-20-25 in. high, 35c, 40c, 50c, 60c, 75c to \$1.00 each.

Robusta and Glauca, at \$1.00 to \$1.25 each.

## In Small Plants

we have the following in 2½ to 3-in. pots, at \$3.00 per 100:

Verbenas, assorted colors.  
Phlox Drummondii, dwarf and grandiflora.  
French dwarf Tagetes (the queen of the Marigolds).  
Cosmos, red, white and pink (assorted or mixed).  
Coleus, Verschaffelti, Golden Bedder, Queen Victoria (fancy colors, 4c).  
Petunias, Immitable, Dwarf and Rosy Morn.  
Sweet Alyssum, Carpet of Snow or Little Gem.  
Tradescantia, two colors.  
Thunbergia, or Black Eyed Susan.  
Salpiglossis.  
Lobelia, Crystal Palace, blue, dwarf and trailing.  
Centaurea Gymnocarpa (Dusty Miller).  
Parlor or German Ivy, 3c.  
California Giant Petunia, 3-in., \$5.00 per 100.  
Maurandia Barclayana, 5c.  
Asters, Victoria, 5 separate colors, 2½-in., 3c.  
Zinnia Elegans, best double dwarf, assorted, 2½-in., \$3.00 per 100.  
Torenia Fournieri, 2½-in., \$4.00 per 100.  
Candytuft, \$3.00 per 100.  
Acalypha, 2½-in., \$3.00 per 100.  
Ageratum, blue, \$3.00 per 100.  
English Ivy, 3-in., \$5.00 per 100.  
Nasturtiums, Empress of India and about seven more fine colors, 3 in. pots, \$4.00 per 100.  
Tomato Plants, Stone, best known variety, 25c per 100.

Don't forget that we are the growers and shippers of *Ipomoea Noctiflorum*, the pure white Moonvine, with flowers as big as a saucer, very fragrant and the earliest Moonvine in existence, for which we have a world-wide reputation for the past twenty-five years: grows 50 feet and over in one season: over 25,000 are shipped every spring all over America, south, north, west and east. Mexico and Cuba: 2½-in. pots, \$5.00 per 100: 3-in., \$8.00 per 100; 4-in., \$12.00 per 100.

Cash with order, please.  
All plants must travel at purchaser's risk.

## GODFREY ASCHMANN

Wholesale Grower and Importer of Potted Plants, 1012 West Ontario St., PHILADELPHIA, PA.

ery. He has also a considerable area of glass.

Chas. R. Fish & Co., who do a heavy nursery and landscape business, have been unusually busy this season. They employ a large number of men and have a fine stock.

Ross Bros. (Inc.), seedsmen, are adding to their facilities. They now occupy two buildings, the total comprising 11 floors, and have further additions in view.

F. B. Madus, who has a good store at 372 Main street, does a large amount of funeral work and is busy with Memorial day preparations.

HACKENSACK, N. J.—Kuhnert & Son were among those who suffered losses when the Hamilton building burned May 9. They managed to save their stock but lost their fixtures.

## For Summer Bloom Plant at Once

**Kaiserin Augusta Victoria**  
OWN ROOT STOCK.

We have a large stock of fine plants as large as ordinary 4-in. plants, at \$40.00 per 1000.

Order at once as they will soon be gone.

W. H. ELLIOTT, Brighton, Mass.

Send Advertisements Early.

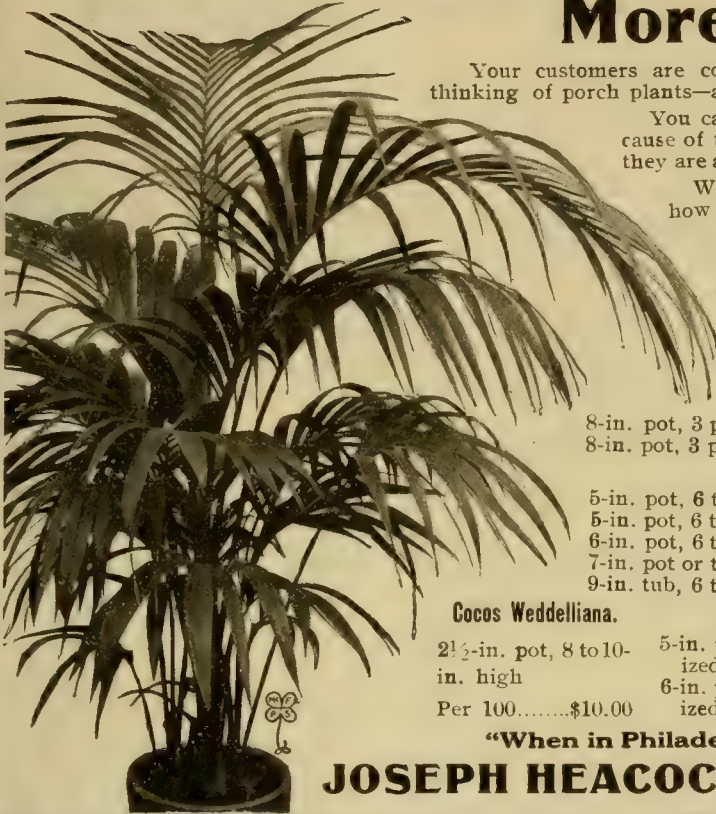


# "Heacock Quality" Palms Mean More Trade For You

Your customers are commencing to stay out-of-doors more now; they are thinking of porch plants—and most particularly of PALMS.

You can sell Heacock's Palms to your trade—profitably because of their handsome, thrifty appearance and great vigor; they are an ornament anywhere.

We grow Palms by the thousand, from seed; we know how to produce the best results, and our stock is vastly better than imported Palms at any price—yet ours cost no more, as you'll see from the following list. Our stock this year is extra-fine and we'd like a trial order from you. We have splendid freight connections and can ship promptly.



## Areca Lutescens.

Each

|                                                    |        |
|----------------------------------------------------|--------|
| 6-in. pot, 3 plants in pot, 26 to 28-in. high..... | \$1.00 |
| 7-in. pot, 3 plants in pot, 30 to 32-in. high....  | 2.00   |
| 8-in. pot, 3 plants in pot, 36 inches high.....    | 2.50   |
| 8-in. pot, 3 plants in pot, 42 inches high.....    | 3.00   |

## Kentia Belmoreana.

Doz. 100

|                                                      |              |                   |
|------------------------------------------------------|--------------|-------------------|
| 5-in. pot, 6 to 7 leaves 18-in. high.....            | \$6.00       | \$50.00           |
| 5-in. pot, 6 to 7 leaves, 20-in. high.....           | 9.00         | 70.00             |
| 6-in. pot, 6 to 7 leaves, 22 to 24-in. high, Each    | \$1.00; Doz. | \$12.00           |
| 7-in. pot or tub, 6 to 7 leaves 32 to 34-in high, .. | 2.00; "      | 24.00             |
| 9-in. tub, 6 to 7 leaves, 5-ft. high,.....           | Each         | \$7.50 and \$8.00 |

## Cocos Weddelliana.

2½-in. pot, 8 to 10-in. high

Per 100.....\$10.00

## Phoenix Roebelenii.

5-in. pots, nicely characterized, Each..... \$1.00

6-in. pots, nicely characterized, Each.....\$1.50

## Made-up Kentia Forsteriana.

9-in tub, 4 plants in tub, 42 to 48-in. high, Each \$ 4.00

12-in tub, 4 plants in tub, 6 ft. high, Each..... 15.00

"When in Philadelphia be sure to look us up."

JOSEPH HEACOCK CO.,

Wyncote, Pa.

## Young Rubber Plants

2½-in. pots, \$15.00 per 100.

ORDER EARLY

LIMITED QUANTITY.

Bobbink & Atkins,

Rutherford, N. J.

San Francisco.

Trade conditions still continue to be very quiet, with no falling off in stock, which still pours into the market in unlimited quantities. Sweet peas are now being bought as low as 25 cents per dozen bunches, carnations from 10 to 20 cents per dozen, and Easter lilies from 50 cents to \$1 per dozen.

Last Sunday the Pacific Coast Horticultural Society held its first monthly outing, on which occasion the members visited the nurseries of J. A. Carbone and E. Gill, both of Berkeley. The members were gloriously received at both places, and they are now anxiously looking forward to the next outing, which will probably be held in the San Mateo district.

The Panama-Pacific exposition committee, appointed by the local horticultural society, composed of H. Plath, V. Mairala and A. J. Rossi, reports that it has succeeded in raising \$4,000 for the purchase of stock in the Panama-Pacific exposition corporation.

## SPECIAL on Bedding Stock

|                                                                                                                   |                 |
|-------------------------------------------------------------------------------------------------------------------|-----------------|
| Queen Alexander Daisy, in bud and bloom, 3-in.                                                                    | Per 100 \$ 4 00 |
| Feverfew, 4-in                                                                                                    | 7 00            |
| 2 in                                                                                                              | 2 00            |
| Double Alyssum, 2½ in.                                                                                            | 2 50            |
| Ageratum, blue, 2-in.                                                                                             | 2 50            |
| Heliotrope, blue, 2-in                                                                                            | 2 50            |
| White Moonvine, 2½ in.                                                                                            | 3 00            |
| Salvia, Bonfire, 2½ in.                                                                                           | 3 00            |
| Coleus, good assortment.                                                                                          | 2 00            |
| Lantanas, 2 varieties, 2-in.                                                                                      | 2 50            |
| Fuchsias, in variety, 2-in.                                                                                       | 3 00            |
| German Ivy, 2-in                                                                                                  | 2 50            |
| Cetaurea Gymocarpa, 2½ in.                                                                                        | 3 00            |
| Smilax, 1½ in                                                                                                     | 1 50            |
| Ferns, in assortment and varieties, including Boston, Whitmani, Asparagus Plumosus Nanus Sprenger, Piersoni, etc. |                 |

D. U. Augspurger & Sons Co.  
Box 778, PEORIA, ILL.

## Pansy Plants

Large stocky plants in bud and bloom, the very best strain at \$1.25 per 100, \$10.00 per 1000; smaller plants \$2.00 per 1000.

Stocks, Dusty Miller, Verbenas, Phlox, Alyssum, Heliotrope, Ageratums, Mme. Salleron Geraniums, Asp. Sprenger and Scarlet Sage, fine plants out of 2½-in. pots, \$2.00 per 100; 300 for \$5.00; \$15.00 per 1000.

Cabbage Plants for field, \$1.25 per 1000.

J. C. SCHMIDT, Bristol, Pa.

J. A. Carbone reports that he is erecting, in addition to his already finely equipped nursery, two 110-foot houses, which will be entirely devoted to orchids.

M. Ebel, a well-known florist of Sacramento, was in the city for a few days this week.

ARTUS.

## 20,000 ROSES

Ready to go out.

|                       |        |        |       |         |
|-----------------------|--------|--------|-------|---------|
| American Beauty,..... | 2½ in. | \$6 00 | 3-in. | \$ 8 00 |
| Pink Killarney,.....  | 6 00   | 8 00   |       |         |
| White Killarney,..... | 8 00   | 10 00  |       |         |
| Palmer,.....          | 4 00   | 7 50   |       |         |
| Gates,.....           | 2 50   |        |       |         |
| Maids,.....           | 2 50   | 4 50   |       |         |
| Brides,.....          | 2 50   | 4 50   |       |         |
| Ivory,.....           | 2 50   |        |       |         |
| Cardinal,.....        | 4 00   |        |       |         |
| Kaiserin,.....        | 3 50   | 5 00   |       |         |
| Chatsenay,.....       | 3 00   | 5 00   |       |         |
| Richmond,.....        | 3 00   |        |       |         |
| Uncle John,.....      | 3 50   |        |       |         |

Send for samples.

## FERNS

We have 10 000 Boston, Whitmani, Piersoni, Amerpohli, Plumosus and Sprenger to sell at once in 2½-, 3-, 4-, 5-, 6-, 7-, 8-, and 10-inch. Send sample order.

## SPECIAL

Baby Rambler Roses, Tuberous Rooted Begonias, Fancy Leaved Caladiums, Gloxinias, 5-in. 25c to 35c; 6-in. 50c. Cinerarias, transplanted in flats at \$2.50 per 100. Primroses, \$2.50 per 100. Celestial Peppers, \$2.50 per 100.

## SOFT WOODED PLANTS

Look over our list in last week's issue and if there is anything you need to help out in your bedding plants for the Spring trade write us. We have plenty of Moonvines, Vincas, Cobbeas and smaller vines. Write

GEO. A. KUHLE, Wholesale Florist,  
PEKIN, ILL.

## WANTED Canna Black Beauty

Plants. State size, price and quantity. Address.

Key 995, care American Florist



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## Gorham & Chapline Printery Inc.

CATALOGUES  
PRICE LISTS.  
HALFTONES, ENGRAVINGS and  
PRINTING FOR FLORISTS.

358 Dearborn Street, CHICAGO.

The Early Ad. Catches the Coin.

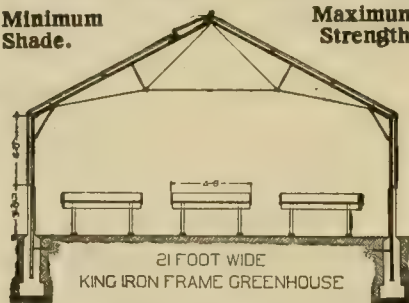
## Now Is The Time

Minimum  
Shade.

Maximum  
Strength.

## King Iron Frame.

"ASK THE MAN WHO HAS ONE"



21 FOOT WIDE  
KING IRON FRAME GREENHOUSE

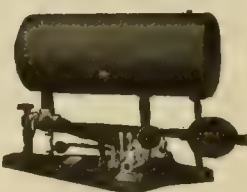
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King Construction Co., North Tonawanda, N. Y.

Cochrane & McKay, Chicago, Ill., two 21 ft. by 141 ft.  
H. E. Asplin, Rocky River, O., 54 ft. by 175 ft.  
Wm. Krieger, Lansing, Mich., 28 ft. by 100 ft.  
C. F. Maler, Denver, Colo., two 21 ft. by 100 ft.  
F. Tegerloer, Denver, Colo., 25 ft. by 125 ft.  
C. Brehmer, Chillicothe, O., 42 ft. by 175 ft.  
F. Witthuhn, Cleveland, O., 30 ft. by 66 ft.  
F. F. Crump, Colorado Springs, Colo., 21 ft. by 150 ft.  
F. Holberg, Denver, Colo., three 25 ft. by 125 ft.  
Walla Walla Floral Co., Walla Walla, Wash., two 32 ft. by 100 ft.

## Have You Ever—

Talked with a brother florist who uses Morehead Return Steam Traps?  
If not, do so at first opportunity and be convinced that you must install one at once.



30 Days Free Trial.

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Coleus, R. C., 50c; 2½-in., \$2.50; 3-in., \$3.50. The Swan Floral Co., Lima, O.

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Dracena indivisa, 4-in., \$1.80 per doz.; \$12 per 100; 5-in., \$25 per 100. A. N. Pierson, Inc., Cromwell, Conn.

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Geraniums, S. A. Nutt, Mme. Barney, White Swan, 4-in., \$3 per 100. Mme. Sallerol, 2½-in., \$3 per 100. J. S. Hennon & Son, Wampum, Pa.

Mme. Sallerol, fine A1 plants, 2½-in., \$2 per 100. Cash. S. W. Carey, Urbana, O.

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**GERANIUMS.** Nutt. Grant, Poitevine, Viaud, Buchner, all true to label: Large top cuttings well rooted, \$1.25 per 100; \$10 per 1,000. Same varieties from 2½-in. pots, \$2 per 100; \$18 per 1,000. Cash. The W. T. Buckley Co., Springfield, Ill.

Geraniums, fine stock, finest and best bloomers, Nutt. Grant, Ricard, La Favorite, Poitevine, Jaulin, Trego, Perkins, etc., 4-in., all in bud and bloom, \$6 per 100; \$55 per 1,000. Double Red Silver leaf, 4-in., 10c. Samuel Whitton, 84 Churchill Ave., Utica, N. Y.

Geraniums, Nutt. Doyle, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Viaud, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$5 per 100. Mme. Sallerol, 2-in., \$3 per 100. G. M. Emmans, Newton, N. J.

Apple geranium, 2-in., \$2 per 100; 3-in., \$4. Standard varieties, 2-in., \$2 per 100; \$18.50 per 1,000; ivy leaved, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geranium, standard varieties, 2½-in., 3c each; \$25 per 1,000; 4-in., 9c each; \$80 per 1,000. Mme. Sallerol, 3-in., 4c. La Favorite, 3-in., 5c; 4-in., 8c. Mosbaek Greenhouse Co., Onarga, Ill.

Geraniums, Nutt. Ricard, Pink Bedder, Murkland, Jas. Vick, Mme. Jaulin, 4-in., \$7 per 100. Sallerol, 3-in., \$4. Grand Rapids Greenhouse Co., Grand Rapids, Mich.

Geraniums, Nutt. Beaute, Poitevine, good white, 4-in., all in bloom and bud, good plants guaranteed, \$7, \$8 per 100. G. Schlegel, Olney, Ill.

Rose geraniums, fine A1 plants, 2½-in., \$1.25 per 100; \$10 per 1,000. Cash. S. W. Carey, Urbana, O.

Geraniums, 8 vars., ¾-in., \$3 per 100; \$25 per 1,000; 3-in., \$4. Jos. H. Cunningham, Delaware, O.

Geraniums, R. C. Ricard, Poitevine, Nutt, \$10 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Heteranthe, Doyle, 4-in., \$7 per 100. West End Greenhouses, Lincoln, Ill.

Sallerol, fine 2½-in., \$2 per 100. T. J. Fitters, Harbor Springs, Mich.

Geraniums, 2½ to 4-in., \$2.50 to \$3 per 100. The Swan Floral Co., Lima, O.

## GREENS.

Greens, ferns, \$1.75 per 1,000. Galax, green, 75c per 1,000; bronze, \$6 per case of 10,000. Sphagnum moss, 12 bbl. bales, \$3.50. Green moss, \$1.25 per bbl. Laurel festooning, 4c, 5c and 6c per yd. Smilax, 50-lb. case, \$6. Pine, 7c per lb. Laurel branches, 35c per bunch. Laurel and pine wreaths, \$2 to \$3 per doz. Boxwood, \$15 per 100 lbs. Crowl Fern Co., Millington, Mass.

Greens, fancy and dagger ferns, \$2.00 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large bales, \$1.25; Leucothoe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch, 50 lbs., \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, dagger and fancy ferns, \$2 per 1,000. Bronze and green galax, \$1 per 1,000; \$8.50 per 10,000. Leucothoe Sprays, \$1 per 1,000; \$7.50 per 10,000. Henry M. Robinson & Co., 15 Providence St., Boston, Mass.

Greens, southern wild smilax, Log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax, Geo. Cotsonas & Co., 33 W. 28th St., New York.

Greens, cut palmetto and cycas leaves, galax, leucothoe, ferns, mosses, etc., Kervan Co., 113 W. 28th St., New York.

## HARDY PLANTS.

Perennial phlox, named varieties, field-grown, \$5 and \$10 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Sedum spectabilis, 2½-in., right size for planting, \$4 per 100; \$30 per 1,000. Wagner Park Conservatories, Sidney, O.

Hardy phlox, R. C., \$1.25 per 100. A. M. Herr, Lancaster, Pa.

Herbaceous plants, Bobbink & Atkins, Rutherford, N. J.

## HELIOTROPES.

Heliotrope, Miss Bernice, 2½-in., \$8 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Heliotropes, blue, large plants from soil, strong transplanted stock, 75c per 100; \$5 per 1,000. Samuel Whitton, Utica, N. Y.

Heliotrope, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

## HOLLYHOCKS.

Hollyhocks, assorted, 2½-in., 3c. Mosbaek Greenhouse Co., Onarga, Ill.

## HYDRANGEAS.

Hydrangea Arborescens Grandiflora. We have the largest stock of strong 2-year plants in America. Plants 2 to 3 feet, \$2.50 per doz.; \$15 per 100; \$140 per 1,000. Good plants, 15 to 20 inches, \$10 per 100. List free. E. Y. Teas, Centerville, Ind.

Hydrangea, paniculata, grand, 18 to 24 ins., 6c; 2 to 3 ft., 9c. Dingee & Conard Co., West Grove, Pa.

Hydrangea Otaksa, rooted cuttings, \$1.50 per 100. J. H. Flessner, Hamilton Ave., North Bergen, N. J.

## IVY.

Ivy, German or English, 2-in., \$2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

German ivy, fine A1 plants, 2½-in., \$1.25 per 100. S. W. Carey, Urbana, O.

## LILACS.

Lilacs, Jacs Smits, Naarden, Holland.

## LILY OF THE VALLEY.

### To Import.

Lily of the valley, Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley, Otto Mann, Leipzig, Saxony, Germany.

### From Storage.

Lily of the valley, cold storage, 250, \$3.50; per 1,000, \$13. W. C. Beckert, Northside, Pittsburg, Pa.

Lily of the valley clumps, \$2.35 per doz.; \$20 per 100. Vaughan's Seed Store, Chicago and New York.

Lily of the valley, cold storage, \$12.50 per 1,000. Buds, 76 Barclay St., New York.

## LOBELIA.

Lobelia Newport Model 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lobelia speciosa, Kathleen Mallard, Bedding Queen, 2½-in., \$2.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Blue lobelia, fine A1 plants, 2½-in., \$1.25 per 100; \$10 per 1,000. Cash. S. W. Carey, Urbana, O.

## MYOSOTIS.

Myosotis, early flowering, 3-in., \$2.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

## MUSHROOM SPAWN.

Mushroom Spawn, Lambert's Pure Culture, American Spawn Co., St. Paul, Minn.

Mushroom Spawn, Sure crop, \$8 per 100 lbs. Weeber & Don, 114 Chambers St., N. Y.

## NURSERY STOCK.

Nursery stock, evergreens, shade and ornamental trees, shrubs, vines, trained dwarf and standard fruit trees, grape vines, small fruits. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, conifers, boxwoods, azaleas, rhododendrons, forest and fruit trees, hedge plants, etc. S. A. Vosters & Sons, Riel, Holland.

Nursery stock, Clematis, ampelopsis, tree hydrangeas, lilacs, shrubs, vines and perennials. Jackson & Perkins, Newark, N. Y.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock arbor vitae (Thuja occidentalis), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Viburnum plicatum, 2 to 3 ft., 12c. Dingee & Conard Co., West Grove, Pa.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

## ORCHIDS.

Orchids importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchids, Cattleya Trianae, labiata, Warneri, Dendrobiums, Oncidium V. Rogersii, G. L. Freeman Co., Fall River, Mass.

Orchids, all commercial, cattleyas and novelties. Carillo & Baldwin, Secaucus, N. J.

Orchids. Largest stock in the country. Julius Roehrs Co., Rutherford, N. J.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

## PALMS.

Palms, Kentias, in 2½-in. pots, \$8 per 100; \$75 per 1,000. Jackson & Perkins Co., Newark, N. Y.

Palms. For varieties and prices see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Palms, Kentia Fors., 6-7-in., \$2 to \$3 each. Kentia Bel., 3-in., 10c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Kentias. Joseph Heacock Co., Wyncote, Pa.

Palms, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Palms, Bobbink & Atkins, Rutherford, N. J.

## PANDANUS.

Pandanus Veitchii, 4-in., 50c each; \$6 per doz.; 6-in., \$1 each; \$12 per doz.; 7-in., \$2 each; \$24 per doz. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

## PANSIES.

Ready now, 250,000 fine large, fall transplanted pansies in bud and bloom. Superb strain; the finest market strain grown. A trial order will convince you that they are the best you ever had. You need them for your particular trade. Price, \$1.25 per 100; \$10 per 1,000. Cash with order. Leonard Cousins, Jr., Concord Junction, Mass. Telephone 82 Concord.

50,000 field-grown pansy plants. They never saw either a cold or hot bed, strong, husky plants; beautiful blooms. They are the kind that sell and please, \$20 per 1,000. Albert A. Sawyer, Pansy Specialist, Pansy Garden, Oak Park, Ill.

Pansies, \$2 per 1,000. J. C. Schmidt, Bristol, Pa.

## PEONIES.

Peonies, all vars., Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars., W. & T. Smith Co., Geneva, N. Y.

Peonies only by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

Peonies, a superb collection. Jackson & Perkins Co., Newark, N. Y.

## PETUNIAS.

Petunias, dbl. mixed or Dreer's single, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Petunias, dbl., seedlings, \$2.50 per 100. Jos. H. Cunningham, Delaware, O.

Petunias, 2½-in., 3c; 3-in., 5c. The Swan Floral Co., Lima, O.

## PRIMULAS.

Primula obconica, gigantea, rosea. The bright color for the holiday trade, very strong stock, 2½-in., \$2.50 per 100, cash. These will be good money makers. Freeport Floral Co., Freeport, Ill.

Primula obconica, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

## RHODODENDRONS.

RHODODENDRON CATAWBIENSE. The best of all, 12 to 20 buds, \$75 per 100; 25 to 35 buds, \$12 per doz.; larger specimens, \$15 per doz. Wagner Park Conservatories, Sidney, O.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

## RESURRECTION PLANTS.

Resurrection Plants.—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also caeti. The Francis E. Lester Company, Dept. 5, Mesilla Park, N. M.

## ROSES.

ROSES, 2½-inch; Francis E. Willard, Mrs. Ben R. Cant, Burbank, Kaiserin, White LaFrance, M. Niel, Gruss an Teplitz, Souv. de Pierre Notting, Tausendschon, Philadelphia Rambler, White Baby Rambler, \$3 per 100; \$25 per 1,000. VEILCHENBLAU, the greatest novelty; color violet blue; extra heavy 2-year stock, 90c each; \$10 per doz. Wagner Park Conservatories, Sidney, O.

Own root Bride, Bridesmaid, Chateaux, Golden Gate, Pink Killarney, Kaiserin and Perle, \$6 per 100. Grafted, White Killarney, \$14 per 100. P. R. Quinlan, Syracuse, N. Y.

Roses, Crimson Rambler, 7-8-in., 75c to \$1.50 each. Dorothy Perkins, 5½ and 6-in., 35c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Roses, on own roots, budded, bedding. H. P. hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses, Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

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ROSES, from 2 1/4-in. pots, fine stock. The following varieties at \$3 per 100; \$25 per 1,000; 25 plants of a kind at the 100 rate; 250 at the 1,000 rate: Agrippina, Bridesmaid, Clothilde Soupert, Catherine Mermet, Golden Gate, Mme. Abel Chateau, Mile. F. Kruger, White Bougere, Bride, Bon Silene, Coq de Lyon, Crimson, Rambler, Mrs. Ben R. Cant, Mme. Joseph Schwartz, Safrano.

The following varieties at \$3 per 100; \$27.50 per 1,000: Antoine Rivoire, Cl. Meteor, Etoile de Lyon, Helen Gould, La France, Mme. de Watteville, Pink Cochet, Souv. de La Malmaison, Climbing Kaiserin, Cl. Malmaison, Gruss an Teplitz, Hermosa, Maman Cochet, Mme. Welche, Papa Gontier, White Cochet.

The following at prices named:

|                           | Per 100 |
|---------------------------|---------|
| Blumenschmidt             | \$3.00  |
| Climbing Killarney        | 4.00    |
| Cl. Perle des Jardins     | 3.00    |
| Dismore                   | 3.00    |
| Helen Good                | 3.00    |
| Kaiserin Augusta Victoria | 3.00    |
| Killarney                 | 3.50    |
| Margaret Dickson          | 3.50    |
| Mrs. John Laing           | 3.50    |
| Mme. Masson               | 3.00    |
| Mme. Chas. Wood           | 3.00    |
| Marchal Niel              | 3.00    |
| Perle des Jardins         | 3.00    |
| Rhea Reid                 | 3.50    |
| Sow de Pres. Carnot       | 3.00    |
| Wellesley                 | 3.00    |
| Wm. R. Smith              | 3.00    |

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Largest Rose Growers in the World.  
SPRINGFIELD, OHIO.

ROSE PLANTS, 2 1/2-INCH POTS.

|              | 100 | 1,000 |
|--------------|-----|-------|
| Kaiserin     | 4   | 35    |
| Mrs. Jardine | 4   | 35    |
| Richmond     | 3   | 25    |

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51 Wabash Ave. Chicago.

Roses, Kaiserin and My Maryland, large as 4-in., \$40 per 1,000. W. H. Elliott, Brighton, Mass.

Roses. For prices and varieties see advertisement elsewhere in this issue. E. G. Hill Co., Richmond, Ind.

Roses, Bride, Maid, Golden Gate, 3-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

New Rambler (violet blue). Ellwanger & Barry, Rochester, N. Y.

Roses a specialty. Dingee & Conard Co., West Grove, Pa.

Roses, leading varieties. Leedle Floral Co., Springfield, O.

Roses 3-in., Wood Bros., Fishkill, N. Y.

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ROOTED CUTTINGS READY NOW.

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|--------------------|---------|
| Virginia Poehlmann | \$2.50  |
| Golden Glow        | 2.50    |
| Pink Duckham       | 2.00    |
| Col. Appleton      | 2.00    |
| C. Touset          | 2.00    |
| Wanamaker          | 2.00    |
| Jennie Nonin       | 2.00    |
| Dr. Enguehard      | 2.00    |

JOY FLORAL CO., Nashville, Tenn.

## SALVIAS.

Salvia Bonfire and Zurich, 2-in., \$2 per 100; \$17.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Salvias, 2 1/2-in. pots, 3c each; \$2.50 per 100. Fine aster plants, 2c each. B. F. Castner, 120 Taylor St., Washington, D. C.

Salvias, Zurich, Bonfire and Splendens, 3-in., 5c. Mosbaek Greenhouse Co., Onarga, Ill.

Salvia, Bonfire, 2 1/4-in., strong plants, 3c each. G. Schlegel, Olney, Ill.

Salvia Zurich, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

## SEEDS.

Seeds. Asparagus plumosus nanus. 100 seeds, 60c; 250, \$1.25; 1,000, \$4. Sprenger, 100 seeds, 15c; 250, 25c; 1,000, 75c; 5,000, \$3.25. Vaughan's Seed Store, Chi. & N. Y.

Seeds, onion, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seeds, asters, mignonette, Begonia Vernon, Cineraria, Primula Chinensis, Obconica, Salvia Bonfire and Splendens, Verbenas, Cyclamen and Pansy. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

HYBRID GERBERAS (Adnet's strain). Crop 1910. \$9 per 1,000 seeds; \$60 per 10,000 seeds, from the originator. Cash. Adnet, Antibes, France.

Seeds, Bermuda onion, Federico C. Varela, Tenerife, Canary Islands.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

The Best Seeds for Dealers, Truckers, Plant Growers. Get price list from Francis Brill, Grower, Hempstead, N. Y.

Seeds of all kinds. H. E. Flske Seed Co., Boston.

Seeds of all kinds. Winterson's, 45 Wabash Ave., Chicago.

Seeds, pansy. Fred. Roemer, Quedlinberg, Germany.

## Contract Growers.

N. L. WILLET SEED CO., Augusta, Ga., offers to sell U. S. seed merchants, 1910 contracts now on following Georgia grown seeds: Collards, okra, asparagus, teosinte, turnips, Pearl millet, Velvet beans, Soy beans, peanuts, sorghum, melons, mustard, multiplying onions, Beggar weed and Look-out Mountain potatoes.

## SPIREAS.

Spires, J. Smits, Ltd., Naarden, Holland.

## STEVIA.

Stevia, 2 1/4-in., \$4 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

## STOVE PLANTS.

Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

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VEGETABLE PLANTS.

|                                                    | Per 1,000 |
|----------------------------------------------------|-----------|
| Cabbage—Danish Ballhead and Early Jersey Seedlings | \$1.25    |
| Cabbage—Danish Ballhead transplanted               | 3.50      |
| Cauliflower—Seedlings                              | 4.00      |
| Cauliflower—Transplanted                           | 5.00      |
| Egg Plant—Seedlings                                | 3.00      |
| Peppers—Pot plants, per 100, \$3                   | 25.00     |
| Tomatoes—Seedlings                                 | 2.00      |
| Tomatoes—Pot plants, \$4 per 100.                  |           |

MOSBAEK GREENHOUSE CO., Onarga, Ill.

Sweet potatoes: Yellow Jersey, Red Bermuda, \$2 per 1,000. Tomato: Spark's Earliana, Beauty, \$2 per 1,000. Cabbage: Early and Late, \$1.50 per 1,000. Kale, Kohlrabi, Celery, 30c per 100. Mrs. Edward Hayden, Greenview, Ill.

Tomato plants, all the best sorts from seed bed, \$2 per 1,000; transplanted, \$3 per 1,000. Cauliflower, Erfurt, large from seed bed, \$2 per 1,000; transplanted, \$3 per 1,000. Cash. E. Fryer, Johnstown, Pa.

A large stock of sweet potato plants now ready. Yellow Nansemond, Big Stem Jersey and Early Golden, \$1.25 per 1,000; \$10 per 10,000. H. Austin Co., Felton, Del.

Vegetable plants, cabbage and tomatoes, leading varieties, \$1.25 per 1,000. Sweet potato, \$1.50 per 1,000. S. J. McMichael, 142 Larkins St., Findlay, O.

## VERBENAS.

Verbenas, 3-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

40,000 Verbena plants in bud and bloom, \$20 per 1,000. Coleus plants at same price. J. L. Dillon, Bloomsburg, Pa.

Verbenas, assorted, 2 1/4-in., \$2 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

## VINCAS.

Vinca minor, the hardy vinca for cemetery planting and under trees, where grass will not grow; well rooted layers, \$1.50 per 100; \$10 per 1,000. E. Y. Teas, Centerville, Ind.

Vinca variegata, extra strong stock well set with leads, ready for shift, 2 1/2-in., \$2.25 per 100; \$20 per 1,000; 3-in., \$5 per 100. Cash. Freeport Floral Co., Freeport, Ill.

Vinca variegata, 3, 4 and 5-in., 6c, 8c, 10c, 12c each; good plants guaranteed. G. Schlegel, Olney, Ill.

Vinca var., 5-in., 20c. Vinca minor, field-grown, \$4 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Vinca, green, fine A1 plants, 2 1/2-in., \$1 per 100; \$9 per 1,000. Cash. S. W. Carey, Urbana, O.

Vinca variegata, 4-in., \$8 per 100. J. S. Hennon & Son, Wampum, Pa.

Vinca, 2 1/2, 3 and 4-in., \$3, \$5 and \$9 per 100. West End Greenhouses, Lincoln, Ill.

Vincas, 2 1/2, 3 and 4-in., \$2.50, \$4 and \$8 per 100. The Swan Floral Co., Lima, O.

Vincas, 4-in., green and var., \$10 and \$12 per 100. W. W. Coles, Kokomo, Ind.

## VIOLETS.

Marie Louise Violet plants, first quality stock, \$2 per 100; \$15 per 1,000. Swanley White, extra quality stock, \$2.50 per 100. Ready for shipment. Cash with order. J. Vonder Linden, Rhinebeck, N. Y.

Baronne Rothschild Violets, 2 1/4-in., \$5 per 100. Cash with order.

GEORGE CORBETT,

College Hill, Sta. K, Cincinnati, O.

Violets, Princess of Wales, clean divisions, ready now for delivery. Cash with order. \$5 per 100; \$40 per 1,000. Kenwood Greenhouses, Tenafly, N. J.

## BOILERS.

Forty horse-power boiler for steam or hot water, almost new. Write for price. C. C. Pollworth Co., Milwaukee, Wis.

Gem City Return Tubular Firebox boilers. The Gem City Boiler Co., Dayton, O.

## GLASS.

Glass 16x18 double A glass. Write the C. C. Pollworth Co., Milwaukee, Wis.

## MISCELLANEOUS.

Pillsbury's Carnation Staple, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

## PIPE.

Four-inch pipe, 8c per foot. C. C. Pollworth Co., Milwaukee, Wis.

## POTS, PANS, ETC.

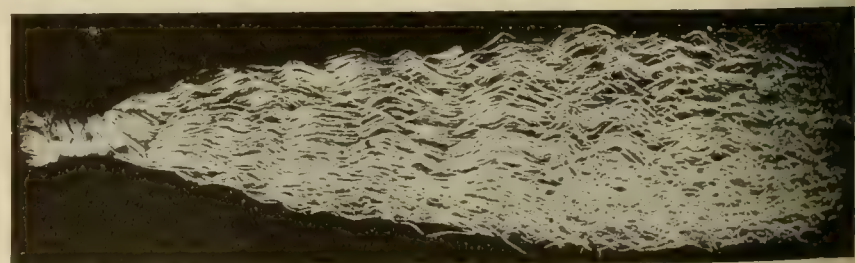
"NUFF SED." Best red pots are made by Geo. E. Feustel, Fairport, Iowa.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

## STAKES.

Cane Stakes. Standard grade 6 to 8 feet, per 100, 50c; 500 for \$3; \$3.50 for 1,000. Pipe stems about 6 feet per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

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We are positively Headquarters for two best grades—bales or ten bales.]

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The result of many years practical experience.

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Freight paid on quantities. Write for our special offer to the American trade, pamphlets, agents' circulars, etc., to sole makers,

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Mention the American Florist when writing

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## Pulverized Sheep Manure



The Ideal  
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Write to  
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NATURAL GUANO COMPANY,

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## Cattle Manure in Bags Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

## Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company  
32 Union Stock Yards, Chicago.

Mention the American Florist when writing



This  
Kills  
Mildew  
Every Time.

For particulars  
write

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DORRANCE,  
Rose Growers,  
Dorranceton,  
Penna.

# AMMONIATED LAWN LIME

Kills Weeds — Makes Grass Grow

Applied as a light top dressing to lawns it kills all flat leaved weeds, such as Dandelion, Daisy, Plantain, Sorrel, Chickweed, Moss, etc., in 48 hours, and without other fertilizer produces a wonderful, luxuriant, rich, green growth of lawn grasses, which is distinctly noticeable 50 feet away.

The use of Ammoniated Lawn Lime supersedes hand weeding of lawns, putting greens, etc. It saves the grass from being pulled up and in many cases ruined. Grasses take a new vigorous growth, avoiding probable trouble in future.

Quantities: If very weedy, 1 lb. to 40 square feet; 25 lbs. to 1000 square feet (20x50). Half to one-quarter amount if moderately weedy.

## Absolutely Guaranteed

Money Refunded if Not Satisfactory

PRICES: 5 lbs., 50c; 25 lbs., \$2.00; 50 lbs., \$3.50; 100 lbs., \$6.00; 1000 lbs. and over, 5c per lb. We will ship a 100-lb. bag of Ammoniated Lawn Lime at \$6.00, f. o. b. Louisville, to any superintendent of a cemetery, park or private estate where references are furnished. It is absolutely guaranteed as represented, if used as directed; if not satisfactory, we are to be notified within 30 days from date of invoice.

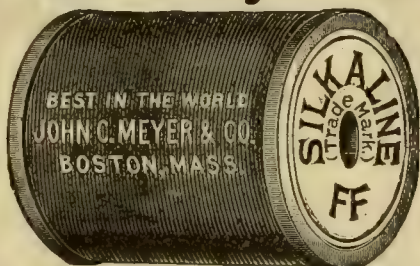
Descriptive Circular on request.

SUPERIOR CHEMICAL CO.,

Incorporated  
Manufacturers,

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## The "Meyer Green Silkline"



is the only Green Thread that should be used by florists and growers. It is guaranteed full weight and full measure.

Also Violet Thread for tying up Violets. Price of both, \$1.25 per lb.

For sale by all first-class supply houses. If your dealer does not carry it in stock, write us direct, giving us his name.

JOHN C. MEYER & CO., 1449 Middlesex St., Lowell, Mass.

## Evergreen Brand Flower Fertilizer.

A Pure Plant Food immediately available. It permanently enriches the soil. It prevents the onslaught of plant diseases or insect pests. Can be used at any time during the growing season, dry or in solution. Put up in 12 pound cans, Price, \$2.00 each.

For Sale by Leading Jobbers

Further information can be obtained from

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Manufacturers,

## The Mastin Automatic Whitewash and Spraying Machine Is Reliable, Practical and Durable



The tank is made of galvanized sheet steel, and in brass. The pump is of brass throughout, simple and powerful. The mixing device keeps the contents of the tank well stirred up from start to finish. When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

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Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

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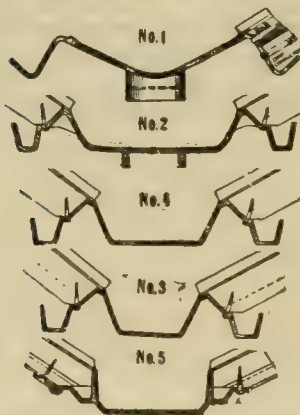
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If greenhouse lightness be obtained at the expense of structural strength, then your house is a danger trap; if your house is so heavy it shuts out the light, your crop is inferior. You must have a "happy medium," combining sufficient strength and securing the necessary lightness.

The construction that more than meets these requirements is our Iron Rafter one. Send for information.

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Ask the man who has tried them. For further particulars, write to

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Write to us about

## Materials and Plans

for any size and style of

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for new structure or repairs.

**Hot Bed Sash** In stock or any size required.

## Pecky Cypress

for benches, lasting and least expensive.

**The Foley Mfg. Co.,**

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Minneapolis.

John Monson, of the Minneapolis Floral Co., is throwing out nine houses of carnations and these are to be planted to roses exclusively. On the day of our visit John and his friend, Ralph Latham, were out on the lake after some fish and brought home a good string.

Two new retail stores are being opened, H. B. Chapman Co. at Eighth street and Nicollet avenue, and the Dykeman Floral Shop in the new Dykeman hotel.

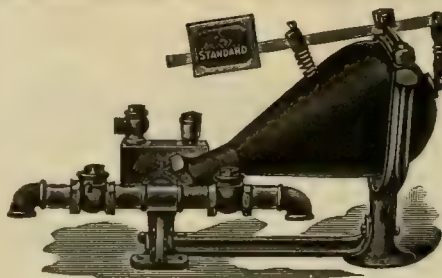
# High Quality Not High Prices

Whenever we make a piece of material it is our aim to turn out the very best that can be produced; high quality is our object for nothing else will satisfy the man who wants to build a greenhouse and make a success. There can be no success without this striving after quality; without there be an effort to produce something better than was produced before. The man who believes in selling poor stock, low class goods, and gets what he can for his work, never progresses or succeeds permanently. We are working hard to make our construction more modern, to improve our patterns and our methods of manufacture, we must keep up with the times and stand at the head of the procession or drop out of the line. Prices are to be considered of course, in everything, but it's quality that counts after all. You forget the price but you don't forget the quality—

It's not what you pay but what you get for what you pay—that is economy.

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No. 4 Greenhouse Materials.  
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No. 6 Pipe and Fittings.

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Has established a record far above that of any other trap for florists; being very simple, durable and easily taken care of.

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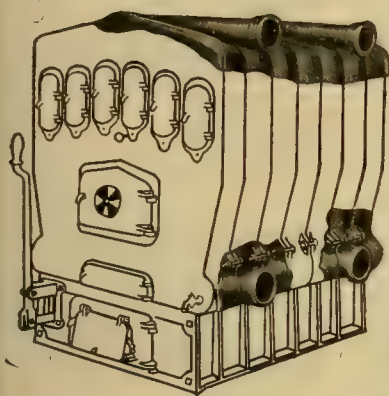
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VENTILATING  
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The 18 and 30 inch grate Burnham is also made in a broad, low design with socket openings for low flow pipe connections.

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ARE THE MOST ECONOMICAL

Boiler for Greenhouses

No Night Fireman Required  
with our

SELF-FEEDING HOT WATER BOILERS.

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## Steel Return Tubular Boilers

The Most Economical Type of Boiler for Greenhouse Heating. Highly recommended by well-known florists.

**JOHNSTON HEATING CO.,** 138 E. 31st St.,  
NEW YORK.

Spokane, Wash.

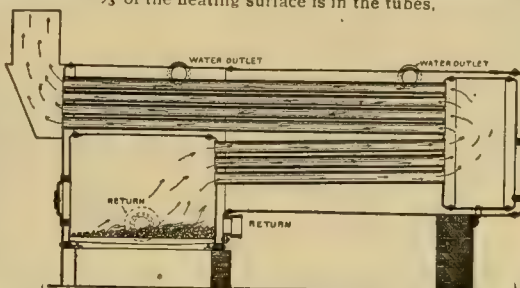
The Rose Floral Co. has recently been incorporated with \$100,000 capital stock. Frank T. Monahan is the president of the company and general manager. A large greenhouse covering an acre of ground is to be built at a cost of \$20,000 and negotiations for a downtown retail store are in progress. Besides this the company has purchased a large tract of ground near the northwestern city limits and about 40 acres will be devoted to growing cut flowers and stock for landscape work for which there is a big demand. Moninger, of Chicago, is furnishing the material for the greenhouse. This concern should not be confounded with the Rose Floral Co. of H. J. Volmer, 420 Riverside avenue, which is now, we believe, out of business. Mr. Monahan was connected with the Volmer company but not, we believe, in a financial way. The present firm appears to be on a strong basis and there is every prospect of its doing a large and profitable business.

## The Superior Standard

RETURN FLUE FIRE BOX BOILER

contains more heating surface, and less water space than any other steel boiler.  
 $\frac{2}{3}$  of the heating surface is in the tubes.

Ask the man that knows the one using different style boilers—names are yours for the asking.



After using our boiler one season, you will say like all others: Nothing but "Superior" for me.

This boiler has given better satisfaction than any other boiler on the market

MADE IN NINE (9) SIZES FOR HOT WATER.

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Mention the American Florist when writing

## The KROESCHELL BOILER

IS THE ONLY PERFECT  
HOT WATER BOILER.  
(NOT CAST IRON)

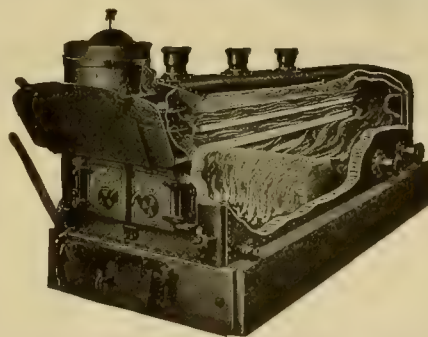
Has water in front, sides, top and a water back.

Made in 15 sizes, heating 6,000 to 50,000 square feet of glass to 60° at 15° below zero.

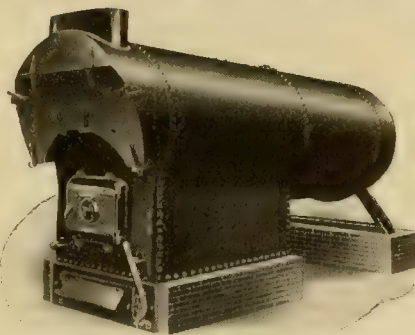
Prices and catalogue on application.

**KROESCHELL BROS. CO.**

452 W. Erie St. CHICAGO.



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## The Gem City Return Tubular Firebox Boilers

Are the most economical for Greenhouse heating.

Send for descriptive matter and prices.

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## "GREENHOUSE MATERIAL"

300,000 feet of Standard Pipe, all sizes, will be cut to any length.

### BUILDING MATERIALS AND SUPPLIES

Marvelous bargains in Greenhouse Sash and Building Material of all kinds. Corrugated Roofing and Siding, Structural Iron, Gutters, Eave Spouts, Hydrants and Valves, 10,000 feet Rubber Hose, Soil Pipe, Plumbing Material of all kinds. Feed Pumps, Flower Pots, etc. Thousands of other articles of interest to Florists or Greenhousemen. We can save you from 30% to 75%.

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**CHICAGO HOUSE WRECKING CO.,**

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**MASTICA**  
FOR Greenhouse Glazing  
**USE IT NOW.**  
**F.O. PIERCE CO.**  
12 W. BROADWAY  
NEW YORK

MASTICA is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass, as occurs with putty. Lasts longer than putty. Easy to apply.



**THE BEST**  
**Bug Killer and**  
**Bloom Saver**

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**P. R. PALETHORPE**  
**COMPANY,**  
Owensboro, Ky

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**INSECTICIDE AND FUNGICIDE**  
For the Garden, Orchard and Greenhouse  
Non-poisonous and harmless  
to vegetation.

Kills Green Fly, Aphides, Bark Lice,  
Thrips Mealy Bug, Red Spider,  
Scale, Wire Worms, Ants  
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This is the grower's friend. Handy to  
use, cheap and effective, mixe readily in  
water. Destroys all insect pests and  
keeps down filth. Circulars on applica-  
tion. \$1.50 per gallon. Also in  
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**PERFECTION CHEMICAL CO.,**  
FLUSHING, N. Y.

*green flies and  
black ones too*

are easy to kill with

The Fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back;  
why try cheap substitutes that makers do  
not dare to guarantee?

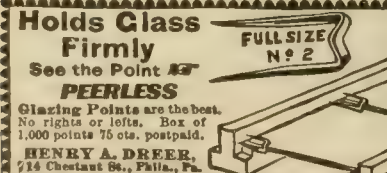
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**Superior**  
**Crimped Invisible** **Carnation Staple**

PATENT APPLIED FOR.)

For repairing split carnations. 1000 for 50 cents  
Postpaid.

L. J. WAITE, 293 Main St., Springfield, Mass.



**Holds Glass**  
**Firmly**  
See the Point  
**PEERLESS**  
Glazing Points are the best.  
No rights or lefts. Box of  
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Quality A. No. 1. Prompt shipments.

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Mended.  
No tools required.

Pillsbury Carnation Staple

2000 for \$1.00 postpaid.

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and insure your glass before it is broken.

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Galvanized Wire Rose Stakes and Tying Wire

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Manufacturers of the Model Plant Supports for  
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10,000, \$1.75; 50,000, \$7.50. Manufactured by

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We Manufacture all Our

Metal Designs, Baskets, Wire Work,  
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ware, Pottery, Decorative Greens and  
all Florists' Requisites.

## Greenhouse Construction.

By L. R. TAFT.

A complete treatise on greenhouse structure  
and arrangements of the various forms and  
styles of plant houses, for professional florists  
as well as amateurs. All the best and most  
improved structures are clearly described. The  
modern and most successful methods of heating  
and ventilating are fully treated upon. Special  
chapters are devoted to houses used for the grow-  
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210 pages. 5x7 inches. Cloth \$1.50.

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**GLAZING POINTS**  
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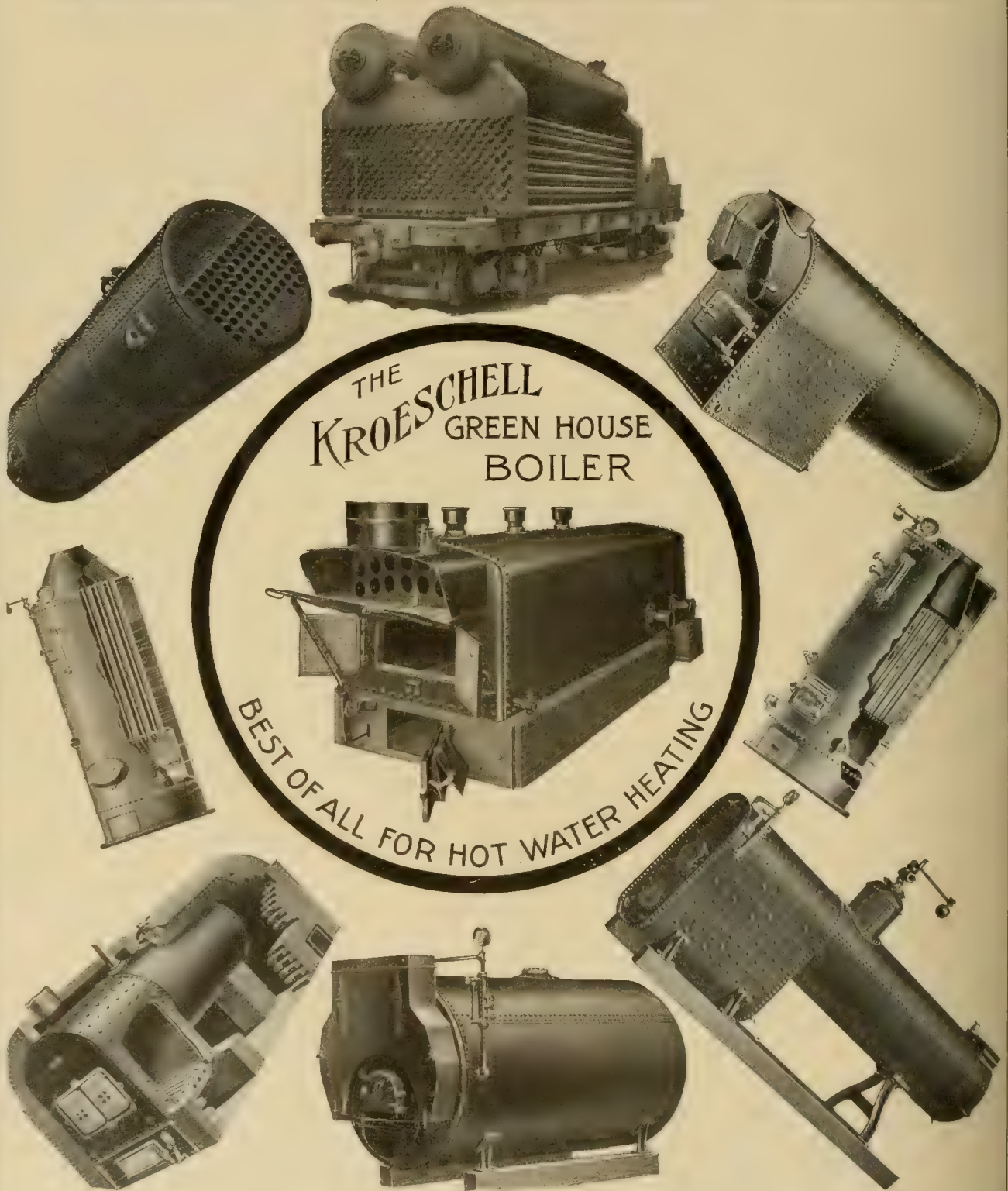
## BOSTON ORCHID SHOW

Greenhouse Construction  
Greenhouse Heating



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WE MAKE EVERY KIND OF BOILER KNOWN, FROM THE THE SMALLEST TO THE LARGEST, EOTH STEAM AND HOT WATER.



There is no boiler in the world today that can compare with our 1910 Model Greenhouse Boiler for hot water heating. The Kroeschell Greenhouse Boiler was installed to heat over 9,000,000 square feet of glass during the past four years, and it replaced over 1500 cast iron boilers in the short period of six years.

We have no agents; all boilers sold direct to the user—you save the dealer's profit.

## —SPECIALS FOR GREENHOUSES—

### KROESCHELL GREENHOUSE BOILER

Honestly rated—and burns hard coal—soft coal, gas or wood.

### THE KROESCHELL GENERATOR

Gives more pressure than others, and holds it.

### KROESCHELL PIPING SYSTEMS

Better than ¼-in., 1½-in., 2-in., or 4 in. cast iron pipe.

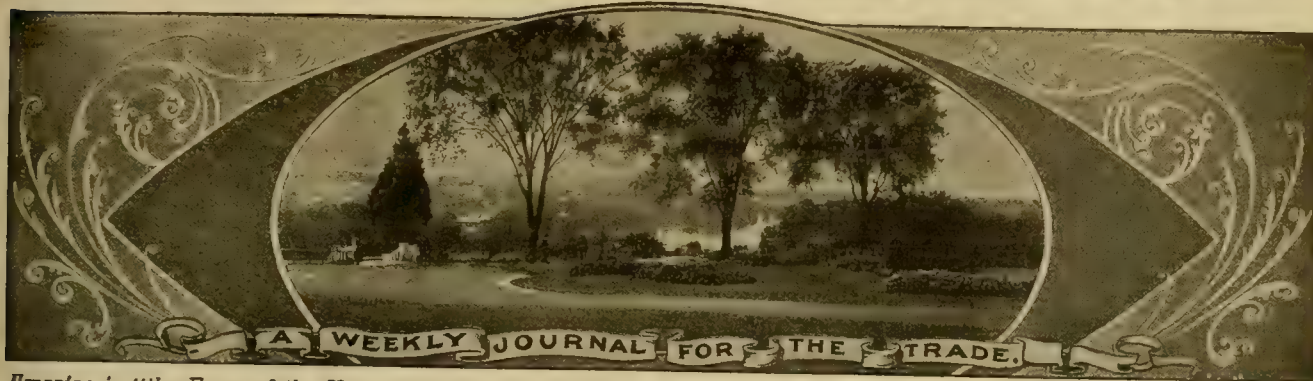
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**KROESCHELL BROS. CO.,**

**452 West Erie Street, CHICAGO, ILL.**



# THE AMERICAN FLORIST



*America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."*

Vol. XXXIV.

CHICAGO AND NEW YORK, JUNE 4, 1910.

No. 1148

## THE AMERICAN FLORIST

TWENTY-FIFTH YEAR.

Copyright, 1910, by American Florist Company.  
Entered as Second-Class Matter Nov. 11, 1891,  
at the Post Office at Chicago, Illinois,  
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

**AMERICAN FLORIST COMPANY,**

324 Dearborn St., Chicago,

Long Distance Phone: Harrison 7465.

Eastern Office: 1133 Broadway, New York.

Philadelphia, Pa.: Robt. Kift, 1725 Chestnut St.

Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a  
year; Canada, \$2.00; Europe and Countries  
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accepted only from the trade. Vol-  
umes half yearly from August, 1901.

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American Florist Co., 324 Dearborn St., Chicago.

### SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

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WM. F. KASTING, Buffalo, N. Y., Treas. Next  
meeting at Rochester, N. Y., August 16-19, 1910.  
Second National Flower Show, Boston, Mass.,  
March, 1911.

### CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition, in conjunc-  
tion with the Morris County Gardeners' and  
Florists' Society, Morristown, N. J., November  
2, 3 and 4, 1910. ELMER D. SMITH, Adrian, Mich.,  
President; C. W. JOHNSON, Morgan Park, Ill.,  
Secretary.

### THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at  
Boston, Mass., March, 1911. FRED. BURKE,  
Pittsburg, Pa., President; A. F. J. BAUR, Thirty-  
eighth St. and Senate Ave., Indianapolis, Ind.,  
Secretary.

### AMERICAN PEONY SOCIETY.

Seventh annual meeting at Horticultural Hall,  
Boston, Mass., June 9-10, 1910. B. H. FARR,  
Reading, Pa., Pres.; A. H. FEWES, Newton  
Highlands, Mass., Sec'y.

**Turn Your Surplus  
Stocks Into Cash  
By Advertising in the  
Ready Reference  
Department.  
See Page 931.**

## THE GREAT ORCHID EXHIBITION AT BOSTON

### Julius Roehrs Co. Wins Big Prize.

The great orchid exhibition, held under the auspices of the Massachusetts Horticultural Society, opened in Horticultural Hall, Boston, on the evening of May 26. Grand in its conception, it may be truly said that in the quantity and quality of stock exhibited, in the arrangement and careful attention to details the results were magnificent. Never before, in this country, and possibly in no other, was there gathered under one roof such a beautiful and varied collection of orchids, therefore, to the Massachusetts Horticultural Society and its able committee and equally to the exhibitors, congratulations are in order.

Without casting any reflections on previous exhibitions of roses, carnations, chrysanthemums and mixed stock, it should here be noted that the arrangement of an exhibition of this kind was a herculean task compared with them. We have used the word arrangement; building or construction would be more appropriate for the leading prize-winning exhibits, to bring them as near as possible to natural conditions were literally built up, piece by piece, until finally brought to one beautiful and harmonious reality, surpassing the dreams of novelists and romancers.

There were many specimen plants, the size and beauty of which were a revelation, even to many florists, who have not familiarized themselves with orchid growing as it is now practiced by the experts. In addition to the great display of the commercial varieties, there were many altogether unknown to the average commercial dealer. To prove the above it may be stated that one firm exhibited 180 varieties; another 160.

The gold medal and \$1,000 prize was won by the Julius Roehrs Co., Rutherford, N. J. This display called for 400 square feet of space. Against the brick wall of the lower hall light shelves were erected, tier above tier and sloping backwards to the height

of 20 or more feet, palms being used as a background. A large tree fern was used as a centerpiece and to its trunk moss covered pots of beautiful and gracefully drooping odontoglossums and others of similar habit were secured in a most artistic manner. Others of the same genus, the pots concealed among the palms, were freely distributed throughout the background. The remainder of the 400 square feet of space was a continuous and effective arrangement of cattleyas, denbrobiums, oncidiums, phalaenopsis and the many others which this noted exhibit contained.

Lager & Hurrell, Summit, N. J., were also contestants for the gold medal and \$1,000 prize and their exhibit adjoined that of the Julius Roehrs Co. It was arranged, necessarily, on account of space and location, much on the same general plan, but with some variations in background and centerpiece. The exhibit of this firm was admirable and of great variety.

On the opposite side of the hall W. A. Manda, South Orange, N. J., had a beautiful and novel exhibit. He had also, in the upper hall, a fine exhibit of cut stock and specimen plants.

The exhibit of Chas. G. Roebbling, (James Goodier, gardener), Trenton, N. J., which took the silver medal and \$500 prize, was located in the center of the upper hall. It was in the form of a summer house, wires covered with *Asparagus plumosus nanus* being strung overhead with ferns at various points on the ridge. The orchids were banked around the sides and placed on tables in the interior, a number being suspended from the roof as a canopy.

In section No. 2, which called for 150 square feet of space, commercial growers excluded, the exhibit of E. B. Dane, Brookline, Mass. (Donald McKenzie, gardener), and Walter Hunnewell, Wellesly, Mass., (T. D. Hatfield, gardener), which took first and second prizes respectively, were both



clever groupings of orchids and foliage plants.

The display of cut orchids, ferns and foliage plants in section No. 5, by J. A. Manda, West Orange, N. J., which took first prize, though occupying comparatively small space was generally conceded to be a masterpiece of arrangement in addition to the fine stock which it contained.

The exhibit of J. T. Butterworth of South Framingham, Mass., of specimen orchids was very creditable and was awarded a special prize of \$25.

While the orchids were, so to speak, the star attractions, there were many other fine exhibits. The center of the lower hall was made beautiful by a collection of immense azaleas arranged under the direction of an expert landscape gardener. These were exhibited by Professor Sargent, Brookline, Mass. (Chas. Sanders, gardener). At the end of the hall a number of immense and beautifully flowered rhododendrons were staged. These were exhibited by Walter Hunnewell of Wellesly, and Dr. C. G. Weld of Brookline (G. Rust, gardener). They were surrounded by a fine collection of *Cocos Weddelliana*, grown at the Le Lion Nursery, Belgium.

R. & J. Farquhar's exhibit of Chinese plants was noteworthy. Chas. Roland, Nahant, Mass., made a fine exhibit of new varieties of hydrangeas. Edward A. Clark of Jamaica Plain, Mass., made a fine exhibit of flowering and foliage plants, arranged in pyramidal form and bordered with beautiful, well flowered plants of *Calceolaria rugosa*. Walter Hunnewell had a good exhibit of *Fuchsia Black Prince*.

The Waban Conservatories, Natick, Mass., exhibited a vase of White Killarney roses that were remarkable for size and bloom and length of stem. Wm. Sim, Cliftondale, Mass., exhibited a splendid collection of sweet peas. Duncan Finlayson of the Weld Gardens, Brookline, Mass., a novel collection of campanulas (Canterbury bells).

Henry A. Dreer, Philadelphia, exhibited 69 varieties of hybrid tea roses. John Lewis Childs, Floral Park, N. Y., exhibited gladioli. The Mount Desert Nurseries, Bar Harbor, Me., exhibited *Nephrolepis Milleri*, a new and promising fern. There was a beautiful display of palms and foliage plants from the Harvard Botanical Gardens, Cambridge. Thos. Meehan & Sons, Inc., Germantown, Pa., exhibited a collection of Japanese maples, golden privet and pæonies.

The following acted as judges of the exhibits: Oakes Ames, North Easton, Mass.; Arthur Herrington, New York; Alfred Lovelace, Lenox, Mass.; T. D. Hatfield, Wellesley, Mass.; J. E. Rothwell.

#### Official List of Awards.

Display of orchids (plants in bloom) arranged for effect, embracing at least 20 genera—Julius Roehrs Co., Rutherford, N. J., first; C. G. Roebing, Trenton, N. J., second; Lager & Hurrell, Summit, N. J., third.

Display of orchids (plants in bloom) arranged for effect, embracing at least 10 genera—E. B. Dane, Brookline, Mass. (D. McKenzie, gardener), first;

Walter Hunnewell, Wellesley, Mass. (T. D. Hatfield, gardener), second.

Best recently introduced orchid (plant) not previously exhibited in the United States—Lager & Hurrell, White Cattleya gigas.

Best new seedling orchid not previously exhibited in the United States—Julius Roehrs Co., Cattleya Dusseldorfii.

Largest and best display of cut orchids arranged with ferns and other foliage—Joseph Manda, East Orange, N. J., first; W. A. Manda, South Orange, N. J., second.

Collection of cut orchids of new varieties not before exhibited in the United States—W. A. Manda.

Group of flowering and foliage stove or greenhouse plants arranged for effect—Julius Roehrs Co., first; Edward MacMulkin, Quincy, Mass., second.

Stove or greenhouse plant in bloom, not previously exhibited in the United States—Thomas Roland, Nahant, Mass.

Coniferous plant, not yet disseminated, likely to be hardy in Massachusetts—W. A. Manda, with *Juniperus* species.

Six orchids, distinct genera—Julius Roehrs Co., first; Mrs. B. B. Tuttle (M. J. Pope, gardener), Naugatuck, Conn., second.

Three orchids, distinct genera—W. A. Manda, first; J. T. Butterworth, South Framingham, Mass., second.

Three cattleyas, distinct species—W. A. Manda, first.

Specimen cattleya, any species—J. T. Butterworth, first, with *Cattleya Mossiæ Reineckiana*, and second with *C. Mossiæ* Mrs. Butterworth.

Specimen cymbidium—Weld Garden, Brookline, Mass. (Duncan Finlayson, gardener), first; W. A. Manda, second.

Three cypripediums, distinct species—Julius Roehrs Co., first.

Specimen cypripedium—Dr. C. G. Weld, first.

Specimen dendrobium—Weld Garden, first; Julius Roehrs Co., second.

Six miltonias—Walter Hunnewell, first; J. T. Butterworth, second.

Specimen miltonia—J. T. Butterworth, first; Walter Hunnewell, second.

Six odontoglossums, not less than three species—Julius Roehrs Co., first.

Specimen odontoglossum—Walter Hunnewell, first; J. T. Butterworth, second.

Specimen oncidium—Mrs. B. B. Tuttle, first; Julius Roehrs Co., second.

Specimen vanda—Howard Gould, Port Washington, N. Y. (Harry Turner, gardener), first.

Specimen orchid, any genus not otherwise provided for in the schedule—Col. Chas. Pfaff, South Framingham, Mass., first; Mrs. B. B. Tuttle, second.



CATTLEYA GIGAS ALBA

The Unique Albino Exhibited by Lager & Hurrell at the Boston Orchid Show.





JULIUS ROEHRS CO.'S GOLD MEDAL AND \$1,000 GROUP AT THE BOSTON ORCHID SHOW, COVERING 400 SQUARE FEET

Best specimen orchid in the exhibition—Julius Roehrs Co., with *Cattleya Mossiae*.

Group of flowering and foliage stove or greenhouse plants arranged for effect—Julius Roehrs Co., first; Edward MacMulkin, second.

Best species of stove or greenhouse plant in bloom, not previously exhibited in the United States—Thos. Roland, first.

Gratuities: J. T. Butterworth, group of orchids; Mrs. J. L. Gardner, Brookline, Mass., group of orchids; G. L. Freeman Co., Fall River, Mass., display of cut orchids; W. A. Riggs, group of flowering and foliage plants; Waban Rose Conservatories, Natick, Mass., White Killarney rose; Edward MacMulkin, decoration of orchid and flowering plants; Dr. C. G. Weld, specimen azaleas; M. A. Patten & Co., Tewksbury, Mass., display of carnations; Mrs. H. F. Durant, Wellesley, Mass., *Statice Holfordii*.

Gold medals: Julius Roehrs Co., group of Brasso-Cattleya; Robert Cameron, Cambridge, Mass., group of stove and greenhouse plants; Prof. C. S. Sargent, Brookline, Mass., collection of azaleas; R. & J. Farquhar & Co., Boston, Mass., group of shrubs and climbers from Japan; Thos. Roland, new Japanese hydrangeas.

Silver medals: J. T. Butterworth, group of orchids; Gen. S. M. Weld, specimen rhododendron; Walter Hunnewell, specimen rhododendron; Establishment Horticole le Lion, Gand, Belgium, collection of *Cocos Weddelliana*; T. D. Hatfield, Wellesley, Mass., superior cultivation of fuchsias; Duncan Finlayson, Brookline, Mass., group of Canterbury bells and other plants; Thos. Roland, collection of hydrangeas; Chas. Sanders, Brookline, Mass., collection of new single tree peonies; Wm. Sim, Cliftondale, Mass., collection of sweet peas; Henry A. Dreer, Philadelphia, Pa., collection of hybrid tea roses.

Bronze medals: Mrs. J. L. Gardner, group of orchids; N. F. Comley, collection of sweet peas.

First class certificate of merit: R. & J. Farquhar & Co., Begonia Pink Beauty; Waban Rose Conservatories, White Killarney rose; Mount Desert Nurseries, Bar Harbor, Me.; Nephro-

lepis Milleri; G. L. Freeman Co., potting materials.

Honorable mention: G. L. Freeman Co., collection of orchids; W. W. Rawson & Co., Boston, Mass., collection of tulips; R. & J. Farquhar & Co., Pelargonium Ostergruss, Geranium Mrs. Chas. Pfaff, and seedling iris; Julius Roehrs Co., Croton Fred Sander; Howard Gould, Malmaison carnations; Thos. Meehan & Sons, Philadelphia, Pa., collection of Japanese maples, peonies and golden privet; John Lewis Childs, Floral Park, N. Y., exhibit of gladioli.

#### Notes.

Though overshadowed by the big displays, the specimen plants, singly and in small groups were very noteworthy. This was particularly true of the gigantic *Cattleya Mossiae* exhibited by the Julius Roehrs Co.; *C. gigas* and dendrobiums by W. A. Manda; cymbidiums by the Weld Gardens, Brookline, Mass., Duncan Finlayson, gardener; cymbidiums from Dr. C. G. Weld, Brookline; *miltonias* from J. L. Butterworth, South Framingham, Mass., and *oncidiums* from Mrs. B. B. Tuttle, Naugatuck, Conn., M. G. Pope, gardener.

A plant that was an object of marked interest in the collection of Lager & Hurrell was a pure white variety of *Cattleya gigas*, which they value at \$5,000. Though it is now many years since this *cattleya* was first discovered, this is said to be the first pure white specimen ever found. Another striking feature of this firm's exhibit was *Dendrobium thyrsiflorum*, which, while not in the class of *C. gigas*, is nevertheless fine for display purposes.

Jas. A. Newsham of the Magnolia Nursery, New Orleans, La., was on the ground throughout the whole show. Mr. Newsham is a heavy importer of orchids, having his collectors largely in Central America. His young son, 16 years old, recently made a trip into the perilous regions where orchids

are found and came back with the goods.

I. Rosnosky, representing the H. F. Michell Co., Philadelphia, was on hand with a supply of jointed foot rules, which he distributed to worthy persons. Thanks, "Rosky," they will come handy to measure the chrysanthemums in the fall.

A writer for a "yellow" horticultural journal has been telling a reporter for a Boston newspaper that most anybody can grow orchids. So they can, brother, so they can—if they know how!

In reviewing the awards it appears that New Jersey captured the best things and we trust that nobody will hereafter revive that stale joke about it being a "foreign country."

There are people among the general public who used to think that orchid was a misprint for orchard. It will not take many shows like this one to enlighten everybody.

We hate to strike a blow at a great and established industry, but it is a fact that Boston beans don't taste as good as they did when we were boys.

Robt. Craig, Philadelphia, was an early visitor. His is a familiar figure at exhibitions and he is always the center of an interested group.

An interested as well as an interesting visitor was Geo. Field of Washington. He has for years been a successful grower of orchids.

The music of the Boston philharmonic orchestral club was a largely contributing feature to the enjoyment of the exhibition.

The McRorie-McLaren Co., San Francisco, Calif., sent a contribution to the show, in the way of some new and rare orchids.

Julius Roehrs celebrated his victory with a large party of friends at the Parker house Thursday evening.

Robt. Cameron is equally at home





LAGER &amp; HURRELL'S PRIZE GROUP AT THE BOSTON ORCHID SHOW, COVERING 400 SQUARE FEET.

in superintending a botanical garden or an exhibition.

New York is responsible for that story of the performing orchids. Chicago and Philadelphia always knew better, and Boston, with an orchid show to her credit, is now safe.

George Watson said that *Brassavola Digbyana* always reminded him of a Skye terrier, and this as we went out to lunch.

The number of species and varieties represented in the various orchid displays was conservatively estimated at 500.

P. Welch is writing a new song, "Come Back to Boston, Algernon, Algernon," which will be out soon.

John Farquhar and Robert Cameron were responsible for the excellent arrangement of the exhibits.

"I don't know" is obsolete among Bostonians. They now say, "I can't tell you."

There are no skeeters on Jersey orchids.

#### Visitors.

The following were among the visitors noted:

John T. Allen, Newport, R. I.  
Oakes Ames, North Easton, Mass.  
Chas. Anderson, Lowell, Mass.  
Chas. H. Atkins, of Bobbink & Atkins, Rutherford, N. J.  
Geo. E. Baldwin, of Carrillo & Baldwin, Mamaroneck, N. Y.  
H. Barker, Chicago.  
M. A. Barnard, representing Stuart Low & Co., London, Eng.  
Leonard Barron, New York.  
Wm. C. Barry, Rochester, N. Y.  
A. T. Boddington, New York.  
Wm. E. Cahill, New York.  
Arthur Cowee, Berlin, N. Y.  
Robert Craig, Philadelphia, Pa.  
J. Curnow, Akron, O.  
Robt. De Schryver, Holyoke, Mass.  
B. Dolby, Dalton, Mass.  
Wm. Duckham, Madison, N. J.  
Peter Duff, Orange, N. J.  
A. Farenwald, Philadelphia, Pa.  
A. F. Faulkner, representing the American Florist, New York.  
Geo. Field, Washington, D. C.  
Conyers B. Flen, Jr., representing Thos. Meehan & Sons, Germantown, Philadelphia, Pa.

A. Forbes, Newport, R. I.  
James Goodier, Trenton, N. J.  
Harry Gould, Philadelphia, Pa.  
Arthur Griffin, Newport, R. I.  
R. Grimrod, Lenox, Mass.  
Irving G. Hall, Somerville, Mass.  
A. G. Handel, Orange, N. J.  
T. D. Hatfield, Wellesley, Mass.  
John S. Hay, representing Henry A. Dreer, Philadelphia, Pa.  
Joseph Heacock, Wyncote, Pa.  
Thos. W. Head, Groton, Conn.  
F. Heeremans, Lenox, Mass.  
I. S. Hendrickson, Floral Park, N. Y.  
Arthur Herrington, New York.  
Henry Hurrell, Summit, N. J.  
E. A. Jenkins, Lenox, Mass.  
A. Junge and wife, Secaucus, N. J.  
Prof. L. B. Judson, Ithaca, N. Y.  
R. Karlstrom, South Orange, N. J.  
H. Komitsch and wife, Secaucus, N. J.  
John E. Lager, Summit, N. J.  
Thos. W. Logan, Jenkintown, Pa.  
Alfred J. Loveless, Lenox, Mass.  
S. R. Lundy, representing W. A. Manda, San Francisco, Calif.  
D. Macrae, Providence, R. I.  
Joseph Manda, East Orange, N. J.  
W. A. Manda, South Orange, N. J.  
Chas. H. Maynard, Rutherford, N. J.  
J. B. McArdle, New York.  
James McManus, New York.  
T. Mellstrom, representing Sander & Sons, New York.  
Victor Morgan, Rutherford, N. J.  
Geo. Morrison, Uplands, Baltimore, Md.  
F. Mounicy, South Orange, N. J.  
J. A. Mulier, representing Julius Roehrs Co., Rutherford, N. J.  
Jas. N. Newsham, New Orleans, La.  
Alphonse Pericat, Philadelphia, Pa.  
F. R. Pierson, Tarrytown, N. Y.  
Andrew Pow, Newport, R. I.  
Max Richter, Rutherford, N. J.  
Colin Robertson, Newport, R. I.  
C. G. Roebbing, Trenton, N. J.  
Edward Roehrs, Rutherford, N. J.  
Julius Roehrs, Rutherford, N. J.  
Julius Roehrs, Jr., and wife.  
Winifred Rolker, New York.  
I. Rosnosky, representing Henry F. Michell Co., Philadelphia, Pa.  
J. E. Rothwell.  
Herman Schoelzel, wife and daughter, New Durham, N. J.  
Oscar Schultz, Newport, R. I.  
Vernon L. Sherwood, representing Mt. Desert Nurseries, Bar Harbor, Me.  
Theo. Shober, Wyncote, Pa.  
Wm. Spillsbury, Woburn, Mass.  
G. W. Strange, Summit, N. J.  
Geo. F. Struck, representing Knight & Struck, New York.  
Jas. Stuart, Mamaroneck, N. Y.  
Geo. Stumpp, of Stumpp & Walter Co., and wife, New York.  
Chas. Totty, Madison, N. J.  
Frank Traendly, New York.  
Harry Turner, Port Washington, N. Y.  
Jno. Urquhart, Newport, R. I.  
Geo. Watson, Philadelphia, Pa.  
Chas. Weathered, New York.  
A. H. Wingate, Lenox, Mass.

## ORCHID NOTES.

### Orchids for Decoration.

SEE SUPPLEMENT WITH THIS ISSUE.

It will hardly be denied that cattleyas alone, the orchids most grown for cutting in this country, are not the best of flowers for light and effective decorations, though they are exquisite when used in conjunction with others. Some of the long, graceful flower spikes of the *oncidiums*, *calanthes*, *odontoglossums*, *miltonias* and others are excellent for associating with the heavier flowers of cattleyas, while the well known *Dendrobium Phalaenopsis* and other members of this genus are showy and bright when judiciously used. *Phalaenopsis* again is a beautiful genus for cutting and the flowers are lasting and exquisite in every way. Then we have the bright red *Epidendrum Voiteillum* and *Sophranitis grandiflora*, the showy little *masdevallias* and such species as *Laelia harpophylla* and *L. cinnabarina* all some effective shade of red or orange or the two in mixture to liven up the more neutral tints of the commoner orchids.

There is in short no lack of variety if it were only grown, but the commercial orchid grower rightly fights shy of many of these as he knows they would not be in sufficient demand to recoup him for his trouble and the money spent on them. Orchids are difficult flowers to arrange properly so as to get the best results—or at least they want different treatment to almost any other family of plants. In a general way a decorator is safe in showing the flowers in the way they grow naturally, so that the flower looks out at you for every orchid has a most attractive natural pose and much of its beauty is lost if the flowers are allowed to face any other way. As a rule no other flowers



should be mixed with orchids though lily of the valley is frequently so used with good effect, the pure white graceful spikes contrasting well with such flowers as cattleyas. As to green almost anything of a light nature can be used. *Asparagus plumosus* is excellent for use with the smaller, brighter colored species and varieties while *Adiantum Farleyense* is the green "par excellence" for associating with the heavier, lighter colored cattleyas. In this as in other decorative work a good deal has to be left to the taste of the decorator and a natural taste for graceful arrangement and a good eye for color blending are useful.

#### Packing Cut Orchids for Shipment.

Notwithstanding the long lasting qualities of orchids generally the substance of the flowers is of such a nature that they are easily injured by rubbing against each other, or against the boxes in which they are packed, in transit. This makes careful packing absolutely necessary if the flowers are to arrive at their destination in good condition. Perhaps the worst material in the world for packing cut flowers in is cotton wadding, yet it is even now, despite all that has been written and said against it, used frequently, and it is no uncommon sight to see the commission men busy picking out the wooly rubbish from among the petals of gardenias, orchids and other choice flowers, showing that they have been in contact with it. Now as a buffer or cushion to flowers, with oiled paper or something else between them to keep them apart, there can be no serious objection to the wadding though slightly damp sphagnum moss is a far better and cheaper thing. But wherever the cotton comes in direct contact with deli-

cate flowers there is almost sure to be discoloration of the petals.

For cattleyas nothing is so good as shallow flat boxes of wood, only just heavy enough to carry safely and take a single layer of flowers. A little damp moss should be placed in the bottom and this covered with oiled paper allowing the latter to come up the sides and long enough to turn back over the flowers when placed. The flowers must then be laid in lines, closely but not crowded, and, as soon as one layer across has been put in, moss wrapped in paper should be laid over the stems and a cleat placed over this. The cleat can either be lightly nailed through the end or tied through the bottom. We prefer the latter as the flowers are not so liable to injury when removing them from the box by cutting the strings at each end as when nailed cleats are used. Follow this up until the box is filled, carefully placing strips of oiled paper over each layer of stems for the next layer of flowers to rest on. When finished bring the paper from the sides over onto the flowers and the package is ready for the lid. But always see that the flowers are well covered with the paper as it keeps out dust. Cattleyas or other orchids packed this way are absolutely safe. The boxes may be turned upside down or thrown about in any way but the flowers are perfectly safe and cannot be injured if the work has been carefully carried out.

Other flowers, such as carnations, peonies and roses may be packed in layers one above the other and the firm manner of their packing will prevent them tossing about and bruising but we do not advise this method for orchids of any kind. In fact, it would be a fatal mistake for the petals would crush and the flowers be totally useless on arrival. *Cypripediums*

may be treated similarly to cattleyas but flowers with longer spikes like *phalaenopsis*, *oncidiums* and *vandas* will have to be secured at more than one place. But the idea is the same. Let the flowers face upwards, secure them so that they cannot possibly move about in transit and see they are well covered on all sides with the soft, yielding oiled paper and all will be well. It costs a lot of money to grow good orchids and it is well worth while to take care of them after they are grown. Suitable labels with instructions plainly printed upon them to keep the flowers from extremes of temperature should always be used and while leaving time enough before trains to prevent any hurry, always have everything in readiness and pack just at the right time so the boxes will not have to lay around waiting for train time.

#### Orchids as Commercial Cut Flowers.

If the average orchid grower, who has a knowledge of the wonderful variety contained in this great family, were asked if he could name 50 kinds that are good for cutting he would probably say yes. Doubtless he could, but not one-half of these could be profitably grown and sold commercially. The number of orchid species that can be so grown is, in fact, remarkably small. The cattleyas known as the labiata group, consisting of the autumn flowering *C. labiata*, *C. Trianae*, *C. Mendelii*, *C. Schroderae*, *C. Mossiae*, *C. Gaskelliana*, *C. gigas* and one or two others not so well known, are the cream of commercial orchids for cutting without a doubt. Their great beauty and the fact that a nearly constant succession of blooms can be kept up by growing the different species are largely responsible for this. Besides this, these cattleyas are



W. A. MANDA'S GROUP AT THE BOSTON ORCHID SHOW, COVERING 400 SQUARE FEET.



among the easiest of all orchids to grow and thrive well under the somewhat rough and ready conditions of the ordinary commercial place. They grow and flower freely under conditions that would be death to the more sensitive *phalænopsis* and other plants equally or even more beautiful and just as useful for cutting.

Outside the labiata section of this genus we have the upright growing species of which *C. Loddigesii* (Harrisonia), *C. Bowringiana* and *C. Skinneri* are perhaps the best known examples. They are not so popular as the labiatas nor so large flowering, but they are beautiful and attractive and sell well when labiatas are short; *Loddigesii* in spring before *C. Mossiae* is ready and *Bowringiana* in fall. Then we have the *lælias*, near relatives of the cattleyas, with only slight botanical differences to separate them. The Mexican kinds, of which *L. anceps* and *L. autumnalis* are best known, are best for cutting, the flowers occurring on long slender spikes that make them useful for many kinds of decoration. They do not, however, last so well as the cattleyas and for this reason will never probably be as popular in the market. There are one or two of the Brazilian kinds too, with a cattleya-like habit such as *L. purpurata* and *L. elegans* that ought to sell well but they are comparatively untried as yet.

In cypripediums the old *C. insigne* is the standby for cutting. The flowers of this fine old orchid last remarkably well, both on the plant and in a cut state, and can be used over and over again. This, too, is extremely easy to grow and no one with a fair knowledge of plant culture need be afraid to tackle it. Other species sometimes seen on the cut flower markets are *C. barbatum* and *C. villosum* besides a number of hybrids, of doubtful parentage, perhaps, but undoubted vigor and freedom of flowering. Then we have the dendrobiums. There are numbers of beautiful orchids among these, bright, showy and free flowering plants that are worthy a place in any collection but they are not commercial varieties. Take away the pure white *Dendrobium formosum* and the showy *D. Phalænopsis* and there is hardly another species that one would care to invest in as a commercial cut flower.

*Vanda cœrulea* is a fine orchid for cutting and one that seems popular on most markets. If it was grown cooler and the best blue varieties selected there would be many more sold, for it cannot be denied that many of the varieties grown would be better described as dirty white than blue. It is a beautiful plant in its best forms and one that will always be popular. The moth orchids or *phalænopsis* are undoubtedly beautiful and when the flowers are produced they sell well. But the plants will not put up with the rough treatment many of the others named get along with. The leaf system of these orchids is very sensitive to changes of temperature and atmospheric conditions, and it is not at all unusual for a grower to find that the leaves put on with so much care and trouble in summer are checked by some means in winter and fall off in spring. But a careful

grower who understands his plants should make money out of *phalænopsis*.

There are several *oncidiums* that are more or less popular in the market and there are others that would probably make their way if they were grown. *O. varicosum* and its variety *Rogersii* are two of the most popular, the variety being much larger than the type though the type is frequently sold for it. *O. tigrinum* is also occasionally seen, the bright yellow, violet scented flowers being most attractive. The variety *ungiculatum* produces flowers that are not so good individually but the spikes are longer and looser and better fitted for table work. They usually flower in November and December. Other species occasionally seen in the markets, but which should be tried out with caution, are *O. Mar-*

if their culture were taken up with anything like spirit there would be money in them for a demand for table and similar decorations already exists and could be increased. *C. Veitchii* and the different varieties of *C. vestita* are only kinds cheap enough to grow in quantity. They are easy to do and never fail to flower finely. While the above by no means exhausts the list of orchids that may be grown for cut flowers we think that they may well be described as the cream of those likely to be a success from a money point of view as cut flowers.

Speaking of growing orchids on a commercial basis, there is no doubt as to its paying as long as prices keep up as they are and there is every probability they will do so. Growers, in fact, will be studying their best in-



CATTELEYA HOUSE AT JOSEPH HEACOCK CO.'S, WYNCOTE, PA., 25 X 250 FEET.

*Cattleya Mossiae* is the Species in Flower.

*shallianum*, *O. sarcodes*, *O. flexuosum*, *O. crispum* and *O. Forbesii*. All are beautiful but as purely commercial orchids we would advise the beginner to go slow with them. Totally distinct from all other orchids are the *calanthes*. They are grown to some extent for cutting and we believe that

terests if they keep prices up and do not sell below a certain figure for just as soon as orchids become the property of anyone with a few cents to spend the better class of patrons will leave them alone. It is far better even to let a few go to waste than to slaughter the price. Then it is quite



easy to keep the flowers for a considerable time. Unlike a rose or a carnation, which has to be cut just when ready, a cattleya can be kept from one to two weeks on the plant and even then will last some time in water so, in case of a glut, they can be held. One thing is absolutely necessary before going into their culture and that is capital. It is useless starting with a few plants for with them a grower can never keep up a succession of flowers and his customers can never depend on getting them. But where there is enough money at hand to buy a good stock of plants, this will be returned in a very few years in the money taken in for the cut flowers. At an average of 40-50 cents per flower there is good money in growing cattleyas and there seems to be no good reason why this price can not be maintained for a great part of the year.

ORCHIS.

#### Heacock's Orchids.

The accompanying illustration from a photograph taken May 5, is of a portion of the cattleya house of the Joseph Heacock Co. at Wyncote, Pa. Things are not done by halves at this progressive place. When Mr. Heacock gets it in his head to grow anything, he buys it in quantity so that a whole house or several, may be devoted to its culture and enough work provided to keep an expert busy in caring for and producing something in the way of flowers, that will be a factor in the market. In this stock are now 6,000 cattleyas, established plants, which have produced a splendid cutting of flowers the past season. To this are being added 6,000 more, part of which are in and the balance on the way. These will entirely fill the house 25x250 feet. Another house 20x60 feet is devoted entirely to cypripediums which Mr. Heacock has grown for a number of years with great success. He is very enthusiastic over orchids. He admires them as a flower and says they are a success commercially as there appears to be an ever increasing demand for the flowers at all seasons.

K.

#### W. H. Elliott.

BRIGHTON, MASS., AND MADBURY, N. H.

W. H. Elliott, president-elect of the American Rose Society, has long been known as a successful grower of roses.



The Doylair New Principle Furnace.  
As Applied to Steam Boiler.

For years, too, he has been noted for the fine quality of *Asparagus plumosus nanus* and *A. Sprengeri* grown at his Brighton range. Within the past 10-12 years, as a grower of fine roses, he has achieved national prominence. His purchase of several hundred acres of land at Madbury, N. H., some 10 years ago and the subsequent erection of two great rose houses is fresh in the minds of many connected with the trade.

This enterprise has continued to prosper and no better roses are seen in the Boston market than those which come from his ranges. Killarney, Richmond, Rhea Reid and his new rose, Mrs. Humphrey Ward, are largely grown. At the Brighton range there is a great stock of fine summer rose plants coming on, notably Kaiserin and My Maryland. There, too, an immense stock of young plants is propagated and sold to the trade. Mr. Elliott is well pleased with the red rose, Rhea Reid, and says it is a money maker.

## THE ALLIED TRADES

THE new piping system introduced by the Kroeschell Bros. Co. of Chicago is finding great favor and is being installed in all parts of the United States and Canada.

THE Richards Manufacturing Co., of Aurora, Ill., is about to place on the market a light and portable soil carrier—equally valuable for use inside of greenhouses as well as taking plants to the field.

DURING the 10 months ending April 30, 1910, the exports of pipes and fittings from the United States to Canada nearly doubled over those of the same months in the previous year. The figures in pounds are 66,721,936 and 38,621,160.

#### The Doylair System of Combustion.

We have been much interested in the Doylair system of combustion, especially as applied to steam and hot water boilers. Saving coal, or, to be more correct, making every pound of coal used do its proper amount of work is a live problem for all greenhouse men. There is a proper mixture of air and gas—the gas being of course distilled from the coal—and a proper temperature at which this mixture burns, which are necessary to effect perfect combustion. These are arranged for in the Doylair system. When this proper mixture is produced there is no need of forced draught or of any draught at all from the ash pit and consequently no clinkers are formed upon the grate bars. The air needed is obtained from ducts at the side of the furnace and enters the combustion chamber above the fire. This heated air and gas combined is very even in its burning properties and at all times there is a slow but intensely hot fire in the chamber.

The coal is supplied from above and falls down as needed, that is, as it is coked by the heat of the fire below. Thus there is no need of opening and



NEW HOUSES AT THE RANGE OF WM. H. ELLIOTT, MADBURY, N. H.

The Large House is 60x1340 Feet, the Smaller One 54x812 Feet.





EXTERIOR OF THE RANGE OF W. H. ELLIOTT, BRIGHTON, MASS.

shutting fire doors and allowing cold air to rush in over the fire, wasting coal and causing black smoke to issue from the stack. There are no fire doors, in fact, in the general observance of the term, and only the requisite, steady amount of air necessary for the proper mixture is allowed to enter the fire chamber through the air ducts referred to. Besides this, air is admitted to the outlet or flue just above the boiler and this checks the suck or draught of the flue, preventing waste of fuel and consequently smoke. Now every green-houseman knows what a great nuisance the chimney stack is when belching forth great clouds of smoke. This precipitates soot which falls upon the glass keeping out light and finding its way through the ventilators to damage the flowers. All this is prevented by the use of the Doylair system, which has been thoroughly tested, not only on stationary plants, but on locomotive engines actually running, a train having been taken from the stock yards in Chicago to Argo and return, a distance of 25 miles, without any sight of smoke

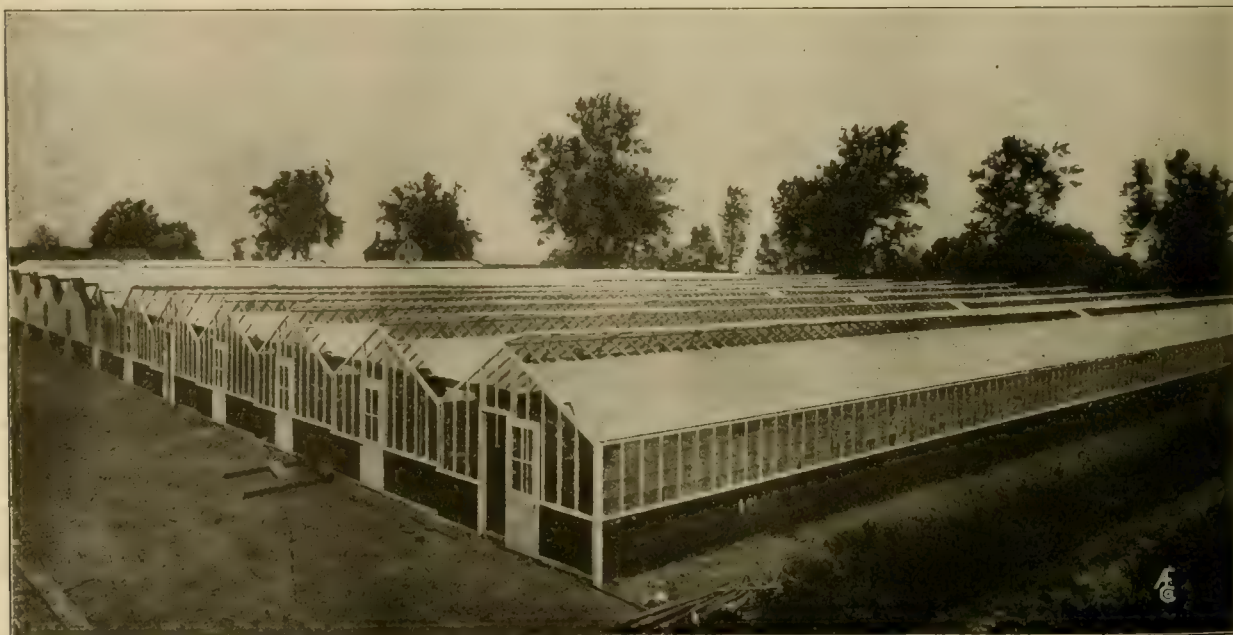
coming from the chimney and with practically no stoking.

The little amount of skilled labor needed is, in fact, one of the side issues where considerable saving is made, though even this, important as it is, cannot compare with the wonderful saving in fuel that is caused by the use of this device. The manufacturers claim that they can show, by actual working tests, a saving of 50 per cent in coal when their system is installed and properly understood, and its working is so simple that any one can manage it. Furnaces equipped this way cost very little more than the ordinary boiler and take up less room per unit of heat produced. Then its great cleanliness and the small amount of ash made, even from coal of low quality are points worth considering in regard to this device. We believe it is a thoroughly practical and excellent system and can strongly advise all who are interested to call and see it in operation at the offices of the Globe Heat Power Co., at 213 Randolph street, Chicago. This firm has its own foundry at Gibson, Ill., working full time making the castings, as well as

three other foundries working for it on contract. Besides this the company is looking out for a suitable site for another large foundry to be built specially for its needs.

#### Elliott On Large Houses.

The experience with large houses, I think, has led us all to find an increasing number of advantages and a decreasing number of disadvantages. The great advantage is the improved growing condition of the plants, resulting in much better returns from houses of this kind, caused chiefly by purer air and more even temperature. Then the superintendence and general handling of a house of this kind is much simplified over a large number of smaller houses; crops can be much better regulated and section men have a much better comparison of their success in handling stock in a house of this kind than in the separate houses. Replanting is done with less trouble in my last house than in any I have ever handled; in fact, there is an endless number of advantages that would be hard to enumerate.



HOUSES BUILT ON THE DIETSCH SHORT-ROOF CONSTRUCTION PLAN IN 1902 FOR THE H. A. DREER CO.



The disadvantages are largely structural. The houses must be strong to stand the wind pressure, outside and in. They should be kept in thorough repair to prevent leakage caused by the accumulation of water on these wide roofs. We have disadvantages, at times, in having to cart our soil a great distance. That could be largely overcome by mixing a pile of soil at both ends of the house. The heating question is one that bothers us very little; in fact, when I build again I will certainly build wider. I think, however, that 1,340 feet is long enough for any house.

W. H. ELLIOTT.

Brighton, Mass.

#### Cement Beds at the Dale Estate, Brampton.

Solid benches have long been used at the Dale Estate, Brampton, Ont., for roses, carnations and other stock and of late years simple concrete sides have been used, filling in with cinders. With considerable controversy going on as to the value or otherwise of cement benches the following communication from this well known firm is of interest:

"We are pleased to be able to say that our experience with cement benches has been even more agreeable than we anticipated. The soil seems to do better on top of the cinders, and enclosed within cement sides than with the old-fashioned method of construction. We are just throwing out the roses on twelve 350-foot cement benches, that have done excellently during the winter, and all our new construction this season, amounting to three houses each 850 feet long, will be provided with cement benches."

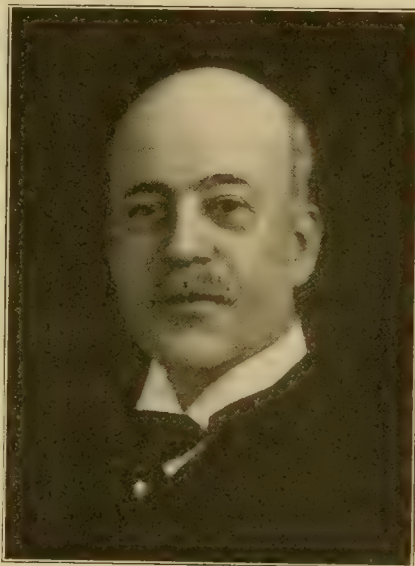
#### The 400 Series Sectional Boilers.

The demand for a large capacity boiler, one that will heat a great amount of pipe and yet take up only a moderate space, has been met by Giblin & Co., Utica, N. Y., in the introduction of the "400 Series" sectional boiler. This boiler is chiefly remarkable for the enormous amount of heating surface coming in direct contact with the fire or the heated gases produced in combustion. The draft is indirect, consequently scarcely any heat is wasted. Much of the heating surface hangs directly in and in actual contact with the flame, and the combustion chamber is formed by heating surfaces. There are also eight long flues directly over the fire box and four indirect flues through all of which the heated gases have to travel, losing to the water on their way the greater part of their heat before they get to the chimney and thus securing the greatest possible amount of heat from the fuel used. The front and rear sections are each made in one piece, which gives great rigidity to the boiler and the clean-cut doors are so arranged that every flue in its entire length is exposed for cleaning purposes. The grate bars are on a greatly improved pattern, strong, showing no disposition to warp, and of great crushing power, while the air spaces are correctly apportioned for perfect combustion. The whole

scheme of the boiler has, in fact, been carefully thought out and it is perfectly made, rendering it of the best possible heat producing quality. Besides being made for steam this boiler is also arranged for hot water heating, for which it is equally powerful. Giblin & Co. also offer a great variety of boilers and generators of smaller sizes, and an immense amount of sundries. Their catalogue is very interesting to anyone who has work of this class in hand or in prospect.

#### Up-to-Date Greenhouses.

It is a striking compliment to the florist business that those who enter it usually begin with a few small and ill-constructed houses, owing to lack



The Late William E. Kelley.  
President of the Horticultural Society of Chicago.

of capital to build better ones, but gradually replace these with up-to-date structures from which they get the maximum quantity and quality of stock at a minimum expense for fuel. There is really no comparison between the old fashioned house, with its heavy sashbars and narrow glass or principals and lights, and the modern greenhouse, in which, owing to the use of well constructed trusses or other supports, the wood is cut down almost to the vanishing point and large panes of glass are used with practically no obstruction to the light. Such houses are suitable for growing any class of stock, the size of the house, of course, being governed by the class of stock that is to be grown therein.

With the exception of large palms and similar stock, which naturally require large houses to develop their full proportions plants as a general rule do best in houses of small or medium height and width. One of the essentials of good market plants is a dwarf bushy habit and when these large high houses have to be shaded, as they must be for plant growing in summer, the plants are too far from the light to do well. For cut flower stock, such as roses and carnations, on the other hand there seems practically no limit to the size

the houses can be built, the one essential point being strength to withstand the weight of snow and the wind pressure. In the matter of handling soil for the benches the extra long houses are at a disadvantage owing to the long haul, though this is sometimes counteracted by taking the soil from each end and, in some instances from a center walk as well.

Heating large houses was once thought to be more expensive and more troublesome than smaller ones but experiments carried out by careful observers have shown that the large body of air in these houses, once heated, holds up better than that in the smaller ones, and is therefore less liable to fluctuation and more regular. Ventilation can be much more easily and simply arranged for in large houses than in small ones. It is a recognized fact that in order to heat the air in a house the colder air has first to be got rid of and this is usually accomplished with large houses by opening the vents slightly on top without chilling the air about the plants. In small, low houses it is not so easy, for at the first upward move of the vents the cold air presses down close to the plants and the volume of heated air is not great enough to counteract the cold coming in. This may not be a very scientific reasoning, possibly not even a correct one, but from a fairly lengthened experience with both classes of house it is the conclusion to which the writer has been forced by observation of the effect upon the plants grown. At the same time, our national propensity for big things should not be allowed to overcome our judgment and to lead to the building of extra large houses just because they are big.

## OBITUARY.

#### William E. Kelley.

William E. Kelley, head of the lumber company which bears his name and whose parents were among the pioneer residents of Chicago, died May 28, at his summer home, Oconomowoc, Wis., after an illness lasting more than a year. He was 60 years old, and is survived by Mrs. Kelley, two sons, William and Asa P., and two daughters, Margaret and Dorothy. He was a graduate of Yale, a member of the Union League club and president of the Horticultural Society of Chicago. Interment was at Graceland cemetery, Chicago, June 1, and a committee from this society met the funeral party at the Union depot and accompanied it to the cemetery. A number of Chicagoans went to Oconomowoc by a special over the C., M. & St. P., where the funeral services were held May 31.

#### Bernard Hoey.

Bernard Hoey, one of the oldest private gardeners of Long Island, N. Y., died at his home, Great Neck, L. I., May 27. He was born in the north of Ireland, but had resided in this country for many years. At the time of his death he was gardener for Clarkson Cowl, Esq., formerly the Windsor estate. He was a bluff and outspoken Irishman who knew his business thoroughly, had a kind heart and was respected by all who knew him. He was about 70 years old and is survived by a number of adult children.



# THE AMERICAN FLORIST

1885 TWENTY-FIFTH YEAR 1910

Subscription, United States and Mexico \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

Eastern Representatives:

A. F. FAULKNER, 1133 Broadway, New York.  
ROBT. KIFT, 1725 Chestnut St., Philadelphia, Pa.

**THE AMERICAN FLORIST,**  
824 Dearborn St., CHICAGO

**THIS ISSUE 56 PAGES WITH COVERS**

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A NEW range caterpillar, said to have been very destructive in New Mexico, is fully treated of, as to its identity, life history, natural enemies and remedial measures in Bulletin 85, Part V, of the Bureau of Entomology.

WE recently noted, in an Illinois town not far from Chicago, a number of carnations that were left in the field without any protection whatever during the past rather severe winter. The plants are growing strongly and are a good indication of what a hardy plant the carnation really is.

THE world renowned English firm, Thos. Rochford, Broxbourne, is said to have relinquished the culture of orchids as cut flowers.

THE annual summer show of the Nassau County Horticultural Society will be held at Pembroke hall, Glen Cove, N. Y., Wednesday, June 8, at 4 p. m.

MISS RHEA REID, for whom Hill's now famous rose was named, was married from the country home of her father at Irvington-on-Hudson, N. Y., June 2.

## National Flower Show.

Members of the committee on the next National Flower Show, to be held in Boston, met in that city, May 25, to consider a suitable location for holding the exhibition. Among those present were F. R. Pierson, Peter Fisher, J. M. Farquhar, Patrick Welch, M. A. Patten, Wm. Sim, Duncan Finlayson, W. H. Elliott and W. J. Stewart. After considerable discussion the Mechanics building, situated on Huntington avenue, near Horticultural Hall, was decided on as the most suitable place. F. R. Pierson was authorized to make the necessary arrangements for securing the building. There is nearly 150,000 square feet of available space and it is generally believed to be the best location in Boston for a great exhibition.

## The Boston Orchid Show.

The first American orchid show has gone down into history and must be accorded a place of high honor in the floricultural records of our country. Approximately 500 species and varieties were displayed and staged with rare skill and taste. It was a liberal education in matters orchidean to have seen this show, and it was unfortunate that a busy holiday season prevented many of the trade from seeing it. The attendance on the part of the general public was not so good as expected and the managers are now of the opinion that a date about two weeks earlier, with a revised schedule of charges, would have given better results. The paid admissions and scale of charges for the five days of the show, opening Thursday and closing Monday (Memorial day) were as follows:

|          |          |         |
|----------|----------|---------|
| Thursday | \$3.00   | 40      |
| Friday   | 1.00     | 735     |
| Saturday | 1.00     | 754 1/2 |
| Sunday   | .50 cts. | 678     |
| Monday   | .50 cts. | 755 1/2 |

While the policy of the Massachusetts Horticultural Society, under whose auspices the show was held, is educational rather than to make profit, or even expenses, in this case the expenditure so far exceeds the income as to be disappointing. The officers of the society, however, are well pleased with the success of the event from an exhibition standpoint, so much so that they have practically decided to make the orchid show a permanent triennial exhibition.

We feel proud of this first great American orchid show and rejoice with the Massachusetts Horticultural Society in its latest triumph.

## American Gladiolus Society.

### PROCEEDINGS OF FIRST MEETING.

At Horticultural Hall, Boston, Mass., on Friday afternoon, May 27, the American Gladiolus Society was formed. A permanent organization was effected with 75 charter members, and a constitution and by-laws were adopted. There was great enthusiasm manifest from beginning to end and the new society starts with brilliant prospects. The meeting was called to order by Maurice Fuld of Boston, who, by his voluntary efforts, deserves great credit for bringing the gladiolus people together. In a few well chosen remarks, interspersed with timely suggestions, Mr. Fuld stated the purpose of the meeting, and then introduced Professor Stone of Amherst College, who presided over the meeting. Professor Stone gave a very interesting talk on floriculture and its relation to the farm and home, and received hearty applause. A paper by H. Youell of Syracuse, N. Y., giving the history of some of the first varieties of the Gandavensis hybrids of gladioli was listened to with evident appreciation and interest.

The new society has accepted an invitation to meet with the Society of American Florists at its annual exhibition at Rochester, N. Y., in August. The Department of Horticulture of Cornell University, Ithaca, N. Y., has tendered the use of its trial grounds for the growing and testing of varieties of gladioli, and the offer was accepted with a lively vote of thanks. A sincere vote of thanks was also extended to the Massachusetts Horticultural Society for the use of its hall, to Professor Stone for the able manner in which he presided, to Mr. Youell for his most interesting essay, and to the Society of American Florists for its kind invitation. The meeting was enlivened by spirited but friendly discussion, in which the following took part: Arthur Cowee, Berlin, N. Y.; Arthur Boddington, New York; Montague Chamberlain, Boston; Maurice Fuld, Boston; J. K. Alexander, East Bridgewater, Mass.; Robt. Cameron of the Harvard Botanic Gardens; Eugene Fisher, Jamaica Plain, Mass.; I. S. Hendrickson, Floral Park, N. Y.; Prof. L. B. Judson of Cornell University; Carl Cropp, Chicago, and L. Merton Gage, Orange, Mass. The following officers were elected to serve for one year:

I. S. Hendrickson, Floral Park, N. Y., president.

E. H. Cushman, Sylvania, O., vice president.

Maurice Fuld, Boston, Mass., treasurer.

L. Merton Gage, Orange, Mass., corresponding secretary.

H. Youell, Syracuse, N. Y., financial secretary.

Executive Committee—Arthur Boddington, New York; Arthur Kirby, New York; J. K. Alexander, East Bridgewater, Mass.

Committee on Nomenclature—Arthur Cowee, Berlin, N. Y.; Prof. L. B. Judson, Cornell University, Ithaca, N. Y.; Leonard Joerg, Floral Park, N. Y.

L. MERTON GAGE.

Orange, Mass., May 30, 1910.



## Meetings Next Week.

**Buffalo, N. Y., June 7, 8 p. m.**—Buffalo Florists' Club, 385-387 Ellicott street.

**Butte, Mont., June 10.**—Montana Florists' Club, Columbia Gardens.

**Chicago, June 8.**—Gardeners' and Florists' Union No. 10615, 10 and 12 Clark street.

**Cincinnati, O., June 11, 8 p. m.**—Cincinnati Florists' Society, Jabez Elliott Flower Market.

**Dayton, O., June 6, 8 p. m.**—Dayton Florists' Club, 37 E. Fifth street.

**Denver, Colo., June 8-10.**—American Association of Nurserymen, Brown Palace Hotel.

**Detroit, Mich., June 6, 8 p. m.**—Detroit Florists' Club, Cowie building, 42-44 Gratiot avenue.

**Grand Rapids, Mich., June 6.**—Grand Rapids Florists' and Gardeners' Club, office of member.

**Hartford, Conn., June 10.**—Connecticut Horticultural Society, County building.

**Indianapolis, Ind., June 7, 3:30 p. m.**—State Florists' Association of Indiana State House.

**Louisville, Ky., June 7, 8 p. m.**—Kentucky Society of Florists, Third and Broadway.

**Madison, N. J., June 8, 8 p. m.**—Morris County Gardeners' and Florists' Society, Masonic Hall.

**Montreal, Que., June 6, 7:45 p. m.**—Montreal Gardeners' and Florists' Club, Royal Guardians building, 211 Sherbrook street, west.

**New London, Conn., June 8.**—New London County Horticultural Society, Elks hall.

**New York, June 8, 3 p. m.**—Horticultural Society of New York, Botanical Garden.

**Omaha, Neb., June 9, 8 p. m.**—Omaha Florists' Club, City Hall.

**Philadelphia, Pa., June 7, 8 p. m.**—Florists' Club of Philadelphia, Horticultural Hall, Broad street.

**Pittsburg, Pa., June 7, 8 p. m.**—Florists' and Gardeners' Club of Pittsburg, Fort Pitt Hotel.

**Salt Lake City, Utah, June 7.**—Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South street.

**Seattle, Wash., June 7.**—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

**St. Paul, Minn., June 7, 8 p. m.**—Minnesota State Florists' Association, 510 Snelling avenue, north.

**St. Louis, Mo., June 9, 2 p. m.**—St. Louis Florists' Club, Odd Fellows building, 9th and Olive streets.

**Toledo, O., June 8.**—Toledo Florists' Club.

**Washington, D. C., June 7, 8 p. m.**—Florists' Club of Washington, 1214 F street, N. W.

**Winnipeg, Man., June 8.**—Winnipeg Florists' Association.

## Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc

**Situation Wanted.**—By young man as assistant gardener on private place; to begin June 9.  
Box 504, East Lansing Mich.

**Situation Wanted.**—By sober young man, 24; experienced in roses, carnations etc.; capable of taking charge of section or commercial place; north west preferred kindly state wages.  
Key 997, care American Florist.

**Situation Wanted.**—By German, married, 27 years old; 10 years' experience as grower of roses, carnations, 'mums and pot plants; capable of taking charge; give full particulars and what wages paid. Address  
Key 994, care American Florist.

**Situation Wanted.**—As working foreman; German, single; 18 years' experience in growing roses carnations 'mums, bulbs and general stock plants; also good designer and decorator; sober, honest and good worker; have the best of references; can take full charge of any place; state wages.  
Key 506, care American Florist.

**Help Wanted.**—For greenhouse work; three or four good potters. Apply to  
BASSETT & WASHBURN, Hinsdale, Ill.

**Help Wanted.**—A rose grower to work in rose sections; state wages without board.  
COLE BROS., Peoria, Ill.

**Help Wanted.**—Single young man who can take care of college greenhouses in west; a reasonable salary with rooms.  
Key 996, care American Florist.

**Help Wanted.**—Two nurserymen who are honest and industrious; wages \$2.50 per day; steady employment and advancement if satisfactory.  
DEVILS LAKE NURSERY, Devils Lake, N. Dak.

**Help Wanted.**—Experienced man in retail flower store; must be good designer and first-class all around man; good wages. apply  
FRANK WILLIAMS,  
35 E. Randolph St. Chicago.

**Help Wanted.**—Thoroughly competent man on an up-to-date place of 32,000 square feet of glass, where carnations roses 'mums, bedding plants and general stock are grown; send reference and state wages wanted with inquiry.  
AUGUST VON BORSELAGER Mt Clemens, Mich.

**Help Wanted.**—At once; a good all-round greenhouse man to grow stock for retail catalogue place; a good propagator, not afraid of work, sober and reliable; state wages, nationality, married or single and reference in first letter.  
J. E. JACKSON, Gainesville, Ga.

**Help Wanted.**—A young married man to work as second under manager in greenhouses; one who has had a number of years experience, especially in growing roses for cut flowers and also who has had some experience in growing orchids; give references and write  
WRIGHT'S FLOWER SHOP,  
224 W. 4th St., Los Angeles, Calif.

**Wanted to Rent.**—Greenhouse property by next October or November.  
Key 999, care American Florist.

**Wanted to Rent.**—With privilege of buying cheap greenhouse property.  
Box 355, New Martinsville, W. Va.

**For Sale or Rent.**—40,000 square feet of glass, in good location; needs partial rebuilding; rent accordingly, or will sell at reasonable price.  
Key 460, care American Florist.

**For Sale.**—Because of advancing age will see my fine florist business in a live western town with out-of-town trade for 150 miles around; good competition Key 512, care American Florist.

**For Sale.** 80-acre farm, 17 miles from Chicago, five blocks from station sidewalk out to farm, switch track good soil. Ideal location for greenhouses. Address  
FRANCIS A. BECKER, Des Plaines, Ill.

**For Sale.** 3,000 feet of soil pipe with fittings (except valves) 10c per foot. 18 4-inch valves cheap. One boiler, hot water, 3x10 feet; 3-inch return flues, \$50.00.  
D. C. & M. A. NOBLE, Columbia City, Ind.

**For Sale.**—Sunnyside Greenhouses, one of the best florist businesses in Michigan; 22,000 ft. of glass, 6 acres of land; if you have the capital it's a money maker; city of 10,000, with best shipping facilities. Address  
JNO. S. SCHLEIDER, Owosso, Mich.

**For Sale or Rent.**—I have as good a florist business as there is in the country for the size; good eight-room house; three greenhouses; 3½ lots, 50 by 135. I got \$1.50 for my work last year, clear from all expenses, and it is better every year. Will sell or rent to right man; small payment down, balance on time.  
Box 644, Durand, Mich.

**For Sale.**—We are changing our heating system from hot water to steam, and offer for sale 3,500 feet of 4-in. cast iron pipe, taken apart mostly in 20-ft. lengths, in good condition, at 7c per foot; also one No. 9 Kroeschell hot water boiler with racking grates, in the very best of condition; it will pay you to investigate this offer, as it will be sold very reasonably.

KRING BROS., Fairbury, Ill.

## WANTED.

**Seedsmen capable of earning \$1000 per year.** State fully your experience in seed business. Address  
Key 494, care American Florist.

## WANTED

Rose growers; men capable and experienced in growing American Beauties in sections; good wages and desirable positions.

HELLER BROS., New Castle, Ind.

## ORCHID GROWER.

Advertiser needs and will pay good salary to a thoroughly competent grower of orchids on an extensive scale in a commercial establishment. Location California. Address with full particulars

Key 998, care American Florist.

## French Grower

would accept representation of a big American seed house to grow for it, also to inspect all sorts of seeds and buying same in the growing districts in France

Key 990, care American Florist.

## IT IS NOT...

what you pay for the advertisement but what the advertisement pays you. It pays to advertise in the American Florist.

## Offer Them Now

## ALL SPECIALTIES

For Cemetery Use  
All Bedding Plants  
Window Box Stock  
Plants for Vases

The season is three weeks early, and the growers will get left who do not clean out their surpluses

WHILE DEMAND IS STRONG



# Send us your Orders for June Weddings

and we assure you that they will be carefully executed, being able to give you choice stock which we know will please your most particular customers.

We offer choice **Beauties** besides long stemmed flowers in the following varieties:

## My Maryland, Killarney, Kaiserin, Field, Richmond, Jardine

and others. They are the best in this market and cannot be beaten on any other. The foliage is good, the flowers of fine color and they have not a fault.

**Our Carnations** are as fine as can be had. Can supply Perfection, Victory, Bassett, Enchantress, Winsor, Aristocrat and Lawson of A. 1 quality. Also fine home grown Asparagus Plumosus and Sprengerii. We are paying especial attention to out-of-town orders, and our facilities for shipping are of the best and most up-to-date.

Let Us Have Your Next Order.

## Fancy Sweet Peas

In Quantities,

White, Pink, Light  
Pink and Lavender.

# J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and  
Carnations  
A Specialty....

WHOLESALE  
GROWER of

# CUT FLOWERS

# Flowers for the June Bride

If there is one season of the year when flowers should be fresh and bright, it is NOW. Bridal bouquets and flowers for the young buds have to be of the best of their kind, and these we have in quantity. We are especially strong on

## R O S E S

in all the leading varieties—**Richmond, Killarney, White Killarney, My Maryland, Brides and Maids.** There is no sign of mildew, and both flowers and foliage are clear and bright. We have them in all lengths suitable for design work or for presentation bouquets. You will make no mistake in sending us your orders for large or small quantities.

**Carnations** in all leading varieties, **Sweet Peas, Peonies, Greens** of all kinds. In short, everything needed for high class work at this season; and

We Give Personal Attention to All Orders.

# ZECH & MANN, Room 218 51 Wabash Avenue, Chicago Telephone Central 3284

### Chicago.

#### A FINE MEMORIAL DAY BUSINESS.

The business for the past week broke all records for indoor grown flowers. The weather has been unusually cool and suitable for producing good stock while the shrubbery and outdoor flowers generally were not nearly as good, all this tending to make trade much better than usual in the greenhouse-grown product. As is usual for Memorial day, long stemmed American Beauty roses were not in particularly good demand. A cheaper grade of flowers suitable for made up designs and for placing on graves is what is needed and there was a general clean up along the lines of short and medium stemmed roses, carnations and other flowers. All through the latter part of the week shipping orders were plentiful and the prices were well maintained right through to Monday. There was, however, a break in carnations, many growers having held back on these and sent them in late expecting to reap a big harvest on account of high prices, which did not materialize. Peonies

were decidedly short judging from the standard of previous years, though there were large numbers of excellent flowers on hand. One noted house sold out clean on Monday and had not a peony left of any sort or kind. Gladioli helped out finely, the long-stemmed light pink and dark red varieties being good property. There were at times fears of a shortage in roses but they proved unfounded, for while there was no great supply and all grades sold out well, yet there was no scarcity at the prices. The summer crops of Kaiserin, Mrs. Field and others joined hands, so to speak, with the winter varieties, while the evergreen Killarney and White Killarney were on hand in great numbers. My Maryland and Mrs. Jardine, too, are quite acquisitions for this season, both giving a good account of themselves.

Carnations never were better surely for Memorial day than this year. The fine color of Enchantress has been freely remarked upon and the flowers are quite different to the faded, washed-out looking stock sometimes seen at this date when the sun has got his full work in on the fleeting

though beautiful tints of this popular kind. Reds too have been elegant, Victory, O. P. Bassett and Beacon holding up well. White was a little scarcer than colored. Orchids have been plentiful with a fair demand for the best stock. Cape jasmines have been shown plentifully, but a great many have been of very poor quality and arrive bruised. The double white narcissi have proven very popular and little wonder, for one can hardly imagine a finer flower for this season at a moderate price. Snowballs and other shrub flowers have not been nearly as good as usual. German irises are plentiful, this hardy subject having stood the inclement weather well. Green goods are rather scarce. Boxwood is practically out of the market. Hardy ferns from storage are becoming poorer each week and the few new ones that have arrived are soft as yet. Shipments of better stock are expected daily. Heavy well grown smilax is good property and there is none too much of it about. Adiantum is plentiful and good and there is a fair supply of Asparagus plumosus and A. Sprengerii.



# Kaiserins for June

## BEAUTIES, Very Large Crop of Long Stems

They are the best quality in this market. Also a

## Big Cut of Roses and Carnations

### BUY DIRECT OF THE GROWER

#### Current Price List

| American Beauties      |  | Per doz.         |
|------------------------|--|------------------|
| Extra long.....        |  | \$3 00           |
| 24-36 inch.....        |  | 2 50             |
| 18-inch.....           |  | 2 00             |
| 12-inch.....           |  | \$1 00 to 1 50   |
| Short stems.. per 100. |  | \$3 00 to \$6 00 |

| Carnations                           |  | Per 100          |
|--------------------------------------|--|------------------|
| Fancy red extra long O.P. Bassett.   |  | \$2 00 to \$3 00 |
| Fancy White Enchantress.....         |  | 3 00             |
| Fancy Enchantress and Winsor..       |  | 2 00 to 3 00     |
| ROSES, our selection, medium lengths |  | 3 00             |

#### Richmonds, Killarney, White Killarney and Kaiserin.

|                            | Per 100        |
|----------------------------|----------------|
| Extra long and select..... | \$ 8 00        |
| Good lengths.....          | 6 00           |
| Medium lengths.....        | \$4 00 to 5 00 |
| Short lengths.....         | 3 00           |

#### Maids, Brides and Perles

|                      |                  |
|----------------------|------------------|
| Long and select..... | \$6 00 to \$8 00 |
| Medium.....          | 4 00 to 5 00     |
| Good short.....      | 3 00             |

#### Miscellaneous

|                                           | Per 100        |
|-------------------------------------------|----------------|
| Lily of the Valley.....                   | \$3 00         |
| Sweet Peas.....                           | 1 00           |
| Asparagus Sprays.....                     | \$3 00 to 4 00 |
| Asparagus Strings, each.....              | 50             |
| Sprenger.....                             | 2 00 to 3 00   |
| New Ferns, per 1000.....                  | 2 50           |
| Smilax, very long and heavy, per doz..... | 2 50           |
| Adiantum.....                             | 1 00           |
| Galax, green or bronze, per 1000.         | 1 00           |

ROSES, our selection.....per 1000, \$20.00

# Bassett & Washburn

Store and Office: 76 Wabash Ave.,

CHICAGO

Greenhouses: HINSDALE, ILL.

#### NOTES.

As evidence of the excellent quality of the carnations now being sent in to Peter Reinberg's wholesale store it may be noted that an out-of-town retailer after ordering 5,000 and receiving them, immediately wired back to duplicate his order, so well pleased was he with the high quality and careful packing. T. Matchem is to be congratulated on the excellent way he handled the immense business here for Memorial day. Everybody was kept busy with the numerous large shipments and everything was kept in line, there being no confusion but all working smoothly and satisfactorily, while the above speaks for the quality of the packing. Big cuts of all the best roses are in progress.

The quality of the stock now arriving at the Poehlmann Bros. Co. is extra fine. A big business was done here for Memorial day, running away over that for any previous holiday. Among the offerings noted this week as especially good are Killarney, White Killarney, Richmond and My Maryland roses with long stems and some magnificent Cattleya Mossiae. The stock at the greenhouses is in first class order now and all the orchids shown are home grown. High class flowers, of the kinds needed for the best class of weddings and other decorations, will be plentiful here from now on.

Vaughan & Sperry are to be congratulated on having the biggest business in the career of the firm. Fred Sperry noted with satisfaction that they have had a long continued run of excellent business, beginning with a record breaking Christmas, following this up at Easter and culminating in the finest Memorial day on record. Everything sold out clean and the store had to be closed early on Mon-

"The Busiest House in Chicago"

## AFTER THE BATTLE

While we sold an immense amount of stock for the Memorial Day business we are each day receiving the finest stock coming into this market. For

### JUNE WEDDINGS

We particularly call attention to our BRIDES, Maids, Killarney and other Roses. We can supply your wants on short notice.

## J. B. DEAMUD CO.

51-53 Wabash Ave.,

CHICAGO

day. Owing to the character of the day Beauties in the longer stemmed grades were slower sellers than the majority of other stocks.

The J. B. Deamud Co. reports a bigger and better business than ever for Memorial day. The great supply of peonies on hand here a day or two before was all sold out and all other classes of stock was in good demand. Notwithstanding the immense number of double white narcissus that were consigned to this firm they proved such an elegant drawing card that many orders had to be cut down on and Mr. Deamud calculates they could have sold another 50,000 had they been at command.

When asked as to Memorial day business, N. Pleser at Kennicott Bros., simply pointed to the empty counters and icebox. Two small bunches of peonies were all that were left of the great stock of these flowers handled while the demand for all other classes of stock was quite unprecedented in the history of the firm.

Fred Strail, of Strail & Hahn, expressed himself as well satisfied with the amount of business done at the new store on Jackson boulevard. The passing trade is good here and there is considerable demand from the Wellington hotel. The icebox is not yet in but is expected in a few days.

Canger & Gormley report a very busy week and big demand for Memorial day. They have several good wedding orders in already for early in the month. They also had their usual order for decorating the graves of the Pinkerton detectives on Memorial day.

Zech & Mann report an excellent Memorial day business, having sold out of peonies entirely though an extra large stock was handled. Carnations, roses and other stock is in first rate condition here and the demand is keeping up well.

The Chicago Rose Co. has moved from 56 Wabash avenue to the basement of No. 60.



# WIETOR BROS.

51 Wabash Ave., CHICAGO

Wholesale Growers of Cut Flowers

## CURRENT PRICE LIST

### BEAUTIFS

|                    | Per doz. |
|--------------------|----------|
| Long stems.....    | \$3 00   |
| 30-inch stems..... | 2 50     |
| 24-inch stems..... | 2 00     |
| 20-inch stems..... | 1 50     |
| 15-inch stems..... | 1 25     |
| 12-inch stems..... | 1 00     |
| Short stems.....   | 75       |

|                                |                |
|--------------------------------|----------------|
| <b>KILLARNEY</b> , select..... | Per 100 \$6 00 |
| “ medium.....                  | 3 00 to 4 00   |

|                                                 |                |
|-------------------------------------------------|----------------|
| <b>JARDINE</b> , (finest pink rose) select..... | Per 100 \$6 00 |
| <b>JARDINE</b> , medium.....                    | \$3 00 to 4 00 |
| <b>BRIDE</b> , select.....                      | 6 00           |
| “ medium.....                                   | 3 00 to 4 00   |
| <b>MAID</b> , select.....                       | 6 00           |
| “ medium.....                                   | 3 00 to 4 00   |
| <b>UNCLE J HN</b> , select.....                 | 6 00           |
| “ medium.....                                   | 3 00 to 4 00   |
| <b>RICH MOND</b> , select.....                  | 6 00 to 8 00   |
| “ medium.....                                   | 3 00 to 4 00   |

|                               |                          |
|-------------------------------|--------------------------|
| <b>KAISERIN</b> .....         | Per 100 \$3 00 to \$4 00 |
| <b>WHITE KILLARNEY</b> ....   | 3 00 to 8 00             |
| <b>CARNATIONS</b> , fancy...  | 2 00                     |
| Good.....                     | 1 50                     |
| <b>PEONIES</b> , per doz..... | 75c to \$1.00            |
| <b>EASTER LILIES</b> .....    | 12 50                    |
| <b>VALLEY</b> .....           | 3 00 to 4 00             |
| <b>SWEET PEAS</b> .....       | 1 00 to 1 50             |

All Green Goods at market rates.  
Subject to change without notice.

**ROSES, our selection.....\$3.00 per 100**

The above prices are for select stock. Extra select or inferior stock billed accordingly.  
All other stock at lowest market rates.

## BUY OF THE GROWER

The Geo. Wittbold Co. has issued a most attractive booklet, the cover printed in colors, and containing numerous fine half tones of garden scenes and flower beds. The Memorial day trade here was a record breaker both at the retail department and in plants. The front of the store on Buckingham place that was parked some time ago is profusely decorated now with geraniums and large bay and box trees, an example other florists might copy with advantage.

Summer Kaiserin roses have long been a specialty with Bassett & Washburn, and this season they are particularly fortunate in having a magnificent crop in for June weddings, for which they are especially useful. The flowers are of fine substance and the foliage good, and they come in all lengths. The rose crop all around is good here, the cool weather just suiting all varieties.

During the past winter F. Fuhrman, 3166 N. Clark street, has built a large store and 16 flats. One-half of the store he uses in the retail business and the other is occupied for banking purposes. Mr. Fuhrman also mentioned that he may open up a place on Evanston avenue in the near future.

J. A. Budlong's roses continue to arrive in first class shape, Kaiserin and Field being especially good. Phil Schupp says that in his experience with the firm he was never better equipped to take care of out-of-town trade for June weddings and school exercises.

John Junius, 1736 Byron street, has been on hand with a number of his choice plants at the St. Boniface cemetery, N. Clark street. He is well pleased with the way business has been and states that he has turned out a great number of funeral designs.

Among the stock at Wietor Bros. this week, the roses stand out prominently, elegant Mrs. Jardine, Kaiserin and other varieties being in large supply and of exceptional quality. A fine business was reported here for Memorial day.

John Mangel reports a record-breaking business. His store has been finely decorated with American flags. Magnolia wreaths with ribbons

have proved to be great sellers, the large number prepared having been sold out.

Two new greenhouses, 20x250 feet each, are being erected at the John Assa place, 5350 Bowmanville avenue. Mr. Assa stated that work would commence on two additional greenhouses as soon as those being built are completed.

Congratulations are in order at the home of Leonard Vaughan, Mrs. Vaughan having presented him with a son on June 1. This is the third child, the eldest also being a son. Mother and son are both doing well.

A. Malchow, 3743-45 N. Clark street, found a very ready sale for his hydrangeas, having closed out his entire stock. Carnations were a favorite over other cut flowers, there still being a steady demand.

Adam Heim, of Adam Heim & Son Support Co., Connerville, Ind., was in the city last week. He has put up 54,300 of his supports at Poehlmann Bros. Co., Morton Grove. He left for home on Saturday.

The steamer on which O. F. Bassett and wife sailed for Europe was reported to have her load of cotton on fire the night before sailing date. They may make it warm for Mr. Bassett.

Kroeschell Bros. Co. says that orders for boilers are coming so thick and fast that they have beaten all previous records. Hot water boilers of large capacity are most in demand.

J. F. Czarneck and M. F. Dziadul opened up their new retail store on May 15. They are doing business at 1514 W. Chicago avenue, under the firm name of J. F. Czarneck & Co.

John Paulus reports business very good, he having opened up a temporary branch at 3954 N. Clark street. The place is in charge of his son Arthur.

As evidence of the increasing business at Hoerber Bros., additional help has become necessary, Charlie Endriss being the latest addition to the staff.

J. J. Welsh, Jr., has opened up a stand for the summer on a vacant lot near the St. Boniface cemetery. His stock consists mostly of plants.

J. T. Helbok, 941 Wrightwood avenue, intends to visit his old home in

Italy, the present summer. He will either sell or lease his place.

Paul Blome & Co., 1361 N. Clark street, are very busy cleaning up. The cold weather has proved to be a great setback for them.

Visitor: C. F. Rice of Rice Bros., Minneapolis, Minn.

### St. Louis.

#### HIGH PRICES.

The weather during the past week has become warmer. We now have a glimpse of the sun, but the nights are cool. Stock on Friday, Saturday and Sunday was very scarce and prices climbed to those in vogue around Christmas. The trouble was that the quality of the flowers did not in many instances warrant the price. Boston Market carnations that a few days previous were hard to move at \$1 per 100 were sold at \$4. Whether this rise is a wise method is a question. There is one thing certain that the public will not understand such fluctuations, in inferior stock especially. Of course the scarcity of outdoor flowers had something to do with it, but extremes do not help or encourage the general trade. One prominent retailer expressed himself strongly and stated that he preferred to advise his customers his inability to give them value for prices demanded. Carnations were sold at six cents which would have been high at three cents. Peonies were all taken up at eight cents. Closing exercises, June weddings and a few social events will help to keep up prices although a certain and decided decline will in all probability show itself before the close of the week.

#### NOTES.

The Florists' Club will hold its regular monthly meeting June 9. President Windler desires a full attendance; several important matters were laid over from last meeting owing to the fact that many members were unable to attend owing to the planting out business. The report of the trustees on location and date of annual picnic will be passed upon.

Spaces 7x15 near the greenhouses at Forest park will be allotted to school boys by the public recreation commission to farm and raise vegetables.



# FOR JUNE WEDDINGS

—AND—  
Commencements

Our stocks are in the finest possible condition for the season.  
Carnations and Long-stemmed Beauties are especially good.

## CURRENT PRICE LIST

| American Beauties,             | Per doz.                 |
|--------------------------------|--------------------------|
| Long stems .....               | \$3 00                   |
| 30-inch stems .....            | 2 50                     |
| 24-inch stems .....            | 2 00                     |
| 20-inch stems .....            | 1 50                     |
| 15-inch stems .....            | 1 25                     |
| 12-inch stems .....            | 1 00                     |
| Short stems....                | \$4 00 to \$6 00 per 100 |
| <b>Richmond</b> , select.....  | Per 100 \$8 00           |
| medium.....                    | \$5 00 to 6 00           |
| <b>Killarney</b> , select..... | 8 00                     |
| medium .....                   | 5 00 to 6 00             |

| Mrs. Marshall Field, select ..... | Per 100        |
|-----------------------------------|----------------|
| medium.....                       | \$5 00 to 6 00 |
| <b>Bridesmaid</b> .....           | 5 00 to 6 00   |
| <b>Bride</b> .....                | 5 00 to 6 00   |
| <b>My Maryland</b> , select ..... | 8 00           |
| medium.....                       | 5 00 to 6 00   |
| <b>Chatenay</b> .....             | 5 00 to 8 00   |
| <b>Ivory</b> .....                | 5 00 to 8 00   |
| <b>Perle</b> .....                | 5 00 to 8 00   |
| <b>Sunrise</b> .....              | 5 00 to 8 00   |
| <b>ROSES</b> , our selection..... | \$3 00         |

| Carnations .....             | Per 100          |
|------------------------------|------------------|
| <b>Valley</b> .....          | \$2 00 to \$3 00 |
| 3 00 to 4 00                 |                  |
| <b>Peonies</b> , good stock, |                  |
| assorted.....per doz.,       | \$ 50 to \$1 00  |
| <b>Easter Lilies</b> .....   | per doz., 1 50   |
| <b>Callas</b> .....          | per doz., 1 50   |
| <b>Asparagus Plumosus</b> ,  |                  |
| extra quality ..per bunch,   | 50               |
| <b>Fancy Ferns</b> .....     | per 1000, 3 00   |

**Peter Reinberg,** 35 Randolph St.,  
**CHICAGO.**

## FLOWERS FOR JUNE WEDDINGS AND SCHOOL COMMENCEMENTS.

To those customers who have been using our flowers right along we need only say that our stock was never in better condition than at present. A word to the wise is sufficient.

To those who are not among our regular customers, we wish to say that there are no better flowers reaching this or any other market than those we are now receiving from our mammoth greenhouse plant.

**Beauties**, long stemmed, medium and short for all purposes. **My Maryland**, **Killarney**, **White Killarney** and **Richmond** roses are especially good and we have extra long stems, 40-inch, fine for graduation bouquets. **Carnations** in all leading varieties. Plenty of fine colored **Enchantress**, **Winsor** and **Lawson**.

Home-grown **Orchids** (Cattleyas) a specialty, **C. Mossiae** and **C. Gigas** are in full cut and the flowers are especially good. **Greens** of all kinds. **Adiantum** and **Asparagus**.

**POELHMANN BROS. CO.** OFFICE AND SALESROOM:  
33-35-37 RANDOLPH STREET. **Chicago,**  
LONG DISTANCE PHONE, RANDOLPH 35.

The commission will also furnish tools and seed and provide an expert farmer to direct operations.

The Retail Florists' Protective Association will hold an important meeting June 6 at the Knights of Columbus hall. F. C. Weber, Jr., the secretary, has advised all members to be present.

The Paris Floral Co., 605 Olive street, under the management of F. J. Foster, opened up Saturday. Their full fixtures are not yet completed. Miss May Burns, formerly with Alex Siegel, is saleslady.

The first yellow chrysanthemums of the season were seen at Angermueller's the past week. The blooms were fairly good size and on 2-foot stems.

Ostertag Bros. were very busy all week at the electric display show at the Coliseum. Beds of tulips and other flowers were used in large quantities with electric effects.

W. H. Smith Wholesale Floral Co. received an order for several thousand lavender sweet peas for the Ayres Floral Co.

H. G. Berning is getting a fine supply of everything. Some very fancy

Cape jasmines brought fancy prices Saturday.

John Barnard, formerly with Grimm & Gorly, is now with the Bentzen Floral Co. and is doing good work.

J. Krug and daughter of Alton, Ill., were in town Sunday hunting up stock in all varieties.

W. J. and M. S. Vesey were in with consignments of Harrisii lilies.

W. F.

WELLSVILLE, N. Y.—Mrs. Jennie McEwen has purchased the greenhouse on West State street, formerly owned by W. F. Yewdall.

WASHINGTON, D. C.—During a fierce storm which occurred here May 20, the American Rose Co. had three houses blown down. The damage to the buildings and stock amounted to at least \$2,000.

DALLAS, TEX., May 23.—D. H. R. Green, son of Mrs. Hetty Green, will take up his residence in the east to assist his mother in her financial affairs. Announcement was made to this effect here today.—N. Y. Commercial.

### Nashville.

The Nashville Art club conceived the idea of having a flower show along art lines, which will give an impetus to fine flower-growing by amateurs. The show was given at the Parthenon building in the beautiful Centennial park, which is ample enough to permit of a good arrangement of the flowers. The plants from the Central hospital for the insane, a state institution, were brought. They have a very fine variety and a large collection. The Joy Floral Co. made an exhibit and took a great deal of interest in the show. They kept on exhibition several beautifully decorated bridal tables, renewing them throughout the week, as needed. One of these tables was decorated entirely in sweet peas, all white, with maidenhair and asparagus; another was in roses and still another in carnations. They were awarded a blue ribbon for the largest and handsomest collection of plants and cut flowers. McIntyre Bros. were awarded the blue ribbon for formal gardens, the Central hospital for best collection of plants and orchids; Lischey Nurseries for handsomest collection of palms.



**Send Us Your  
Orders For....**

# Cut Flowers

## For June Weddings and Commencements

**Better Fixed Than Ever. More Growers Than Ever,**

### AMERICAN BEAUTIES

|                    | Per doz          |
|--------------------|------------------|
| Long stems.....    | \$3 00           |
| 30-inch stems..... | 2 50             |
| 24-inch stems..... | 2 00             |
| 20-inch stems..... | 1 50             |
| 12-inch stems..... | 1 00             |
| Shortstems.....    | 75               |
|                    | Per 100          |
| Bridesmaid.....    | \$4 00 to \$6 00 |
| Bride.....         | 4 00 to 6 00     |
| Golden Gate.....   | 4 00 to 6 00     |
| Kaiserin.....      | 4 00 to 6 00     |

|                                    | Per 100                    |
|------------------------------------|----------------------------|
| Richmond.....                      | \$4 00 to \$8 00           |
| Killarney.....                     | 4 00 to 8 00               |
| ROSES, our selection.....          | 4 00                       |
| PEONIES, good stock, assorted..... | 8 00                       |
| Old Red (Fancy) per doz.....       | 50c                        |
| CARNATIONS, Al stock.....          | \$2 00 to 3 00             |
| fancy red.....                     | 4 00                       |
| Callas.....                        | 12 50 to 15 00             |
| Harrisii.....                      | per doz., \$2 00           |
| Gladioli, fancy.....               | per doz., \$1 50 to \$2 00 |

|                              | Per 100                |
|------------------------------|------------------------|
| Sweet Peas.....              | \$ 75 to \$1 50        |
| Valley.....                  | 3 00 to 4 00           |
| Daisies.....                 | 75 to 2 00             |
| Pansies.....                 | 1 00 to 1 50           |
| Adiantum.....                | 75 to 1 00             |
| Asparagus, strings.....      | \$ 50 to \$ 75         |
| Asparagus, bunches each..... | 35 to 50               |
| Sprenger, bunches.....       | 25 to 50               |
| Ferns.....                   | per 1000, 4 00         |
| Galax.....                   | per 1000, 1 00 to 1 25 |
| Smilax.....                  | per doz., 2 00 to 2 50 |

# VAUGHAN & SPERRY

LONG DISTANCE PHONE  
CENTRAL 2571.

52-54 Wabash Ave., CHICAGO.

The beautiful old-fashioned gardens around the city furnished a wealth of rich blossom. Seldom has there been exhibited a larger or more beautiful collection of cut peonies. Mrs. E. W. Cole, Mrs. Van Leer Kirkman, Mrs. Alex. Caldwell, Mrs. Jas. E. Caldwell, Mrs. Jesse M. Overton, Mrs. Jas. Bradford, Mrs. Judge Matthews, and many others, sent in cut flowers from their gardens, the peonies predominating, and making a superb collection, beautifully and artistically arranged.

Some months ago prizes were offered for the best school garden, and for the best individual garden among the pupils. Mrs. Alex. Caldwell, who is herself a successful flower grower, as chairman of the Outdoors committee, visited over 150 gardens, and found some very creditable work. The Lipscomb school won first prize for the best school garden, the Peter Henderson prize of \$3.50 in flowers. The Wilkinson-Elliott prize of \$2.50 in flowers was won by the Trimble school. Four children won prizes, and on account of good gardens 13 other young amateur gardeners were given baskets of iris plants as rewards. The show was made attractive in every way, with musical programmes and lectures. The famous jubilee singers gave a concert Sunday afternoon when there was a large crowd present. Prof. John Davey, of Kent, O., gave his famous lecture on tree-surgery.

The florists have been very busy with the annual school commencements and flowers have been abundant for all purposes. The gladioli and hydrangeas are particularly fine just now, and all kinds of summer flowers are coming in nicely. The excess of rain has caused a vigorous growth on outdoor stock, which if it does not get too dry now will do well through the season. American Beauty, Killarney and Richmond roses are in fine condition, which will hold up until the summer dull season comes on. Carnations are still plentiful and of very good quality.

The Housekeepers' club has inaugurated a flower day, Friday of each week. The members contribute the flowers and they are distributed to the sick and shut-ins. They also gave out

flower seed and have offered prizes for good gardens, and good special plants, and for best appearing yards and gardens.

M. C. D.

### Providence.

Notwithstanding the warm month we had previous to the very undesirable weather during that month, the decreased death rate and very little outdoor stock for Memorial day business, it was the most satisfactory month's business the retailer and grower of all kinds of cutflowers and plants have had in the past quarter of a century. The sale of bedding plants was somewhat held back by the weather the first part of the month, but they moved with great speed the past 10 days, which made up for that. Memorial day coming on Monday has a great tendency to cause more business, as it gives the public three days to do its buying.

Memorial day's business was very gratifying to all; all kinds of cutflowers and plants sold well and at most satisfactory prices. The weather for the week was very threatening all the time up to Sunday, when we had a good clear warm day. There seemed to be plenty of stock to go around at good prices. Stocks were very much sought by the retailer, as they sell well. Spirea Japonica of the different varieties were very much looked for in the making up of bouquets and designs. Sweet peas sold well. Bedding plants in pots or pans sold remarkably well and at good prices. There was plenty of indoor flowers to go around but hardy flowers were scarce.

### NOTES.

The leading daily paper here made an appeal to the public to donate trees to be planted next fall on such streets as they are most needed. Of these streets and squares there are a great many. It is hard to believe how an up-to-date New England city like this, with 200,000 population, could be in such a neglected state. The public has responded most generously and has given \$4,500 so far. Anyone who desires to give a tree send \$3 to the Providence Journal with their name

and address. These names are published. A committee consisting of the mayor, Henry Fletcher, City Forester Alex. Johnson, and Prof. Joseph MacDonnell, of Brown University, are to select the location that they are most needed in.

The monthly meeting of the Florists' and Gardeners' Club of Rhode Island was held at its rooms on the evening of May 23, with a good attendance. President Robert Johnston was in the chair. It was voted to make a visit to the Rhode Island Agricultural College at Kingston in June, the date to be decided on later, and a committee was appointed to make the necessary arrangements. The entertainment committee had no regular programme for the evening, so a general discussion followed about the condition of the business, prices for the coming week and Memorial day. At the close of the business meeting those present were served with fruit, through the kindness of the former president, James Hockey.

T. Jenkins is now in charge of The Breakers, the Newport estate of Mrs. Cornelius Vanderbilt. He recently resigned as gardener for Col. Payne at Thomasville, Ga.

Mathew McNair reports a very good business for May, as well as at Memorial day. This firm has three handsome delivery wagons going.

Laurence Hay, East Providence, is doing a rushing business in bedding and vegetable plants. He had over 200,000 before Memorial day.

Dan. A. Clark, of Red Oak Nurseries, Fiskville, N. Y., sold several hundred pot plants to the trade for Memorial day's business.

E. R. Seymore, Warren, reports business exceptionally good this spring, especially in funeral work and bedding plants.

James B. Canning had an extraordinary good business Memorial day, both in cut flowers and bedding plants.

J. BRINTON.

PLATTSBURGH, N. Y.—Louis Ferber, landscape gardener of the Delaware & Hudson Railroad Co., is laying out the grounds about the depot.



# Cut Flowers E. H. HUNT

FOR ALL OCCASIONS.  
FLORISTS' SUPPLIES TOO.

—SEND FOR PRICE LIST.—  
76 Wabash Avenue, CHICAGO.

## KYLE & FOERSTER,

W. P. KYLE.

51 Wabash Ave.,

CONSIGNORS SOLICITED.  
Wholesale Florists.

L. D. Phone  
Randolph 3619.

JOSEPH FOERSTER

CHICAGO

## KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., Chicago  
L. D. Phone, Central 466.

We will have anything in the line of  
**CUT FLOWERS and GREENS**  
that you may want if anybody has it at  
Chicago market prices on day of shipment.

Mention the American Florist when writing

## A. L. Randall Co.

19-21 Randolph St.,  
CHICAGO.

L. D. Phone Central 1496. Private Exchange  
All Departments. If you do not receive our  
price list regularly send for it.

Mention the American Florist when writing

BE YOUR OWN COMMISSION MAN  
—AT THE—

## Flower Growers' Market

60 Wabash Ave., CHICAGO.

A Few Desirable Stands For Rent.

See JOHN SINNER, Manager.

Mention the American Florist when writing

### Kentia Seeds.

At the recent meeting of the Australian Nursery Association a warm discussion took place on the recent rise in prices of kentia seeds. Mr. Cheeseman moved—"That this conference expresses dissatisfaction with the arrangement made by the New South Wales state officials for the distribution of palm seeds from Lord Howe island, whereby authority has been given to leaseholders and contractors to combine together to raise the price of seeds and control the output generally, which combine has raised the prices of seeds 650 per cent over the prices ruling before the combine was initiated."

He stated that at one time the price was 8 shillings to 10 shillings a bushel, but now it has gone up to nearly £3, a rise of 650 per cent and that most of the extra profit went to the company which controlled the output, and not to the islanders generally. On

## E. C. AMLING

THE LARGEST,  
BEST EQUIPPED,  
MOST CENTRALLY LOCATED  
WHOLESALE  
CUT FLOWER HOUSE  
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,  
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

## Wholesale Flower Markets

CHICAGO, June 1.

|                                       |                  |
|---------------------------------------|------------------|
| Roses, Beauty, extra select ...       | 4 00             |
| " " specials.....                     | 3 00             |
| " " 36 in .....                       | 2 50             |
| " " 30 in .....                       | 2 00             |
| " " 18 in .....                       | 1 50             |
| " " 15 in .....                       | 1 00             |
| " " Short .....                       | 75               |
|                                       | Per 100          |
| " Bride, Bridesmaid, select... medium | 4 00@ 8 00       |
| " Killarney, select.....              | 2 00@ 3 00       |
| " " medium and short                  | 5 00@ 10 00      |
| " Mrs. Jardine .....                  | 2 00@ 4 00       |
| " Mrs. Potter Palmer.....             | 4 00@ 8 00       |
| " My Maryland.....                    | 2 00@ 6 00       |
| " Perle .....                         | 3 00@ 8 00       |
| " Richmond .....                      | 2 00@ 6 00       |
| " Uncle John .....                    | 3 00@ 8 00       |
| " White Killarney select..... medium  | 4 00@ 10 00      |
| " " .....                             | 2 00@ 3 00       |
| Carnations, select fancy .....        | 2 10@ 4 00       |
| " common and splits .....             | 1 00@ 1 50       |
| Callas..... per doz..                 | 1 50             |
| Lilium Harrisii .. per doz..          | 2 00 8 00@ 12 50 |
| Lily of the Valley .....              | 2 00@ 4 00       |
| Orchids..... per doz..                | 4 00@ 6 00       |
| Ponies .. per doz..                   | 60@ 1 00         |
| Sweet Peas .....                      | 75@ 1 50         |
| Adiantum .. per 100.                  | 75@ 1 50         |
| Asparagus Plum. strings, each.        | 60@ 75           |
| " sprays.....                         | 3 00@ 4 00       |
| " Sprengerii .....                    | 3 00@ 4 00       |
| Ferns..... per 1000.                  | 3 00             |
| Smilax .....                          | 2 00@ 2 50       |

Some firms have especially good roses which are billed at rather higher prices than the above.

the other hand, it was argued that before the trade was organized and controlled, the islanders were at the mercy of buyers who paid starvation prices, so that, though Lord Howe's island had a monopoly of the supply, the inhabitants were reaping miserable returns for their labors. The motion was finally passed and a deputation appointed to wait upon the minister responsible for the government of the island.—Horticultural Advertiser.

## CHAS. W. McKELLAR,

51 Wabash Ave.  
CHICAGO.

## ORCHIDS

A Specialty

Fancy Stock in Peonies,  
Valley, Roses, Beauties,  
Carnations and a full line  
of all Cut Flowers, Greens,  
Wire-Work and Florists'  
Supplies.

Send for Complete  
Catalogue.

## WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given  
prompt attention.

51 Wabash Ave.. CHICAGO.



## HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 51 Wabash Avenue CHICAGO

## Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO

Telephone, Central 3284.

## Quality Counts..

Let us have your next order for

**Roses and Carnations**  
and other Seasonable Flowers.

JOHN KRUCHTEN,

51 Wabash Ave.. CHICAGO.

Always mention The American Florist  
when you order stock. ! ! !



## American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

## Rice Brothers

Wholesale Florists and Supplies,

115 N. 6th St., MINNEAPOLIS, MINN.

Cut Flowers received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities. Mention the American Florist when writing.

## THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

## Weiland & Olinger

128 E. Third S., CINCINNATI, O.

Wholesale Growers and Shippers of Cut Flowers.

### Destroying Grasshoppers.

ED. AMERICAN FLORIST:—

The gardeners and nurserymen are having the fight of their lives with the grasshoppers. This spring being exceptionally warm, all our hardy stock is a month ahead of the season, and as we have to forward all our early stock under glass, they have invaded the cold frames. We have tried poisoned bran, but with little effect. They are taking the first setting of cabbage and cauliflower, lettuce and cucumbers in the field. If you have any remedy that might help us save the crop we would be more than pleased to hear from you.

J. H.

Montana.

The most practical method of which we have any knowledge for the destruction of grasshoppers is by the use of poisoned baits. Very large level areas can be gone over with the hopperdozer, a pan of sheet iron with water in it and oil floated on top, but this is only suitable for these level areas. What has come to be known as the Criddle mixture is giving most satisfactory results on the ranches of both the United States and Canada. The mixture is composed of half a barrel of fresh horse droppings in which is mixed one pound each of salt and Paris green. If the horse droppings are not fresh the salt is dissolved in water and mixed with the manure and poison. When this mixture is scattered freely about where the grasshoppers are abundant they seem to be attracted to it, for they devour it readily and are poisoned thereby. Dr. James Fletcher, entomologist for the Dominion of Canada, cites an instance where this mixture

## HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

### Wholesale Flower Markets

| BOSTON, June 1.          |             | Per 100 |
|--------------------------|-------------|---------|
| Roses, Beauty, best      | 25 00@35 00 |         |
| " " medium               | 15 00@20 00 |         |
| " " culls                | 5 00@10 00  |         |
| " Bride, Bridesmaid      | 1 00@ 4 00  |         |
| " " Extra                | 5 00@ 8 00  |         |
| " Killarney and Richmond | 2 00@ 8 00  |         |
| " My Maryland            | 1 0 @ 8 00  |         |
| " Carnot                 | 2 00@12 00  |         |
| Carnations, select       | 3 00@ 4 00  |         |
| " fancy                  | 1 00@ 2 00  |         |
| Callas                   | 8 00@10 00  |         |
| Cattleyas                | 35 00@50 00 |         |
| Lilium Longiflorum       | 8 00@10 00  |         |
| Lily of the Valley       | 2 00@ 3 00  |         |
| Smilax                   | 12 00@16 00 |         |

| ST. LOUIS, June 1.        |             | Per 100 |
|---------------------------|-------------|---------|
| Roses, Beauty, long stems | 15 00@20 00 |         |
| " " medium stems          | 8 00@12 50  |         |
| " " short stems           | 2 00@ 4 00  |         |
| " Bride, Bridesmaid       | 3 00@ 5 00  |         |
| " Killarney               | 3 00@ 6 00  |         |
| " My Maryland             | 3 00@ 6 00  |         |
| " Richmond                | 3 00@ 6 00  |         |
| Carnations                | 1 00@ 2 00  |         |
| " fancy                   | 2 00@ 3 00  |         |
| Callas                    | 8 00@10 00  |         |
| Easter Lilies             | 6 00@10 00  |         |
| Sweet Peas                | 20 @ 50     |         |
| Adiantum                  | 1 50        |         |
| Asparagus Sprengeri       | 2 00@ 3 00  |         |
| Smilax                    | 12 50@15 00 |         |

| CINCINNATI, June 1.           |             | Per 100 |
|-------------------------------|-------------|---------|
| Roses, Beauty                 | 1 00@ 4 00  |         |
| " Bride, Bridesmaid           | 2 00@ 6 00  |         |
| " Golden Gate                 | 2 00@ 6 00  |         |
| " Killarney                   | 2 00@ 6 00  |         |
| " Richmond                    | 2 00@ 6 00  |         |
| Carnations                    | 1 00@ 3 00  |         |
| Callas                        | 10 00       |         |
| Daffodils                     | 2 00        |         |
| Daisies                       | 50          |         |
| Lilium Longiflorum            | 10 00@12 50 |         |
| Lily of the Valley            | 3 00@ 4 00  |         |
| Narcissus, Paper White        | 3 00        |         |
| Sweet Peas                    | 50 @ 75     |         |
| Tulips                        | 3 00@ 4 00  |         |
| Adiantum                      | 1 00@ 1 50  |         |
| Asparagus Sprengeri, per bch. | 25          |         |
| Smilax                        | 12 50@20 00 |         |

| MILWAUKEE, June 1.     |                     | Per 100 |
|------------------------|---------------------|---------|
| Roses, Beauty          | per doz., 5 @ 3 00  |         |
| " Bride Bridesmaid     | 3 00@ 8 00          |         |
| " Killarney            | 3 00@ 8 00          |         |
| " Richmond             | 3 00@ 8 00          |         |
| Carnations             | 2 00@ 3 00          |         |
| Callas                 | 15 00               |         |
| Lilium Giganteum       | per doz., 2 00      |         |
| Lily of the Valley     | 4 00                |         |
| Magnolia               | 35                  |         |
| Peonies                | 5 00@ 8 00          |         |
| Snapdragon             | 3 00@ 8 00          |         |
| Sweet Peas             | 50 @ 1 00           |         |
| Tulips                 | 2 00@ 3 00          |         |
| Adiantum               | 1 50                |         |
| Asparagus              | per string, 50 @ 60 |         |
| " Plumosus, per bunch, | 50                  |         |
| " Sprengeri,           | 35                  |         |
| Boxwood                | per bunch, 25       |         |
| Ferns, Fancy           | per 1000, 3 00      |         |
| Galax                  | per 1000, 1 50      |         |
| Smilax                 | per doz., 3 00      |         |

had been scattered freely around the edges of a field and states that this particular field stood out as a green patch in a brown plain, as it was situated in the midst of fields where nothing had been done to destroy the grasshoppers. This Criddle mixture now seems preferable to the poisoned-

## Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

## J.M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES  
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Mention the American Florist when writing.

## H. G. BERNING,

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

Mention the American Florist when writing.

## C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

## WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Both L. D. Phones, Supplies and Everything in Season always on hand

## William Murphy,

Wholesale Commission  
FLORIST

311 Main Street, CINCINNATI, OHIO.

bran remedy that has given and still continues to give beneficial results, for it is less expensive than the latter and less likely to poison other animal life.

NASHVILLE, TENN.—A number of city officials are endeavoring to secure an appropriation to create the position of city gardener.

ALLENTOWN, PA.—John H. Sykes is planning to build a new greenhouse which will be considerably larger than any he now has. He has just received a large boiler from Kroeschell Bros., Chicago.



# June Weddings and Commencements

Fancy Beauties, Best.....\$3.00 per dozen  
 Killarney, Maryland, Richmond Roses, very choice stock, long stems \$6.00 to 8.00 per 100  
 Peonies, including all the best varieties..... 6.00 to 8.00 per 100

THE LEO NIESSEN CO., Business Hours: 7 a. m. to 8 p. m.  
 Wholesale Florists, 1209 Arch Street, Philadelphia, Pa.

## Pittsburg Florists' Exchange,

### CATTLEYAS

#### A SPECIALTY

Home grown Cattleyas a specialty. This stock is much superior to that shipped from other points, and we can furnish you absolutely fresh Orchids at any time at reasonable prices.

Gladioli, Peonies, Roses, Beauties,  
 Carnations, Sweet Peas.

All Seasonable Flowers at the Right Price.

Green and Broze Gelax 65c per 1000

15 Diamond Square, PITTSBURG, PA.

Mention the American Florist when writing

### PEONIES in any Color or Quantity.

JOHN W. MCINTYRE, Wholesale Florist,  
 Specialties.

1601 Ranstead St., above Chestnut, Philadelphia.  
 Phones Bell, Spruce 63 74 A. Keystone Race 4042

### Philadelphia.

#### AN AVERAGE BUSINESS.

The past week is much the same in point of business as was the same period of the past year or two. There was probably more business as there is unquestionably a greater quantity of flowers to be handled and conditions as to surplus seems about the same. The quality of the stock is excellent in all lines; the sweet peas which were having a washed out appearance are now seen in all the splendor of new crop from outside vines and are one of the best sellers. My Maryland rose appears to have a shade on Killarney at present, the flowers having more body and being preferred on this account. Carnations are still fine and notwithstanding the extra demand from out-of-town points there were plenty for the home consumption at a very small increase in price. Peonies have had their inning the past week. They were never in better form. The weather conditions, cool and with an abundance of rain, brought the crop along gradually. Quite a number have been put into the cool rooms, but the June weddings will bring them out, one of the large commission houses saying that they had orders for the first 10 days of June that would clean up their stock nicely. American Beauties have been selling very well, but the last week's shipments are showing the effects of the winter's campaign and there is a distinct falling off in quality. Valley and Easter lilies are seen in quantities for all demands, and these flowers are an important factor, as is evidenced in the hurry and scurry for them when the shipments happen to be light.

#### NOTES.

Wm. K. Harris turned over his usual fine lot of Crimson Ramblers the past two weeks. They do things with system here. As soon as the Easter crops were out of the way, or as room was made at Easter, the men between times of loading the wagons were kept busy bringing ramblers in from frames where they had been wintered, so that not a day was lost, and the result was a splendid lot of well flowered stock that was all cleaned up to the last pot

#### OUR SUMMER CUT OF

## Beauties, Kaiserins, Killarneys

Is now on. This stock will please you.

McCALLUM CO.,

937 Liberty Ave. Pittsburg

## Pittsburgh Cut Flower Co.,

Wholesale Florists and Growers,

The House that has and sells good goods at fair prices.

Salesrooms, 222 Oliver Ave.

PITTSBURGH, PA.

## Wholesale Flower Markets

| PHILADELPHIA, June 1.         | Per 100     |
|-------------------------------|-------------|
| Roses, Beauty, extra.....     | 20 00@25 00 |
| "    first.....               | 10 00@15 00 |
| "    Brides and Maids.....    | 4 00@ 6 00  |
| "    Tea.....                 | 4 00@ 6 00  |
| "    extra.....               | 8 00@10 00  |
| Carnations.....               | 2 00@ 4 00  |
| Callas.....                   | 8 00@10 00  |
| Cattleyas.....                | 40 00@50 00 |
| Lilium Harrisii.....          | 8 00@10 00  |
| Lily of the Valley.....       | 4 00@ 5 00  |
| Mignonette.....               | 3 00@ 4 00  |
| Peonies.....                  | 3 00@10 00  |
| Snapdragons.....              | 4 00@12 00  |
| Sweet Peas.....               | 50@ 1 00    |
| Adiantum.....                 | 75@ 1 00    |
| Asparagus..... per bunch..... | 50          |
| Smilax.....                   | 15 00@20 00 |

| PITTSBURG, June 1.                  | Per 100     |
|-------------------------------------|-------------|
| Roses, Beauty, special.....         | 12 00@15 00 |
| "    extra.....                     | 8 00@12 00  |
| "    No. 1.....                     | 4 00@ 6 00  |
| "    Bride Bridesmaid.....          | 2 00@ 6 00  |
| "    Chatenay.....                  | 2 00@ 6 00  |
| "    Killarney.....                 | 2 00@ 6 00  |
| "    My Maryland.....               | 2 00@ 6 00  |
| "    Richmond.....                  | 2 00@ 6 00  |
| Carnations.....                     | 1 00@ 2 50  |
| Callas.....                         | 6 00        |
| Cattleyas.....                      | 40 00@50 00 |
| Daffodils.....                      | 1 00@ 3 00  |
| Geraniums.....                      | 15 00@20 00 |
| Gladioli.....                       | 4 00@ 8 00  |
| Lilium Longiflorum.....             | 6 00@10 00  |
| Lily of the Valley.....             | 3 00@ 4 00  |
| Pansies.....                        | 50@ 1 00    |
| Primroses.....                      | 50@ 75      |
| Sweet Peas.....                     | 25@ 50      |
| Adiantum.....                       | 1 50        |
| Asparagus Sprengeri, per bunch..... | 50          |
| strings...per string.....           | 50          |
| "    sprays...per bunch.....        | 50          |
| Smilax.....                         | 15 00       |

The retail end of the Memorial day business cannot be said to be on the increase in this city; there is certainly not the general demand, locally, there was 10 years ago. The central city stores were not at all rushed and the comment was frequently heard that the flower demand, on account of the observance of the day, had dwindled to very small proportions.

The Leo Niessen Co. had a fine Memorial day business. "We had lots of everything," said Mr. Niessen, "being especially strong on peonies and carnations, and we found lots of demand for them and all lines of stock."

H. Bayersdorfer Co. say this was the best Memorial day business they have ever had. Metal wreaths were handled in large quantities, as were the bronze and green magnolias.

Ed. Reid said he never handled so many peonies, carnations and sweet peas as at this time, and thinks the future of the flower business is very bright.

Alfred Campbell is first in with a fringed double white petunia that is especially fine for funeral work. It comes from his Collingdale nursery.

At McKissick's they had a fine clean up and were very well pleased with the trade.

K.

### Kansas City.

As usual at this time of the year there has been a scarcity of stock. The market was entirely cleaned up on carnations, roses and all bulb stock. Peonies, alone, remained in any kind of a supply. This year's business for Memorial day was the heaviest in years. If it had not been for the rain which commenced about 10 o'clock Monday morning there would have been a greater amount of business done.

#### NOTES.

The window of the Rock Floral Co. has been very artistically decorated for the past few weeks. They certainly have an expert for that work.

Sam Murray reports that he had an exceptionally good business for Memorial day commencing Friday and lasting until late Monday.

We hear that the Alpha Floral Co. has ordered another automobile to help take care of the ever-growing business.

The rain last week was the heaviest on record. Something like five inches fell in one day.

The Geo. M. Kellogg Flower & Plant Co. sold nearly all of the 25,000 peonies which were stored for Memorial day.

A. F. Barbee says that his coolers were completely emptied on May 30.

MISSOURI.

RICHMOND, VA.—Ratliffe & Tanner are building a fine new store at their old location, 25 Broad street, and are located temporarily in a store next to the Taylor Co.

MINNEAPOLIS, MINN.—Frank Hayes, because he was discharged, it is alleged, entered the greenhouses of his former employers, Will Bros., May 18, and destroyed 25,000 carnation buds. A warrant has been sworn out for his arrest.



# AT AUCTION

Every Tuesday and Friday at High Noon a Choice Consignment of

**BAY TREES, Standard and Pyramidal. Also  
Tubbed LATANIAS, PHOENIX and KENTIAS,  
BEDDING PLANTS of all descriptions.**

**WM. ELLIOTT & SONS, 42 Vesey St., New York.  
W. J. ELLIOTT, Auct.**

## New York.

### MEMORIAL DAY TRADE FAIR.

In the principal retail stores of this city Memorial day trade does not reach large proportions. As a rule, it is the retailers who are located near such great cemeteries as Greenwood and Woodlawn who reap the reward. In proportion to population this city does not have as good business for that day as Boston, Philadelphia, Washington and other cities. The reason is not hard to find. Many of the wealthy native-born people, who, if they were here, would be likely to show reverence for the soldier dead, are in Europe, or at pleasure-seeking resorts. Again, there is here a great foreign population that cannot be expected to take an interest in the things of which they know but little. While the past week was very dull up to Friday, it then took a turn for the better, Saturday being a good day. As previously outlined, if we cannot consume all our stock we are ready to dispose of it to our neighbors at reasonable figures. A large number of carnations were shipped to Boston and other points for the Memorial day business. The arrivals of roses are heavy and prices are rather low. Good sweet peas sell well, touching \$1.50 to \$2 per dozen bunches for the best. Retailers say that there is a tendency to increase wholesale prices that is not warranted, according to the volume of stock arriving, but that is an old story. The unusually warm weather of this spring brought in a large amount of inferior stock which necessarily sold cheap.

May 30.—Business in the morning hours was very quiet. There was an abundance of stock, but flowers were not above the ordinary. It is said that special American Beauty roses could not be bought on Saturday, May 28, for 30 cents each. However, conditions have changed and they are now going at 15 cents each. Had it not been for the great amount of stock that was shipped out to other cities, Memorial day business would have been a frost.

### NOTES.

John Kent Zee, a young gardener employed by Tappen Fairchild of Sedgwick avenue, the Bronx, arose from dinner in the kitchen of the Fairchild place a few nights ago, after a tiff with one of the maids and walked toward the stairs leading into the cellar. At the top of the stairway he drew a revolver from his pocket, and before the frightened girl or the butler and his wife could stop him he put the weapon to his temple and pulled the trigger. He fell dead into the

## California Flower Market

AND

### Shipping Department

WITH

## All Kinds of Cut Flowers

31-33 Lick Place,

San Francisco,

Calif.

WHOLESALE

### ANNOUNCEMENT.

We beg to announce that on and after July 1, 1910, the premises on the first floor of the Coogan Bldg. will be under the management of **A. Moltz & Company, who will sell at wholesale only, all flowers in season in addition to roses.**

A. Moltz

Maurice L. Glass.

**A. MOLTZ & COMPANY, Wholesale Florists,**

Tel. 2921 Madison Sq. Open from 5 a. m. to 6 p. m. Coogan Bldg., 55-57 W. 26th St., New York.

cellar. The gardener had been an admirer of the girl since she had been employed by the Fairchilds, and she had not accepted his attentions.

John I. Raynor, who for many years has been a noteworthy and interesting personality in the wholesale district, will retire from business on June 6. He has always been an active man in the street and his word has always been as good as his bond. He has always been noted for his candor and fair dealing. He leaves the wholesale district with a clean and honorable record, and wherever, in the future, his lot may be cast, the good wishes of a host of friends will go with him. S. P. J. Smith for years foreman for Mr. Raynor will continue the business.

Philip Kessler, who for a number of years has conducted a very successful wholesale business on the second floor of the Coogan building, Sixth avenue and Twenty-sixth street, will re-

move, about July 1, to the third floor of the same building, where he has secured ample and convenient quarters for his largely increasing business.

Philip Kessler, who for a number of years has conducted a very successful cut flower business on the second floor of the Coogan building, Twenty-sixth street and Sixth avenue, will, about July 1, remove to the third floor of the same building, where he has secured more commodious quarters.

Elsewhere will be noted the announcement of A. Moltz & Co. Both members of this firm have had long experience in the wholesale business and thoroughly understand it. In enlarging their sphere they will have the good wishes of many in the trade.

Henshaw & Fenrich had a fine Memorial day business. They disposed of an enormous quantity of all seasonable stocks, notably carnations.

(OTHER NEW YORK NOTES ON PAGE 916.)



# Young & Nugent,

Telephone 2065-2066 Madison Square.

42 West 28th Street,

To out-of-town florists

We are in the Heart of

## New York

And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

# Trade Directory

—OF THE—

UNITED STATES AND CANADA.

PRICE \$3.00. POSTPAID.

American Florist Co., 324 Dearborn St., Chicago

# Traendly & Schenck,

WHOLESALE FLORISTS,

131 & 133 WEST 28th ST  
Phones: 798 and 799.

NEW YORK.

**Alexander J. Guttman,**  
**THE WHOLESALE FLORIST OF NEW YORK**  
**34 WEST 28th STREET,**  
**PHONES, 1664-1665 MADISON SQUARE**  
**ENOUGH SAID.**

# J. K. ALLEN,

Commission Dealer in Cut Flowers,

106 West 28th Street, Near 6th Ave. Elevated Station, NEW YORK

Established 1887.

Consignments of Cut Flowers handled to best advantage. Your business relations always appreciated.

Prompt returns. Weekly payments to all shippers.

Telephone 167-4468 Madison Square.

Open at 6 a. m. every day



Give us a  
Trial  
We can  
Please you.



Roses, Carnations and all kinds o.  
Seasonable Flowers in Stock.

**WM. F. KASTING CO.** Wholesale  
Commission Florists,  
**BUFFALO, N. Y.**  
Florists' Supplies and Wire Designs.

## Wholesale Flower Markets

| NEW YORK, June 1.                  |             |
|------------------------------------|-------------|
| Roses, Beauty, special.....        | 10 00@15 00 |
| .. extra and fancy.....            | 6 00@ 8 00  |
| .. No. 1.....                      | 4 00@ 5 00  |
| .. No. 2.....                      | 1 00@ 3 00  |
| .. Bride, Bridesmaid, special..... | 3 00@ 4 00  |
| .. extra and fancy.....            | 2 00@ 3 00  |
| .. Killarney, special.....         | 3 00@ 4 00  |
| .. extra and fancy.....            | 2 00@ 3 00  |
| .. No. 1 and No. 2.....            | 75@ 1 00    |
| .. My Maryland.....                | 1 00@ 4 00  |
| .. Richmond.....                   | 1 00@ 8 00  |
| .. Carnations.....                 | 1 00@ 3 00  |
| Callas.....per doz.,               | 75@ 1 00    |
| Cattleyas.....                     | 25 00@40 00 |
| Gardenias.....per doz.,            | 75@ 2 00    |
| Gladiolus.....per doz.,            | 50@ 3 00    |
| Lilium Longiflorum.....            | 2 00@ 5 00  |
| Lily of the Valley.....            | 50@ 2 00    |
| Mignorette.....per doz.,           | 20@ 50      |
| Peonies.....per doz.,              | 75@ 1 00    |
| Sweet Peas.....per doz. bunches    | 75@1 25     |

| BUFFALO, June 1.               |             |
|--------------------------------|-------------|
| Roses, Beauty, special.....    | 20 00@25 00 |
| .. fancy.....                  | 15 00@20 00 |
| .. extra.....                  | 10 00@15 00 |
| .. Bride, Maid, Killarney..... | 8 00@10 00  |
| Carnations.....                | 1 50@ 3 00  |
| Callas.....                    | 8 00@12 00  |
| Daisies.....                   | 1 00@ 2 00  |
| Lilium Longiflorum.....        | 8 00@10 00  |
| Lily of the Valley.....        | 3 00@ 4 00  |
| Mignorette.....                | 1 00@ 3 00  |
| Peonies.....                   | 5 00@ 8 00  |
| Sweet Peas.....                | 50@ 1 00    |
| Tulips.....                    | 1 00@ 2 50  |
| Adiantum Croweanum.....        | 1 25@ 1 50  |
| Asparagus Str.....             | 50@ 60      |
| Ferns.....                     | 2 50        |
| Galax, green and bronze.....   | 1 50        |
| Smilax.....                    | 15 00@20 00 |

**ALFRED H. LANGJAHR**  
**WHOLESALE FLORIST,**

55 W. 28th Street, NEW YORK.

All flowers in season. Consignments of first-class stock solicited.

Phones 4626 and 4627 Madison Square.

**KESSLER BROS.**

50 W. 28th St., NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS.

Phone 2336 Madison. Shipments Everywhere. Prompt and satisfactory. Consignments solicited.

present time. Bedding stock of all kinds is really the one good seller.

R.

**Moore, Hentz  
& Nash,**

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756  
Madison Square.

NEW YORK.

Mention the American Florist when writing

**HORACE E. FROMENT**  
**WHOLESALE COMMISSION**

American Beauty Roses a specialty. Roses, Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.

Mention the American Florist when writing

**Walter F. Sheridan**

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

131 & 133 West 28th St., NEW YORK.

Mention the American Florist when writing

—FLOWERS SHIPPED BY—

**JOHN I. RAYNOR**

Are the best product of the best growers for the New York market.

Adiantum Croweanum sold here exclusively.

49 West 28th St., NEW YORK

Telephone 1998 Madison Square.

**M. C. FORD**

Successor to FORD BROS.

Receivers and Shippers of **FRESH FLOWERS.**

121 West 28th St., NEW YORK.

Telephone 3870-3871 Madison Square.

**August Millang**

WHOLESALE FLORIST

41 W. 28th St., NEW YORK

**N. Y. Cut Flower Exchange**

Coogan Bldg., 6th Ave. & W. 26th St., New York.

Open for Cut Flower Sales at 6 o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

**V. S. DORVAL, Secretary.**

Seattle, Wash.

The word "fair" applies very well to the floral business at present, but stock is rather scarce. Funeral work and an occasional decoration constitutes the bulk of the business. Nearly all the outdoor stock has disappeared, so we have to depend entirely at present upon greenhouse stock. Carnations are scarce and in many instances of inferior quality. Good indoor sweet peas are obtainable, but in small quantities. Roses are in about the same supply they have been all winter, with little or no reduction in the price. Beauties and orchids are seen in the retailers' windows only once in a while. A liberal supply of lily of the valley is at hand at the



**George Cotsonas & Co.**

Wholesale and Retail Dealers  
in all kinds of  
**Evergreen**  
Fancy and Dagger  
Ferns Bronze and  
Green Galax.  
Phone 1202 Mad. Sq.

Main Store, 50 W. 28th St., NEW YORK.  
Mention The American Florist when writing

Perpetuated and Natural Sheet

**MOSES**

New Crop Ferns, Fancy and Daggers  
NOW READY, Price \$1.25 per 1000.

E. A. BEAVEN, Evergreen, Ala.

We Issue to Members a

**CREDIT LIST**

With Quarterly Supplements. The list now contains between 7,000 and 8,000 names. Membership fee, \$4.00 including privilege of obtaining unlimited number of commercial ratings at cost.

We also collect accounts at standard rates.

National Florists' Board of Trade, 56 Pine St., NEW YORK

Boston.

TRADE FAIR.

During the early part of last week, business was light, a condition that always precedes a great holiday. Toward the last of the week it picked up and the prospects for a great Memorial day trade were very encouraging. There was no prospect of a shortage of stock, though there was complaint regarding the quality of much that arrived, nevertheless good stock was easily found. Roses were plentiful and, up to the end of the week, there was no evidence of a scarcity of carnations. A feature of the market was a good stock of sweet peas, gladioli, cut spirea, stocks and other seasonable flowers. The outdoor lily of the valley ran a fair race with the indoor product. There were plenty of orchids, the best ones being seen at Horticultural Hall. In this connection it may be stated that there was much dissatisfaction among the commercial men regarding the date of the show being fixed so near to Memorial day. The general opinion was that it could have as well been held a week earlier or a week later. As it was, they say, it was impossible for them to leave their business.

May 28.—The market was very lively this morning and an immense amount of stock was quickly disposed of. Roses were more plentiful than carnations, but all good stock sold well, roses running from two to ten cents, carnations from four to six, with a corresponding advance in other good stocks.

**NOTES.**

Hoffman's fast automobile is now kept busy with deliveries for his two Boston stores and trips to his Cambridge place. His new store, opened about two months ago at 18 State street, is prosperous, while his store at 61 Massachusetts avenue, continues to be a busy mart of trade. His store and greenhouses at Cambridge, opposite Mt. Auburn cemetery, do a good business and the glass area will be enlarged this summer.

Edward MacMulkin had a nice exhibit of flowering and foliage plants at the orchid show and was awarded a silver medal. A silver medal was also awarded Wm. Sim, the well known violet and sweet pea specialist, for his sweet peas.

**New Crop Ferns Now Ready, only \$1.75 per 1000.**

Telegraph office, New Salem,  
Mass. L. D. Phone, Connection.

Let us have your orders now for Memorial Day, and you will be sure of the best to be had and at rock bottom prices.

Galax, bronze or green, 75c per 1000.  
Special lot of Bronze Galax, at \$6.00 per case of 10,000. SPHAGNUM MOSS, 12-barrel bales for \$3.50. Nice stock. Try a bale. GREEN MOSS, \$1.25 per barrel.

Use our LAUREL FESTOONING, for

decorations, 4c, 5c, and 6c per yard. Made fresh daily from the woods.

SMILAX, 50 lb. cases, \$6.00. PINE, 7c per lb.

Nice, large bunch of Laurel Branches, 35c. Laurel and Pine, wreaths, \$2.00 to \$3.00 per doz. Boxwood, \$15.00 per 100 lbs.

**Crowl Fern Co.,**

**Millington, Mass.**



FANCY.

**Henry M. Robinson & Co.**

Wholesale Commission Florists.

**Cut Flowers** of all kinds, Hardy Cut Evergreens and Florists' Supplies.

New Crop Dagger and Fancy Ferns ..... \$2.00 per 1000  
Bronze and Green Galax ..... \$1.00 per 1000; 8.50 per 10 000  
Leucothoe Sprays ..... \$1.00 per 100; \$7.50 per 1000

Southern Wild Smilax, Branch Laurel, Laurel Festooning,  
Green and Sphagnum Moss, Boxwood Sprays,

A large stock constantly on hand. Can fill orders at a moment's notice, Telephone or telegraph.

Telephones: 2617-2618 Main; Fort Hill 25290.  
15 Province Street and 9 Chapman Place,

**BOSTON, MASS.**

**FANCY FERNS, \$2.00 per 1000**

New Crop Galax, Bronze or Green.....\$1.25 per 1000; 10,000, \$7.50  
Sphagnum Moss, large bales .....\$1.25; 6 bales, \$7.00. Extra fine  
Leucothoe Sprays, Green and Bronze.....\$1.00 per 100; \$7.50 per 1000  
Boxwood.....per bunch, 35c; 50-pound case, \$8.50

Florists in the Middle and Western States can save money  
by placing their orders with us. A trial order solicited.

**MICHIGAN CUT FLOWER EXCHANGE, Inc.**

Wholesale Commission Florists and Florists' Supplies,

38-40 Broadway,

All phone connections.

**DETROIT, MICH.**

**New Crop Ferns**

**FANCY and DAGGER** ready May 1st.

Special price for large orders  
Price \$1.25 per 1000.

**CALDWELL THE WOODSMAN CO.,**  
**Evergreen, Alabama**

L. Smith of Tewksbury, who in the past has been noted for his violets, now brings in good carnation stock.

In the Boston Co-operative Market, business was enlivened by orchestral music and everybody stepped lively.

W. H. Elliott had 250,000 roses for the Memorial day trade.

BALTIMORE, MD.—Chas. H. Cook is having four houses built on his property on Old Frederick road at Catonsville.

LEBANON, IND.—The demand for flowers here has been unprecedented, two greenhouse establishments being unable to supply the local demand. A few more days in the year like Mother's day and the greenhouses would be stripped continually.

CLARKSBURG, W. VA.—The secretary of state has issued a state charter to the Greenhouse Company of Clarksburg to operate greenhouses. Capital stock, \$25,000. The incorporators are: N. J. Hayman, C. C. Jarvis, C. H. Griffin, I. J. Coston of this city, and John C. Johnson of Bridgeport.

P. L. Carbone has just returned from a business trip to Montreal and is much gratified with the favors shown his artistic store and lawn vases. In a short time he will sail for Europe for a vacation of two months.

Everybody was busy and among the dealers the orchid exhibition was practically forgotten. At Galvin's it was said that though they would have been pleased to attend, their work kept them busy till 11 p. m.

Welch Bros. handled an immense amount of stock. Their facilities for the care and rapid handling of good stock are unequaled and they make the best of their opportunities.

Wm. Nicholson of Framingham sent in fine carnations and feverfew, which sold fast. The last named is a fine seller at this season.

May 24 was a day long to be remembered for heat and humidity. It brought out flowers, straw hats and much profanity.

Albert Roper of Tewksbury, the originator of Fair Maid and Bay State, brought in about 12,000 carnations of fine quality.

Peirce Bros. of Waltham handled an immense amount of stock, having three heavy automobiles running for delivery.

Geo. E. Blackmer of Hyde Park is bringing in fine sweet peas. In the violet season he also has good single violets.



## DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place,

L. D. Phone 558 Lake View.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY.

Cincinnati, O.

JULIUS BAER,

138-140 E. Fourth St.  
Long Distance Phone.

New Orleans—

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838—  
CANAL ST.

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers and Boland

FLORIST

60 KEARNEY STREET.

Kalamazoo and  
Battle Creek, Mich.

H. A. FISHER CO.

Wholesale and Retail Florists.

We Handle Everything in Season.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper  
care of your orders in Wisconsin.

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled  
promptly with the choicest stock.

Washington, D. C.

GEO. H. COOKE  
FLORIST

Connecticut Avenue and L Street.

Washington,

D. C.

14th and H Streets.

Blackstone

Also

1601 Eutaw Place,

Baltimore, Md.

Alexander McConnell,

571 Fifth Ave., Windsor Arcade,

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL  
Western Union Code.

Steamship Sailings.

FROM NEW YORK EXCEPT AS NOTED.

June 7.

Potsdam, Holl.-Amer., 10 a. m., Hoboken Pier.

Kaiser Wil. II. N. Ger. Lloyd, 10 a. m., Hoboken Pier.

FROM BOSTON, Ivernia, Cunard, 9:30 a. m., Cunard Wharf.

June 8.

Lusitania, Cunard, 9 a. m., Piers 54 and 56, North River.

Teutonic, White Star, 9:30 a. m., Piers 60 and 61, North River.

President Grant, Ham.-Amer., 10 a. m., Hoboken Pier.

FROM BALTIMORE, Breslau, N. Ger. Lloyd, Hoboken Pier.

June 9.

La Savoie, French, 10 a. m., Pier 42, North River.

Geo. Washington, N. Ger. Lloyd, 10 a. m., Hoboken Pier.

FROM QUEBEC, Lake Champlain, Can.-Pacific, 3:30 p. m.

June 10.

FROM MONTREAL, Virginian, Allan, 3 a. m.

FROM PHILADELPHIA, Manitou, Red Star, 10 a. m.

June 11.

California, Anchor, 10 a. m., Pier 64, North River.

St. Louis, American, 10 a. m., Pier 62, North River.

Caronia, Cunard, 10 a. m., Piers 54 and 56, North River.

La Gascogne, French, 10 a. m., Pier 42.

Brooklyn, New York.

“WILSON”

3 and 5 Greene Ave. and 339 to 347 Greene Ave

Greenhouses: Short Hills, N. J.

— Deliveries in —

NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

New York.

MYER, FLORIST,

609-611 Madison Ave.

Phone 5207 Plaza.

Indianapolis, Ind.

Bertermann Bros. Co.

FLORISTS

.....241 Massachusetts Ave.



WASHINGTON

D. C.

Gude's

Omaha, Neb.

Hess &amp; Swoboda

FLORISTS,

1415 Farnum St.

TELEPHONES  
1501 and L 1583

Denver, Colo.

The Park  
...Floral Co.

J. A. VALENTINE, President.

Washington, D. C.

Geo. C. Shaffer,

::: FLORIST :::

Phone 2416 Main

14th &amp; Eye Sts., N. W

Write, Telegraph or Telephone.

The Florists' Market Place,  
Our Ready Reference Ad. Dept.



# DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

## Kansas City, Mo.

Geo. M. Kellogg Flower and Plant Co.  
906 GRAND AVE.

## KANSAS CITY and PLEASANT HILL, MO

Will fill all orders for Cut Flowers, Funera Designs, Wedding and Birthday Gifts that may be entrusted to them.

Mention the American Florist when writing

## Terre Haute, Ind.

John G. Heint & Son,  
129 South Seventh St.

Telephone 247.

We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

## Pittsburg, Pa.

A. W. SMITH CO.

KEENAN BLDG.

Largest Floral Establishment in America  
Established 1874. Incorporated 1909.

## Rochester, N. Y.

J.B. KELLER SONS,

FLORISTS.

25 Clinton Avenue, N.

Rochester Phone 506. Long Dis. Bell Phone 218

*M.A. Bowe*

## IN HEART OF NEW YORK CITY

Phone 2270 38th St. 1294 Broadway  
Our Motto—THE GOLDEN RULE

## St. Paul, Minn.

L. L. MAY & CO.

Order your flowers for delivery  
in this section from the

## LEADING FLORISTS OF THE NORTHWEST.

## Anderson, S. C.

THE ANDERSON FLORAL CO.

533 MARSHALL AVE.

## MICHIGAN.

Orders will be carefully  
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

GEO. A. HEINL, Toledo, Ohio.

Leading Florist,

All Orders Promptly Executed.

## In the Wrong Place.

Grocer (answering kicker's phone call)—"Dry as a bone," you say? Why, sir, you must be mistaken. Those oranges I sent you were selects—the best in the store—they were raised in California, on irrigated land."

Kicker—"Oh, the dickens with the irrigated land! I want irrigated oranges!"

## New York.

Established 1874.

**DARDS**

N. E. Corner 44th St.  
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

## New York Notes.

John P. Cleary held a very successful auction of plants on May 31 at the rooms of the Fruit Auction Co., Franklin and Washington streets. A large number of bedding plants were sold, including coleus, salvias and cannas. In addition there were many fine flowering and ornamental plants, including hydrangeas, aspidistras and dracaenas. The prices realized were the best of the season and John P. is to be congratulated for his success as an auctioneer. The aspidistra and dracaena were particularly fine stock.

George Golsner and wife of College Point, sailed for Europe, June 1, on the Hamburg-American liner, President Lincoln. During their absence their son Frank will look after the selling end of the business in the Cut Flower Exchange. John Miesem and wife, of Elmhurst, will be passengers on the same steamer, and it is understood that they will all keep company in a two months' tour of the continent.

Theodore Outerbridge, of Sunnyslands, Bermuda, after visiting the orchid exhibition at Boston, came here for a visit to his brother, who is a resident of this city. Mr. Outerbridge is an extensive grower of lily bulbs and is well known in the trade.

Special American Beauty roses went up to 30 cents on May 28, but it was merely spasmodic, as they dropped again on Memorial day to old figures. It is estimated that 150,000 carnations were shipped from here to Boston for Memorial day business.

Kessler Bros., the well known plantmen, have removed from 50 West Twenty-eight street to 450 Sixth avenue, just around the corner. Like other Twenty-eighth street dealers, they had to move on account of the building coming down.

The warm weather has greatly increased the sale of bedding stock, as it is now considered safe to plant. The roof gardens are now opening up for business, which is creating a better movement in palms and other foliage plants.

The proposition for a plant market under the Manhattan approach to the Queensborough bridge is either in a trance or dead.

The New York Cut Flower Co. is now handling a splendid line of peonies, from the Cottage Gardens, Queens.

Mrs. Chas. Schneider, of Woodside, is sending in very fine Ulrich Brunner roses. The best sell for 15 cents.

Hugh Nelson is rejoicing over a visit which the stork recently made to his home. Boy, 15 pounds.

## Cleveland, O.

The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in NORTHERN OHIO.

Mention the American Florist when writing

## Dayton, O.

**Matthews,**

—FLORIST—

16 W. 3rd Street.

Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones  
Mention the American Florist when writing

## St. Paul, Minn.

HOLM & OLSON,  
ST. PAUL

The Leading Florists of the Northwest

Orders will be well cared for anywhere in MINNE-OTA AND THE DAKOTAS.  
Mention the American Florist when writing

## Los Angeles, Calif.

J. W. Wolfskill,  
FLORIST,

Telegraph Orders  
A Specialty. 218 W. 4th St  
Mention the American Florist when writing

## Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**  
96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Mention the American Florist when writing

## Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

**DANIELS & FISHER**

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

## Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

## Pittsburg, Pa.

H. L. BLIND & BROS.,

Two Stores: Liberty Av. & 5th St., 5424 Center Av.  
Greenhouses: West View.

TWO IRISHMEN, bent on robbery, held up a passing Scotchman. After a long, fierce fight, in which the Scotchman almost had the better of it, they succeeded in conquering him. A thorough search of his clothes disclosed one lone five-cent piece. "Troth, Pat," said Mike disgustedly, "If he'd had tin cints instead of a nickel he'd have murdered the two of us!"



## DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

## GREAT BRITAIN

## WILLS &amp; SEGAR,

Royal Exotic Nursery,

Onslow Crescent. S. Kensington, London

## FLORISTS TO HIS MAJESTY THE KING.

We shall be pleased to carry out commissions from our American confreres to deliver CUT FLOWERS, FLORAL BASKETS, DESIGNS, etc., to any part of Great Britain.

Cablegrams—"FLOSCULO, LONDON."

Kansas City, Mo.

WILLIAM L. ROCK,  
Flower Co.,

Will carefully execute orders for Kansas City and any town in

Missouri, Kansas or Oklahoma.

St. Louis, Mo.

Write, Wire or Phone Your Orders to

## YOUNGS

1406 Olive Street,

Regular discount allowed on all orders, either Plants or Cut Flowers.

Phones Bell, Main 2306, Kinloch, Central 4981

Mention the American Florist when writing

New York.

Established 1849

## David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway

Telephones:

1552-1553 Columbus.

Choice Cut Flowers

Lansing, Mich.

## Gurdon B. Smith

Covers all Points in Michigan. Best of Shipping Facilities in all Directions. Always has the best of Everything.

Kansas City, Mo.

## Samuel Murray

..... FLORIST .....

1017 Broadway

Coates House Conservatory

Both Phones 2670 Main.

Write, Telephone or Telegraph,

All orders given prompt attention.

Louisville, Ky.

Established 1880.

## M. D. REIMERS

Successor to Chas. W. Reimers.

329 Fourth Avenue

Detroit, Mich.

## John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Mention the American Florist when writing

Lexington, Ky.

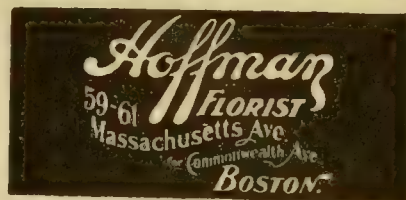
Business has been somewhat irregular here this spring owing to so much rain and cold weather. Last week the cold and rain shortened up stock, however, and the supply just about equaled the demand, so things were easy with the retailers and they were not complaining. Plantmen, however, seemed to find complaint, not only from the fact that trade was unusually quiet, but the fact that the first warm days they looked for a grand rush among their plant customers, each one wanting their orders for bedding plants and window boxes filled at once. Carnations are in good demand and retail for 50 cents to \$1 per dozen. Roses are of fairly good quality and retail for \$1.25 to \$1.50 per dozen. Sweet peas are not abundant at present, but will be in good supply in a few weeks. They retail at \$1 per 100 blooms. Lilies of good quality bring \$2-\$3 per dozen. Gladiolus spikes are coming in of good quality and retail for \$1 per dozen. Bedding stock is good this spring and geraniums are retailing for 50c-\$1.50 per dozen. There are large quantities, also, of other bedding stock. Green goods are rather scarce at present.

## NOTES.

All the boys at the J. E. Keller Estate are very busy now getting out orders for spring stock. They have a good supply this year and everything is in good shape. Theodore Keller, of this firm, is now with the E. G. Hill Co., Richmond, Ind.

The Michler Bros. Co. on Maxwell street have been very busy planting out in the cemeteries and other places. Their stock is all looking well this year.

A. L. C.



Albany, N. Y.

## EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on Telegraphic Order.

11 NORTH PEARL STREET.

Mention the American Florist when writing

Boston, Mass.

Send flower orders for delivery in

Boston and all New England Points

To THOS. F. GALVIN, Inc.,  
124 TREMONT ST.

THE J. M. GASSER COMPANY,

CLEVELAND, O.

We Cover All Points in Ohio.

Mention the American Florist when writing

Buffalo, N. Y.

Palmer's Flowers  
"Quality"

W. J. Palmer & Son.

304 Main St.

Mention the American Florist when writing

Louisville, Ky.

## JACOB SCHULZ,

550 So. Fourth Avenue.

Colorado Springs, Colo.

## FRANK F. CRUMP,

Wholesale and Retail Florist.



## The Seed Trade.

### American Seed Trade Association.

J. C. Robinson, Waterloo, Neb., Pres.; M. H. Durryea, New York, First Vice-Pres.; F. W. Bolgiano, Washington, D.C., Second Vice-Pres.; C. E. Kendel, Cleveland O., Sec'y and Treas., Leonard H. Vaughan, Chicago, Asst. Sec'y. Twenty-eighth annual convention, at Atlantic City, N. J., June 21-23, 1910.

**VISITED CHICAGO:** E. Suhr, Copenhagen, Denmark, on a tour of the United States and Canada.

**WALTER P. STOKES**, Philadelphia, and **S. F. Willard** of Comstock, Ferre & Co., Wethersfield, Conn., sail June 14 on a trip to Europe.

**CHICAGO.**—The stork paid the third visit to the home of Leonard Vaughan on June 1. Mr. Vaughan immediately christened the new arrival Leonard, Jr. Mother and son are doing well.

**LIGHT onion seed** is what some of the Chicago onion set growers say in explaining the poor stand in their fields. Home-grown seed made the poorest showing. Ohio seed second, best Louisville seed next and California grown averaged best of all.

**WASHINGTON, D. C.**—**F. W. Bolgiano & Co.**, recently celebrated the twenty-first anniversary of their senior's starting in business by moving into the new 5-story warehouse, 1009 B street northwest, with a frontage of 32 feet and a depth of 78 feet. The first floor is used for a general salesroom, the second for fertilizers, the third for seeds and the fourth and fifth floors are used for implements and field seeds.

### Connecticut Seed Crops.

**Milford, May 25.**—The Everett B. Clark Seed Co. writes: "Conditions here so far have been favorable. The acreage of our principal crops is about an average; the biennial seed crops have got a nice start, and, for this time of the season, promise well. Sweet corn planting is completed, with seed of fair average strength, and with the conditions we are getting we think it should germinate satisfactorily. Warmer nights would be more favorable to this crop, but in view of the conditions that we have undergone for years past, we feel that it is our duty to bear a smiling countenance in view of present conditions and to hope for immunity from anything worse. A good crop is due us and in our opinion a good

average crop will be the best thing for the seed trade in general, as we have had a succession of years of shortage quite sufficient for the good of the business."

### Long Island Seed Crops.

**Hempstead, May 20.**—But few seed crops are sufficiently advanced to afford any idea of the outcome. Cabbage seed crops are doing well so far and promise an average crop, excepting Danish Ballhead, which does not seem to winter well here. Fields of this have gone back since planting out this spring. Stock from imported seed seems to fare worse than our own, but none we think do as well as American grown acclimated stock, and even that cannot compare with our old reliable sorts of late cabbage, several of which date back a century. So much seed is now grown in California and Europe that seed growers of the United States east of the Rockies cannot compete at the ridiculously low prices.—**F. B.**

### Nebraska Seed Crops.

**Fremont, May 20.**—Seed growers are now busy planting. It is said the acreage of nearly all named varieties of sweet and field corn in Nebraska and western Iowa will be very much smaller than usual owing to lack of choice selected seed stocks, also on account of the many farmers refusing to contract again this year. The same will apply to some vine seeds, especially pumpkin and squash, the acreage of which will be considerably smaller than last year. It is believed the time is fast approaching when it will be necessary to pay much higher prices for sweet and field corn, as well as for vine seeds, to get out sufficient acreage to cover the ordinary requirements of the trade.

**Waterloo, May 21.**—Vine seeds are going into the ground under fairly favorable conditions.

### New York Seed Crops.

**Cambridge, May 21.**—Peas are now practically all in the ground but very few of them are above ground. Growers are encouraged to this extent about the crop of peas—they went into the ground in good shape, the ground is in good condition and they are planted early enough to insure a crop if the weather is not unfavorable later on. A good crop of peas is needed this year for the market is very bare and the demand is exceedingly good. Hardly anything else has been planted.

### Wisconsin Seed Crops.

**Sheboygan, May 20.**—Peas went into the ground in better condition and earlier than usual in many sections. Farther north they were not planted so early, but in a general way the peas went into the ground in as fine condition as experienced growers have ever known and had the best start they have ever had. This was in April, however, and during May the weather has been very unfavorable, cold, with very little rain or sunshine and the crop has not made such progress as might have been expected. It is hard to predict what harm such a condition has brought about; by June 20 we can tell better.

Farmers are making preparations to plant beans earlier than usual and will no doubt commence planting next week in some of the more advanced sections.

### April and May Business.

**A. C. Kendel, Cleveland, O.**, writes: "Our trade lasts so late in June that it is hard to say what the outcome will be. This is true, however: We are practically cleaned out of high priced stocks of all kinds and are having a heavy trade at present in plants, both vegetable and ornamental."

**J. M. Thorburn & Co., New York**, write: "While the nature of our business is such that it varies little from year to year, the past season was even better than former years."

### The Callan Seed Bill Passed.

**Albany, N. Y.**—The Callan seed bill, of which mention has been made from time to time in the columns of the AMERICAN FLORIST, has passed the legislature. It went through under the provisions of an emergency message which acted as a suspension of the rules. The phraseology was modified in places, but the intent and spirit of the bill remain intact. It will now go to Governor Hughes. **R. D.**

### Government Free Seeds.

If this were a country of paupers, ne'er-do-wells, or self-confessed failures, this bounty might in some way be justified, or even be necessary, but the spectacle of our enlightened government annually projecting a miscellaneous lot of common seeds upon an intelligent and prosperous public is ludicrous.

Seeds are sent to large numbers who neither care for nor use them; in other instances they are sent in bulk to political hangers-on to place where "they will do the most good" and are handed out indiscriminately to Tom, Dick and Harry, and, being "free," Tom, Dick and Harry take them on the theory that they can't lose.—**F. D. Coburn** of Kansas Department of Agriculture in Chicago Daily News.

### Imports.

During the week ending May 21, imports were received at New York as follows:

Wadley & Smythe, 8 cases plants.  
McHutchison & Co., 1 case plants.  
J. M. Thorburn & Co., 5 bundles, 1 bag seed.

To others: 1,452 bags seed, 225 cases plants, 155 tubs laurel trees, 39 cases orchids.

## Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale  
Trade Only.

**SAN JOSE, CALIF.**

## Pieters-Wheeler Seed Company

HOLLISTER, CAL.

Growers of High Grade Seeds

Onion, Lettuce, Radish, Sweet Peas, Etc.

CORRESPONDENCE SOLICITED.







High-class Seeds, Bulbs, Plants, Shrubs and Nursery Stock.

**"BUDS"**

CARL R. GLOECKNER, President,  
76 Barclay St., NEW YORK CITY

COLD STORAGE LILY OF THE VALLEY PIPS

\$12.50 per 1000 in cases of 2000 only.  
Finest German, not Dutch grown. Ready now.

For Fall Delivery 1910

Our own imports from Japan.

|                    |                       |          |
|--------------------|-----------------------|----------|
| Lilium Longiflorum | Multiflorum, 7-9..... | Per 1000 |
| "                  | Giganteum, 7-9.....   | \$50 00  |
| "                  | Formosum, 7-9.....    | 65 00    |
| F. O. B. New York. |                       |          |

**Telegraph Code**  
**Am. Seed Trade Association**  
—\$2.00—

In either stiff or flexible cover. Address orders  
AMERICAN FLORIST CO., CHICAGO

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**SEEDS**

OF ALL KINDS APPLY TO  
W. W. JOHNSON & SON, Limited,  
Boston, England.

Mention the American Florist when writing

**BURPEE'S  
SEEDS  
PHILADELPHIA**

Wholesale Price List for Florists  
and Market Gardeners.

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**The Everett B. Clark Seed Co.**  
**Growers for the Trade**

Beans, Peas, Sweet Corn, Onion, Turnip,  
Radish, Beet, Etc.

Branches: Michigan and Wisconsin. **MILFORD, CONN.**

Mention the American Florist when writing

**Waldo Rohnert**

GILROY, CAL.

**Wholesale Seed Grower**

Specialties: Lettuce, Onion, Sweet Peas, Aster,  
Cosmos, Mignonette, Verbena, in variety.  
Correspondence solicited.

Mention the American Florist when writing

**S. M. Isbell & Co.,**

Jackson, Mich.

**CONTRACT SEED GROWERS,**

Bean, Cucumber, Tomato, Pea, Muskmelon,  
Squash, Watermelon, Radish, Sweet Corn.  
Correspondence solicited.

Mention the American Florist when writing

**John Bodger & Sons Co.**

Gardena, Calif.

Wholesale growers of Sweet Peas,  
Tomatoes, Lima Beans, Lettuce, Asters,  
Cosmos and other Flower Seeds.

Mention the American Florist when writing

—TO THE TRADE—

**HENRY METTE, Quedlinburg, Germany.**

GROWER and EXPORTER on the VERY LARGEST SCALE of all  
CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

**Specialties:** Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions,  
Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias,  
Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes,  
Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

**HENRY METTE'S TRIUMPH OF THE GIANT PANSIES**, (mixed), the most perfect and most  
beautiful in the world, \$5.00 per oz., \$1.50 per ¼ oz., 75c per 1-16 oz, postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and  
are warranted true to name, of strongest growth, finest stocks and best quality.

ALSO GROW LARGELY SEEDS ON CONTRACT.

**W.J.Eldering & Son**

**WHOLESALE BULB GROWERS,**

**Overveen, Haarlem, Holland.**

**Headquarters for High Grade Hyacinths, Tulips, Narcissi.**

**Quality With Fair Prices.**

We ship first quality Holland Bulbs to the American Trade. That is the sole basis of  
the continuous and ever increasing patronage of the most critical, high-class American  
buyers, covering many years. We are now prepared to book orders for the best stocks  
at reasonable prices.



## Market Gardeners

### Greenhouse Vegetable Growers and Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President;  
Franklin DeKleine, Grand Rapids, Mich.,  
Vice-President; S. W. Severance, 508 Illi-  
nois Life Building, Louisville, Ky., Secre-  
tary; M. L. Ruetenik, Cleveland, O., Treas.

### Notes on Tomatoes.

Whether to stake or not to stake tomatoes is a much debated subject. Like a good many others, this one will never be settled to the satisfaction of all. Where it pays one man to stake and sucker part or all of his crop, another would lose money by doing so. This subject is brought to the front again by several experiment station bulletins recently published, condemning as a whole the practice of training or staking. Right here is where so many experiments are misleading; they lack the practical side. By this we mean the ability to take the crop to market and bring home the money.

We find that for the early trade it is absolutely necessary to stake our tomatoes as we cannot sell the product from prostrate vines. It lacks the finish which is so necessary for table fruit. There are other considerations. During rainy spells the trained vine will set fruit where the other will not, and when it comes to picking the crop, we gain all the time and labor lost for staking.

To us it is more a matter how to stake than any other. We have had very good results by transferring the greenhouse system outdoors. This is simply setting stakes about 10 feet apart and stretching a wire over these to which the vertical strings are tied upon which the vines are hoisted. We generally have four plants between the stakes and use American twine flax. We used to stretch a bottom wire, but found it very much in the way for boxing, hence quit it and get along just as well by simply tying the twine loosely to the tomato plants near the ground.

Just as important as any other part of the work is spraying. We believe there is no other factor so important as thorough spraying with Bordeaux outdoors. In the greenhouse it will be necessary to watch the moisture. Tomatoes should not be sprayed or syringed to supply moisture. They do better with dry foliage. The moisture at the roots has a great deal to do with the dreaded black rot. It usually is companion to insufficient water. However, one must not err on the other side—too much water means vine and no fruit. After fruit has set, a mulch of manure is in order to help control moisture and sustain the crop. While tomatoes love heat, there is a time when even that is too extreme and a light shade is beneficial. We generally shade about the last of June. It helps to finish up meaty and well flavored fruit. It generally pays best to sell greenhouse tomatoes in small packages, say peach baskets, and weigh the fruit.

MARKETMAN.

# Five Minutes to Twelve

Time is getting very short indeed. I will ere long be harvesting my crops of

## Improved Bermuda Onion Seeds

Kindly write to me to-day, **without fail**, telling me your requirements this fall.

**FEDERICO C. VARELA,**

**Teneriffe, Canary Islands**

Your letter takes 20 to 25 days to reach me.

### The Cabbage Maggot.

The cabbage maggot (*Phorbia brassicae*) is one of the most serious insects that growers of this vegetable have to contend with. Young plants, soon after being set out in the spring, are often found to have their roots infested with these maggots, their presence being indicated by the dying of the plants, says a bulletin of the Ontario Department of Agriculture. They are white, footless larvæ, the offspring of slender two-winged flies, smaller than the ordinary house fly; the eggs are laid on the stems of the plants close to or just beneath the surface of the ground; when hatched, the maggots burrow down into the roots, where they tear the tissue with the hooks which take the place of their jaws, and live upon the sap; the breaking up of the cells of the plant causes a rot to set in and the entire destruction of the root soon follows. When full grown the maggots form their reddish brown puparia in the soil near by, and from these a second brood of flies soon emerges. Working under ground as they do, it is a difficult matter to apply any effective remedy; the only one that has proved useful is a decoction of pyrethrum insect powder (quarter of a pound to a gallon of water) or white hellebore of the same strength. The earth is drawn away from the root of an affected plant and half a tea-cupful is poured in; the soil is then replaced and hilled up around the stem.

Preventive measures are less troublesome and usually more effective. One of the best is the screening of newly set-out cabbages and cauliflower with cheese-cloth. Light frames of slats are made eight feet long, two wide and two high; over these is tacked cheesecloth which should reach to the ground on all sides, and be prevented from blowing about by heaping a little earth on the edges. These frames cost very little and can be readily moved when required and stowed away for future use; they should be put on as soon as the plants are set out and left till they are well-grown. The frames not only prevent the flies from laying their eggs on the plants, but also keep off the other insects which are liable to attack them.

### Prices of Indoor Fruits and Vegetables.

New York, May 28.—Mushrooms, 40 cents per pound; cucumbers, 75 cents to \$1 per dozen; lettuce, cold frame, 62½ cents per dozen heads; tomatoes, 17½ cents per pound; grapes, Hambros, \$1.15 per pound; Gros Colman, \$1.50 per pound; Muscats, \$2.50 per pound; peaches, French grown, \$10 per dozen.

Chicago, June 1.—Mushrooms, 40 cents to 50 cents per pound; cucumbers, \$1 to \$1.25 per dozen; leaf lettuce, 22-25 cents per box; head lettuce, Louisiana, \$1.-\$1.25 per hamper; \$6½ barrel (sugar barrel size); radishes 25-30 cents per dozen.

## Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE \$1.10

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### Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

### European Horticulture.

FROM THE FRENCH TRADE PAPERS.

New delphiniums are announced by V. Lemoine & Son, Captain Flegenschuk, broad flowers, mauve, bordered cobalt; Lieutenant Delacourmurve, broad semi-double flowers, center mauve, exterior ash; Lieutenant Vasseur, soft mauve, bordered light blue; Sergeant Beranger, semi-double mauve mixed with light blue, black centers.

A French horticulturist, Professor Bazin, tells us that cut flowers will last five days or so longer in water if, instead of cutting the stems, we crush them for an inch or so and then cut or break them—the increased capillary surface, especially in woody plants, is the explanation. The experiment, at least, is a simple one.

A new hardy aster, *Mesa grande speciosa grandiflora*, is of a brilliant blue violet color, very early; grows 15 to 20 inches high, and blooms from July till frost, retaining its good foliage throughout the summer. The flowers are large, the corollas fine and fringe-like, and the plant very attractive.

The new English tomato, *Invicta*, is one of those fine flavored, medium sized fruits which are equally at home outdoors or under glass. They average five fruits to the pound, very round and smooth and these are carried in immense clusters. It is dwarf and vigorous, bearing from June till frost.

The International Institute of Agriculture of Rome has decided to publish monthly a bulletin of agricultural statistics in French, with German, English, Spanish and Italian editions. The first number appeared in January, 1910.

The largest of all gaillardias, *Mastodox*, of Rivoire & Son, is a beautiful golden yellow color and is expected



to be a great success, as well as their *Primula obconica cœrulea*, said to be a true blue.

*Beaute de Lyon* (*Rosa Perentiana*) is a novelty of M. Pernet-Ducher.—A strong grower with straight and strong branches and bright green foliage, flower large, double, globular, always opening well, a superb coral color, slightly shaded with yellow. Perfectly hardy, it differs from its parent, *Soleil d'Or* by its greater vigor, its flowers being much less double and its petals larger. While remontant, it is hardly free of bloom, but its remarkable coloring assures it a place and a welcome. It is expected to be especially desirable to grow for sale in pots.

*Cornus Bretschneideri*, a new and attractive dogwood, presents special attraction to landscapists in its winter coloring. It is very erect and regular in growth, has the typical long-pointed foliage, bright green above, silvery below and the corymbs of flowers, about three inches in diameter, are white, lightly touched with rose, followed by dark blue berries. Most attractive also in winter are the shoots and branches of light olive green, shaded yellowish or even at times lemon yellow, with reddish tips, standing out well against a wintry background.

The New Rose Deutschland.—A hybrid of *Snow Queen* and *Soleil d'Or* combines the best qualities of both. It is said to surpass all other roses in beauty of foliage, and its young wood, grass green at first, becomes the darkest of all greens. The buds are white when quite small, and as they approach the point of blooming they take on a shading more and more orange—the exterior of the petals is as if shaded with a light wash of rose. It is very vigorous, producing its flowers singly or in clusters of three.

The centennial anniversary of the birth of Louis Van Houtte will be celebrated at Gendbrugge near Ghent June 26, in a series of festivities arranged by a committee of noted Belgian horticulturists. Mr. Van Houtte is hailed as the father of the horticultural industry in Belgium, who, by his public spirit, his eminence in his profession and his personal character exerted a lasting influence, and left a name which is honored throughout the horticultural world.

Hybrid Tea, Grossherzog Friedrich.—Mme. Caroline Testout by Meta. Not so large or long-stemmed as Mme. Testout, but more double, the bud longer and more pointed, the coloring deeper, the yellow-red of Meta shining through the delicate carmine rose. It is free blooming, forces well, has strong, sweet fragrance and is healthy. The flowers develop slowly and last long, 6 to 10 days, cut, without a bluish tinge.

A dwarf green bean which is extremely popular in France is *Sans Rival*, a very long, slender round green bean, which is curiously marked with streaks and marblings of black, which disappear in the process of cooking. It is the result of selection from a favorite market bean shipped from the gardens of the south of France to the Paris market.

The rose department of the National Horticultural Society of France has undertaken the task of making a list of the best roses to grow. Such a work has long been contemplated, and it is to be carried out as rapidly as possible.

*Rose, Marquise de Ganay* (hybrid tea) is a novelty of Mr. P. Guillot, of 1909. Issue of *Liberty* by La France. It resembles the former in its erect

## Boddington's Quality Flower Seeds for Florists

### PRIMULA SEED

QUALITY in PRIMULA SEED is the very essence of success—when in flower you want good sized flowers and good colors; when you buy our seed **YOU GET BOTH.**

Boddington's Matchless Giant Primulas, Mixed, Boddington's Matchless Giant Pure White, Boddington's Matchless Giant Blush White, Boddington's Matchless Giant Rose, Boddington's Matchless Giant Scarlet, Boddington's Matchless Giant Royal Blue  
Above, each, ½ pkt., 60c; pkt., \$1.00.

### PRIMULA OBCONICA GIGANTEA.

*Primula obconica gigantea Kermesina*. Beautiful deep crimson.  
*Primula obconica gigantea alba*. The pure white flowers greatly enhance the beauty of the existing lilac, rose and crimson shades.  
*Primula obconica gigantea lilacina*. Beautiful lilac.  
*Primula obconica gigantea rosea*. Lovely rose.  
*Primula obconica gigantea grandiflora*. Mixed varieties, containing pure white to deep crimson. Each of above, ½ pkt., 30c; pkt., 50c.

*PRIMULA floribunda grandiflora* (Buttercup). Small yellow flowers, borne in great profusion: fine for pots: pkts., 50c. *Forbesi* (Baby Primrose) pkt., 25c.

*PRIMULA KEWENSIS* (Giant Buttercup). This plant is a strong grower, with bright green leaves and numerous erect flower scapes 10 to 18 inches in height, producing flowers in whorls at intervals along the whole length. The flowers are fragrant, bright yellow in color with a slender tube and spreading limb nearly an inch in diameter. As a winter-flowering decorative plant, it is an acquisition; very floriferous when in a small state. ½ trade pkt., 50c; pkt., \$1.00.

### Boddington's Matchless Cineraria

A combination of the three most famous English strains which we can recommend to those wishing to grow the best **Tall**, ½ trade pkt., 60c; trade pkt., \$1.00. **Dwarf**, ½ trade pkt., 60c; trade pkt., \$1.00.

*CINERARIA STELLATA* (Star-flowering Cineraria). Tall-growing, 4 to 5 feet; excellent as a single specimen for table decoration, or for grouping with splendid effect in corridors and conservatories. ½ trade pkt., 60c; trade pkt., \$1.00.

### Calceolaria Hybrida, Boddington's Perfection

Saved by England's most famous specialists. Monster flowers of rich and varied colors, including spotted, laced, blotched and self-colored varieties. ½ pkt., 60c; pkt., \$1.00.

**ASPARAGUS plumosus nanus**, true greenhouse grown, 60c per 100 seeds, \$1.20 for 250 seeds, \$4.00 per 1000 seeds. **Plumosus nanus**, California-grown, 50c per 100 seeds, 75c per 250 seeds, \$2.00 per 1000 seeds. **Sprengeri**, 25c for 250 seeds, 75c per 1000 seeds, \$3.00 for 5000 seeds.

**ARTHUR T. BODDINGTON,** Seedsman, 342 W. 14th St., New York

## SURPLUS ROSES

LOW PRICES,  
To Clean-up Quick!  
Fine, Thrifty Stock.  
All in 2½-inch pots.

|                                                                          | Per 100 | Per 1000 |                                              | Per 100 | Per 1000 |
|--------------------------------------------------------------------------|---------|----------|----------------------------------------------|---------|----------|
| 600 Anny Muller .....                                                    | \$3 50  | \$30 00  | 500 Gen. Washington .....                    | \$3 50  | \$30 00  |
| 600 Anne de Diesbach .....                                               | 3 00    | 27 50    | 10,000 Hiawatha .....                        | 3 00    | 27 50    |
| 7,000 Alberic Barbier .....                                              | 3 00    | 25 00    | 600 Leone Lamesch .....                      | 4 00    | 35 00    |
| 600 Caprice .....                                                        | 3 00    | 27 50    | 400 Magna Charta .....                       | 3 50    | 30 00    |
| 300 Coquette des Blanches .....                                          | 3 50    | 30 00    | 200 Mrs. John Laing .....                    | 3 50    | 30 00    |
| 600 Clio .....                                                           | 3 50    | 30 00    | 200 Mme. Georges Bruant .....                | 4 00    | 35 00    |
| 201 Clothilde Souper .....                                               | 3 00    | 25 00    | 500 Oakmont .....                            | 3 50    | 30 00    |
| 2,000 Flower of Fairfield (Ever-<br>blooming Crimson Ram-<br>bler) ..... | 10 00   | 100 00   | 5 0 Princess Adelaide (Moss) .....           | 4 00    | 35 00    |
| 300 Francois Lovet .....                                                 | 3 00    | 27 50    | 8 000 Philadelphia Rambler .....             | 3 00    | 25 00    |
| 300 Gen. Jacqueminot .....                                               | 3 50    | 30 00    | 300 Queen of the Prairies .....              | 3 00    | 25 00    |
| 2,000 Goldfinch (Improved Yel-<br>low Rambler) .....                     | 3 50    | 30 00    | 300 Safrano .....                            | 3 00    | 25 00    |
|                                                                          |         |          | 8 000 Veilchenblau (Blue Ram-<br>bler) ..... | 10 00   | 100 00   |
|                                                                          |         |          | 7,000 White Dorothy Perkins .....            | 8 00    | 75 00    |
|                                                                          |         |          | 200 Wichuraiana (type) .....                 | 3 00    | 25 00    |

### Odds and Ends

|                                        | Per 100 | Per 1000 |                                   | Per 100 | Per 1000 |
|----------------------------------------|---------|----------|-----------------------------------|---------|----------|
| 1000 Asparagus Plumosus<br>Nanus ..... | \$2 50  | \$22 00  | 1000 Hibiscus "Peachblow" .....   | \$2 75  | 22 50    |
| 1000 Asparagus Sprengeri .....         | 2 00    | 18 00    | 1000 Jerusalem Cherry .....       | 2 75    | 22 50    |
|                                        |         |          | 1500 Palm Kentia Belmoreana ..... | 7 00    | 60 00    |

**GUARANTEED FIRST-CLASS STOCK.** Unsold Roses will be planted out in our nurseries. Write quick, or, better, wire. **ONE WEEK ONLY.**

## JACKSON & PERKINS COMPANY

Florists and Nurserymen, Wholesale Only, NEWARK, NEW YORK, May 24, 1910

growth and freedom of bloom, while the flowers resemble those of La France.

PECKVILLE, PA.—W. J. Broad completed his new greenhouse and opened for business Memorial day.



## The Nursery Trade

### American Association of Nurserymen.

F. H. Stannard, Ottawa, Kans., President;  
W. P. Stark, Louisiana, Mo., Vice-President;  
John Hall, Rochester, N. Y., Sec'y.  
Thirty-fifth annual convention to be held  
at Denver, Colo., June 8-10, 1910.

CHERRY growers in North Michigan report sweet sorts a good crop, sour kinds badly hurt by freeze.

KALISPELL, MO. —The King-Thurston Nursery Co. has filed with the secretary of state notice of the change from the nursery to the realty business and its increase of capital stock from \$10,000 to \$50,000.

THE exports of fruits and nuts from this country to Canada during the 10 months ending April 30, 1910, show an increase of \$306,470 over those of the same 10 months in the previous year, the figures being \$3,942,845 and \$3,636,375.

WE present herewith a fine portrait of President F. H. Stannard, of the American Association of Nurserymen, and again call attention to the convention of this organization which is to be held at Denver, Colo., next week. It promises to be an extra attractive meeting and Denver is a pleasant place to visit at this season, especially in view of the fine entertainment promised by the association and the caliber of those who are scheduled to read papers there.

### The Hollies.

Of our hardy evergreen trees and shrubs that depend for their beauty throughout the year on foliage and fruit rather than flowers, the common holly is undoubtedly the most important. Apart from any other consideration, the holly and its numerous varieties will thrive in almost any soil that is not water-logged, says the Gardener, though a good, well-drained loam is the most suitable. Under favorable conditions they will form large trees, and yet are so patient of the knife that a fine specimen can be easily kept within quite a small garden. Owing to this feature, combined with the dense growth and spiny character of the foliage, the holly is largely used in the formation of hedges, and though it is of rather slow growth compared with some that are treated in this way, a well-kept holly hedge forms a delightful feature and a most effectual bar against intruders. For formal gardens the common holly and its varieties are among the most desirable of subjects as they will remain in good health however much they may be trimmed. An illustration of this is afforded by the dense thimble-shaped specimens at the back of the palm house at Kew, which, though quite old plants and rigidly trimmed every year, are in robust health. Such artificial productions as this, however, appeal only to a limited number, the majority much preferring to see a specimen holly in all its natural beauty. Even without destroying this, a plant by judicious pruning may be kept within reasonable limits.

#### TRANSPLANTING HOLLIES.

These may be successfully moved in the first part of September, but the best time of all the year to transplant them is during the latter part of April and the first half of May. At that season we often get showery weather, which to the hollies that have been

# A BLUE ROSE

## The Greatest Rose Novelty of the Century

*It flowered with us this season and was greatly admired.*

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

*Send for description and price.*

### ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

## ROSES Our Leading Specialty

Also Azaleas, Rhododendrons, Conifers, Fancy Clipped Boxwoods, Forest and Fruit Trees, Hedge Plants, Etc

Ask for Wholesale Price Lists.

S. A. VOSTERS & SONS,

RIEL, HOLLAND.



F. H. Stannard.

President American Association of Nurserymen.

moved is a great help, as it tends to keep them fresh till the roots recover from the check of removal, which at this season of the year takes but a short time. Even then in planting care should be taken to work the soil well among the roots. This is greatly helped by giving a thorough soaking of water as soon as the hole is filled up, as the soil is thereby consolidated and washed into the minor interstices which may be left. Should the weather be dry, a syringing overhead two or three times a day will be of great service. One syringing should, if possible, be done in the evening, as this gives the plant time to take advantage of the moisture before it is dried up by bright sunshine.

#### TREATMENT OF HEDGES.

While the above particulars as to transplanting refer to specimens, the same will apply as to the time of the year and other matters to the planting of hedges. For this purpose the common holly, raised from seed, gives the best results. Seedlings may be obtained from nurseries in almost all sizes, but for the formation of a hedge, plants

## A GOOD INVESTMENT

Evansville, Ind., Feb. 18, 1910.  
AMERICAN FLORIST Co.

Chicago.

DEAR SIR:—I am using your Trade Directory and out of 4000 nurserymen we circularized only two circulars came back. I am enclosing these names as you may want to make the changes.

A. J. LOCKYEAR.

New Edition Now Ready—Price \$3.00.

## JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture

from three to four feet in height are preferable, as if smaller one has to wait long for results, whereas larger plants are expensive. In the case of a newly planted hedge, it should not be clipped at all the first year, although it may be looked over in August and any straggling shoots shortened back with the knife. The second season clipping may be begun, this month being very suitable, as short growths, which relieve the otherwise trimmed-up look, are produced before winter. In planting such a permanent feature as a holly hedge it is essential to do so thoroughly. The ground should be dug to a depth of 2½ feet, and in most soils the incorporation of some well-decayed manure will be helpful. The distance apart at which the plants are to be put will, to a certain extent, depend upon their size; but, generally speaking, for the formation of a hedge the branches should quite touch or, in some instances, interlace with each other.

#### PROPAGATION OF HOLLIES.

The common holly is easily increased by seeds, which, however, lie dormant for at least a year, and generally more, after being gathered. In nurseries they are usually mixed in a heap with sand in the open air, and





# Bobbink & Atkins

World's Choicest Nursery and  
Greenhouse Products

**Bay Trees, Boxwood,  
Evergreens and Conifers,  
Rhododendrons and Herbaceous  
Plants, Kentias and Phoenix.**

We have a large quantity of all this stock We  
shall be glad to give special prices on any  
quantity \* \* \* \* \*

**Nurserymen  
and Florists**

**Rutherford, N. J.**

turned over occasionally in order to promote decomposition of the pulp. They are then sown during the following spring. The numerous varieties may be propagated either by budding or grafting on to seedling stocks of the common kind. This operation is usually carried out in July or early August.

#### HOLLIES AS BERRY-BEARERS.

Probably the fruitfulness, or otherwise, of the holly has given rise to more discussion than any other point connected with the tree. This is largely owing to the fact that in some cases the flowers are not self-fertilising; that is to say, the male and female flowers are borne on different plants. In this respect the holly is extremely singular, as individuals may be met with in which the flowers are wholly male or wholly female. In others they are hermaphrodite; that is to say, the male and female organs are present in the one flower, thus ensuring self-fertilisation. Singularly enough, examples occur in which different types of flowers are found on the same individual. With the approach of Christmas the popular mind turns to holly berries, and if they are numerous we are told that a hard winter is in prospect, this being looked upon as Nature's extra provision for the birds. This theory is a pretty one, but the fact is that the crop of holly berries depends upon the weather experienced during the flowering season in spring; if it is then dry and favorable to fertilisation, a good crop of berries is ensured. When the holly is regarded from a fruiting standpoint, the yellow-berried (fructo-luteo) must on no account be overlooked, as it is so distinct from any of the others.

Besides the varieties of the common holly, other distinct species are the



## Arbor Vitæ

(*Thuja Occidentalis*.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.  
Write for descriptions and prices.

**The Wm. H. Moon Co.,  
MORRISVILLE, PA.**

## DAHLIAS

Jack Rose and other best Cut Flower varieties. Write for list and prices.

**PEACOCK DAHLIA FARMS**

Williamstown Junction, N. J.

## LARGE TREES

OAKS and MAPLES  
Pines and Hemlocks

**ANDORRA NURSERIES,**

Wm. Warner Harper, Prop.  
Chestnut Hill, PHILA., PA.

Japanese *Ilex crenata*, with tiny box-like leaves; *I. latifolia*, also from Japan, with leaves as large as those of the laurel; *I. cornuta*, a curious Chinese species; *I. opaca*, the American holly; and the pretty little *I. Pernyii*, a comparatively new introduction from China.

[Though written for an English journal there is much in these notes that will be interesting to tree lovers in this country, especially those in localities where the English holly thrives.—Ed.]

## Phoenix Nursery Company

**Nurserymen and Florists  
BLOOMINGTON, ILLINOIS**

Send list of wants for prices.

Wholesale catalog for spring issued Feb. 1st.

Mention the American Florist when writing

## THE Storrs & Harrison Co.

**PAINESVILLE NURSERIES.  
CATALOGUES AND PRICE LISTS  
FREE ON APPLICATION.....**

**PAINESVILLE, OHIO.**

## Jacs Smits & Co., NAARDEN, (Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spiraea, Valleys.

Price List Free on Demand.

## ROSES

A SPECIALTY.

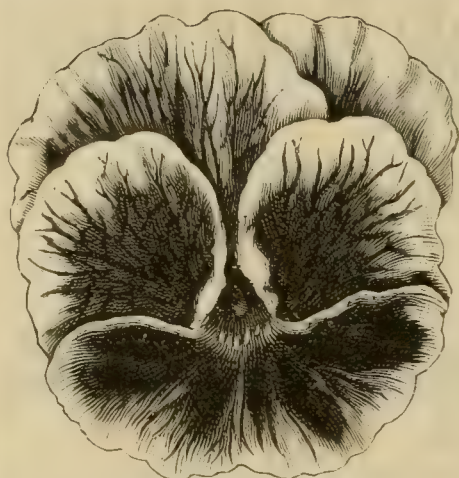
**The Dingee & Conard Co.,**

**WEST GROVE, PA**

**Eugene Pitou, Jr., CIVIL ENGINEER and  
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Phone Barclay 6084—229 Broadway New York  
Designs, Estimates, Construction of Grounds.





## Vaughan's Cut-Flower Mixture Pansy Seed

This mixture is put up by ourselves, after a carefully prepared formula, and contains mostly light-colored sorts. We have sold this mixture for several seasons to some of our Chicago cut-flower growers, who have realized big money from the sale of the flowers.

Pansies are as easily grown as Violets, require less care and bring better returns.

Trade Packet, 50c; 1/8-oz. \$1.00; 1/4-oz. \$2.00; 1-oz. \$8.00.

## Vaughan's Seed Store,

CHICAGO, 84-86 Randolph St.

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Greenhouses, Trial Grounds and Nurseries, Western Springs, Ill.

## Young Rubber Plants

2 1/2-in. pots, \$15.00 per 100.

ORDER EARLY

LIMITED QUANTITY.

**Bobbink & Atkins,**

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## Neph. Whitmani

2 1/4-in. .... 5.00 per 100  
MAGNIFICA (new), 2 1/4-in. ... 25.00 per 100

**Boston Ferns** 2 1/4-inch,  
\$3.00 per 100.

**Henry H. Barrows & Son, Whitman, Mass.**

Albany, N. Y.

Eyres has received many compliments for his work in connection with the decoration of the assembly chamber on the occasion of the memorial services for Senators John Raines, Patrick H. McCarren and William T. O'Neill, who died during the year. The speaker's desk and adjacent space were decorated with handsome palms and foliage plants. Three entrance arches in the rear of the speaker's desk at the north side of the chamber were filled in with black cloth on which was suspended empire wreaths. Each arch contained the initials of one of the dead senators in purple.

Among the recent visitors was H. A. Barnard, representing Stuart Low & Co., Royal Nurseries, Bush Hill Park, Enfield, Middlesex, England, orchid and carnation specialists. Mr. Barnard called upon F. A. Danker when in the city and said he was on his way to Boston to attend the orchid show there.

The closing days of the legislature were notable for the floral pieces sent to many of the members. Those from New York were especially favored by friends who sent some very handsome pieces.

R. D.

## A ROSE FOR EVERY GREENHOUSE

GRAFTED ROSES, Brides, Bridesmaids, 3 1/2-in. pots, \$15.00 per 100.

OWN ROOT ROSES

American Beauty.

Bride, Bridesmaid,

3-inch pots ..... \$ 9 00 per 100

3-inch pots ..... \$ 7 00 per 100

**J. L. DILLON,**

**Bloomsburg, Pa.**

## BENCH ROSES WANTED

Growers will oblige by sending to the undersigned lists of all the Bench Roses they have to offer, with prices. Advertiser can use Kaiserin Augusta Victoria, American Beauty, Killarney, Richmond, My Maryland, Mrs. Jardine, Sunrise, Perle des Jardins and others, if the plants and prices are right. In quoting, state when the plants will be ready for delivery. Address

Key 989, care American Florist.

## SPECIAL on Bedding Stock

|                                    |         |
|------------------------------------|---------|
| Queen Alexander Daisy, in bud and  | Per 100 |
| blom 3-in. ....                    | \$ 4 00 |
| Feverfew, 4 in. ....               | 7 00    |
| 2 in. ....                         | 2 00    |
| Double Alyssum, 2 1/2 in. ....     | 2 50    |
| Ageratum, blue, 2 in. ....         | 2 50    |
| Heliotrope, blue, 2 in. ....       | 2 50    |
| White Moonvine, 2 1/2 in. ....     | 3 00    |
| Salvia, Bonfire 2 1/2 in. ....     | 3 00    |
| Coleus, good assortment. ....      | 2 00    |
| 1 antans, 2 varieties, 2 in. ....  | 2 50    |
| Fuchsias, in variety, 2 in. ....   | 3 00    |
| German Ivy, 2 in. ....             | 2 50    |
| Celaurea Gymocarpa, 2 1/2 in. .... | 3 00    |
| Smilax, 1 1/2 in. ....             | 1 50    |

Ferns, in assortment and varieties, including Boston, Whitmani, Asparagus Plumosus Nanus Sprengeri Piersoni, etc.

**D. U. Augspurger & Sons Co.**  
Box 778, PEORIA, ILL.

## Pansy Plants

Large stocky plants in bud and bloom, the very best strain at \$1.25 per 100, \$10.00 per 1000; smaller plants \$2.00 per 1000.

Stocks, Dusty Miller, Verbenas, Phlox, Alyssum, Heliotrope, Ageratums, Mme. Salleroi Geraniums, Asp. Sprengeri and Scarlet Sage, fine plants out of 2 1/2 in. pots, \$2.00 per 100; 300 for \$5.00; \$15.00 per 1000.

Cabbage Plants for field, \$1.25 per 1000.

**J. C. SCHMIDT, Bristol, Pa.**

BRAMPTON, ONT.—The Dale Estate is building three new houses, each 850 feet long this season, using truss construction and solid concrete benches. T. W. Duggan and J. Cooper of this firm are at Boston this week taking in the orchid show.

## 20,000 ROSES

Ready to go out.

|                        | 2 1/2-in. | 3-in.   |
|------------------------|-----------|---------|
| American Beauty, ..... | \$6 00    | \$ 8 00 |
| Pink Killarney, .....  | 6 00      | 8 00    |
| White Killarney, ..... | 8 00      | 10 00   |
| Palmer, .....          | 4 00      | 7 50    |
| Gates, .....           | 2 50      |         |
| Maid, .....            | 2 50      | 4 50    |
| Brides, .....          | 2 50      | 4 50    |
| Ivory, .....           | 2 50      |         |
| Cardinal, .....        | 4 00      |         |
| Kaiserin, .....        | 3 50      | 5 00    |
| hatseney, .....        | 3 00      | 5 00    |
| Richmond, .....        | 3 00      |         |
| Uncle John, .....      | 3 50      |         |

Send for samples.

FERNS

We have 10,000 Boston, Whitmani, Piersoni, Amerpohl Plumosus and Sprengeri to sell at once in 2 1/2, 3, 4, 5, 6, 7, 8, and 10-inch. Send sample order.

SPECIAL

Baby Rambler Roses, Tuberous Rooted Begonias, Fancy Leaved Caladiums, Gloxinias, 5-in. 25c to 3-c; 6-in. 50c. Cinerarias, transplanted in flats at \$2.50 per 100. Primroses, \$2.50 per 100. Celestial Peppers, \$2.50 per 100.

SOFT WOODED PLANTS

Look over our list in last week's issue and if there is anything you need to help out in your bedding plants for the Spring trade write us. We have plenty of Moonvines, Vincas, Cobbeas and smaller vines. Write

**GEO. A. KUHL, Wholesale Florist,**  
PEKIN, ILL.

SUMNER, WASH.—The Sumner Floral Co. is building a greenhouse near the county poor farm.

WOBURN, MASS.—William Ward is building a large greenhouse, which is necessary owing to his rapidly increasing business.



## Mr. Florist:

Do you grow 'Mums, and do you still grow Ivory for your home trade? If so, how would you like a **Yellow Ivory**? I have it. It's a true sport exactly like its parent in all but color.

I can quote you immediate delivery on 2½-inch pot plants at **\$2.00** per dozen; **\$15.00** per 100; **\$125.00** per 1000.

**CHARLES H. TOTTY,**  
MADISON, N. J.

## Vinca Var. R. C. \$8.00 per 1000.

Asters, white, \$2.00 per 1000; **Feverfew**, 2-in., 2c; **Dusty Miller**, 2-in., 1½c; **Alternantheras**, red 2-in., 2c; **Cuphea**, 2-in., \$1.50 per 100; **Stock**, Alice and nice, 2-in., \$1.50 per 100; **Coleus**, 2-in., \$1.50 per 100; **Maurandia**, 2-in., \$1.50 per 100; **Thunbergia**, 2-in., \$1.50 per 100; **Ageratum**, Gurney, 2-in., 1½c; **Heliotrope**, 2-in., 1½c.

**ROOTED CUTTINGS**, prepaid: **Cuphea**, 75c per 100; **Vinca Variegata**, 90c per 100, \$3.00 per 1000, extra fine; **Coleus**, 10 kinds 60c per 100, \$5.00 per 1000; **Alternanthera**, red, 50c per 100, \$4.50 per 1000; **Ageratum**, 3 kinds 60c per 100; **Dbi. Petunias** 10 kinds, \$1.00, **Stevia**, 75c; \$6.00 per 1000.

Cash with order.

**BYER BROS.,** Chambersburg, Pa.

Elizabeth, N. J.

VETERANS OBJECT TO WAX FLOWERS.

Gen. J. Madison Drake, supervisor of soldiers' and sailors' graves for the board of free holders, is in trouble with the Grand Army men because he substituted wax flowers for natural blooms in decorating the graves of soldiers in Evergreen cemetery. When the veterans reached the cemetery Memorial day and found wax flowers, they were indignant. The imitations were torn up and thrown away. Afterward the veterans held an indignation meeting and prepared a letter of complaint to the board of free holders. Replying to criticisms Gen. Drake says: "Everyone I have spoken with thought the flowers were fine. It may be that the whole country will adopt wax flowers instead of the natural article."—Chicago Journal.

European Horticulture.

**Cineraria Hybrida** Cactus-flowered. —This new cineraria has the habit and colorings of *C. H. grandiflora*, and the flowers, though smaller, are more numerous; it differs, however, in having its ligules recurved and twisted like those of a cactus dahlia. The plants come true from seed and are very decorative.

**Parisian Dahlias.**—A class of semi-dwarf single dahlias, marked strikingly by having each petal heavily bordered by a contrasting color, yellow, orange or scarlet upon a white ground. They are very decorative when cut, and showy as a bed or border plant.

The new lettuce, **Sucrino**, a novelty of Mme. Cayeux and Le Clere of Paris, has the appearance of a small Romaine with deep green foliage. It heads very close, a special merit in

# LOOK! BARGAINS IN Bedding Plants

For Immediate Shipment.

NOW READY.

|                                                                                                                           |                                         |
|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| <b>Cannas</b> John D. Eisele (best red), 4-in.,.....                                                                      | Per 100                                 |
| <b>Cannas</b> Richard Wallace (best pink canna in existence, rapid grower, a new variety),                                | \$8.00                                  |
| <b>Fuerst Bismarck</b> , Kate Gray, 4-in.,.....                                                                           | 7.00                                    |
| <b>English Ivy</b> , 4-in.,.....                                                                                          | 10.00                                   |
| <b>Scarlet Sage</b> , Clara Bedman or Bonfire (in bloom), 4-in.,.....                                                     | 7.00                                    |
| <b>Ageratum</b> , dwarf, best blue, 4-in.,.....                                                                           | 7.00                                    |
| <b>Fuchsias</b> , assorted colors, 4-in.,.....                                                                            | 7.00                                    |
| <b>Double Petunias</b> , assorted, 4-in.,.....                                                                            | 7.00                                    |
| <b>Lantanas</b> , assorted 4-in.,.....                                                                                    | 7.00                                    |
| <b>Echeveria Glauca</b> for borders and large beds, fine strong plants.....                                               | \$3.00, \$4.00, 5.00                    |
| <b>Geraniums</b> , La Favorite, best double white, 4 in. pots.....                                                        | 7.00                                    |
| <b>Geraniums</b> , other best varieties, such as Beaute Poitevine, Jean Viaud, best pink... 7.00                          |                                         |
| <b>Geraniums</b> , Jean Viaud, for vases, 5½ to 6 in.,.....                                                               | 15c to 20c each                         |
| <b>Crimson Rambler Roses</b> , 7-8 in. pots.....                                                                          | 75c, \$1.00, \$1.25 to \$1.50 each      |
| <b>Rambler Roses</b> , Dorothy Perkins, one of the best Ramblers of the pink variety, pot-grown plants, 5½ to 6 in.,..... | 35c, 40c, 50c                           |
| <b>Nephrolepis</b> (Ferns), Scholzei, small 4 in. Scitii, Whitmani, Boston, medium size, 4-in.,.....                      | 25c                                     |
| <b>Rubbers</b> , 4 in.,.....                                                                                              | 25c                                     |
| <b>Cobea Scandens</b> , 4-in.,.....                                                                                       | 10c each                                |
| <b>Primula Obconica</b> , 5-in., blue, in bloom.....                                                                      | \$2.00 per doz.                         |
| <b>Dracena Indivisa</b> , 5 to 5½-in. pots.....                                                                           | 25c each                                |
| <b>Begonia Flambeau</b> , 6 in.,.....                                                                                     | 25c each                                |
| <b>Vinca Variegata</b> or Perriwinkle, 4-in., 10c to 20c 2½-in., \$3.00 per 100                                           |                                         |
| <b>Double Petunias</b> , 5 to 5½ in.,.....                                                                                | 15c                                     |
| <b>Heliotrope</b> , 4-in.,.....                                                                                           | 7c                                      |
| <b>Kentia Forsteriana</b> , 6 to 7 in., 40 to 50 in. high and over.....                                                   | \$2.00 \$2.50 to \$3.00 each            |
| <b>Kentia Forsteriana</b> , 30-35-40-50 in. high.....                                                                     | \$1.00 \$1.25 \$1.50 to \$2.00 each     |
| <b>Kentia Belmoreana</b> , 25-30-35-40 in. high.....                                                                      | 75c \$1.00 \$1.25 \$1.50 to \$2.00 each |
| <b>Kentia Belmoreana</b> , 3-in.,.....                                                                                    | 10c each                                |
| <b>Ricinus</b> or Castor Oil Plant, 4-in.,.....                                                                           | 15c                                     |

First consignment of

## ARAUCARIA EXCELSA,

just arrived from Europe, all grown from top cuttings by our specialist in Araucarias in Belgium. Plants with 3, 4, 5 and 6 tiers, in their original packing, 12-15-18-20-25 in. high, 35c, 40c, 50c, 60c, 75c to \$1.00 each.

**Robusta and Glauca**, at \$1.00 to \$1.25 each.

## GODFREY ASCHMANN

Wholesale Grower and Importer of Potted Plants, 1012 West Ontario St., PHILADELPHIA, PA.

## Geraniums

Mme. Salleri, 3-in.,.....\$4.00 per 100

**Grand Rapids Greenhouse Co.,**

**Grand Rapids, Mich.**

summer, lasts well, is thick, crisp, solid and of pleasant flavor.

An association for the establishment of small parks and public gardens has been formed in Paris, and meets monthly, at the rooms of the National Horticultural Society.

## Florists' Fertilizers

A series of papers especially written for the use of florists.

BY J. A. VOORHEES.

Assistant Horticulturist New Jersey Experiment Station.

Price 15 Cents, Postpaid.

**AMERICAN FLORIST CO.,**

324 Dearborn St., CHICAGO.



## In Small Plants

we have the following in 2½ to 3-in. pots, at \$3.00 per 100:

**Verbenas**, assorted colors.  
**Phlox Drummondii**, dwarf and grandiflora.  
**French dwarf Tagetes** (the queen of the Marigolds).  
**Cosmos**, red, white and pink (assorted or mixed).  
**Coleus**, Verschaffelti Golden Bedder, Queen Victoria (fancy colors, 4c).  
**Petunias**, Inimitable, Dwarf and Rosy Morn.  
**Sweet Alyssum**, Carpet of Snow or Little Gem.  
**Trodescantia**, two colors.  
**Thunbergia**, or Black Eyed Susan.  
**Salpiglossis**.  
**Lobelia**, Crystal Palace, blue, dwarf and trailing.  
**Centaurea Gymnocarpa** (Dusty Miller).  
**California Giant Petunia**, 3-in., \$5.00 per 100.  
**Maurandia Barclayana**, 5c.  
**Asters**, Victoria 5 separate colors, 2½-in., 3c.  
**Zinnia Elegans**, best double dwarf, assorted, 2½-in., \$3.00 per 100.  
**Candytuft**, \$3.00 per 100.  
**Acalypha**, 2½-in., \$3.00 per 100.  
**Ageratum**, blue, \$3.00 per 100.  
**English Ivy**, 3-in., \$5.00 per 100.  
**Nasturtiums**, Empress of India and about seven more fine colors, 3 in. pots, \$4.00 per 100.  
**Tomato Plants**, Stone, best known variety, 25c per 100.

Don't forget that we are the growers and shippers of **Ipomoea Noctiflorum**, the pure white Moonvine with flowers as big as a saucer, very fragrant and the earliest Moonvine in existence, for which we have a world-wide reputation for the past twenty-five years; grows 50 feet and over in one season; over 25,000 are shipped every spring all over America south, north, west and east. Mexico and Cuba; 2½-in. pots, \$5.00 per 100; 4 in., \$12.00 per 100.

Cash with order, please.

All plants must travel at purchaser's risk.

S. A. Nutt, Ricard, Pink Bedder, Murkland, Jas. Vick, Mme. Jaulin, strong 4-in. plants.....\$6.00 per 100

## Bench Plants

**One-Year-Old.** 1000  
**American Beauty**.....\$30.00  
**Richmond**.....30.00

**GEORGE REINBERG**

51 Wabash Avenue, CHICAGO.

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## SPECIALTIES.

**Roses**, from 3-in pots. **Chrysanthemums** Carnations for fall delivery. **Smilax**, Violets

IN BEST VARIETIES.

Prices low. Send for list.

**Wood Brothers, FISHKILL, New York.**

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# Vaughan's

# Canna

# Plants

## Vaughan's Seed Store

P. O. Drawer V, CHICAGO.

## A New Fern NEPHROLEPIS GIATRASI

Awarded a Certificate of  
Merit by the Horticultural  
Society of New York.

Prices: In 2 1/4-inch pots, \$3.50 per dozen; \$25.00 per 100; \$200.00 per 1000. 25 plants at 100 rates; 500 plants at 1000 rates. Orders delivered in rotation as received. Now Ready for delivery,

**GEORGE GIATRAS,**  
463 Summit Ave., West Hoboken, N. J.

# Geraniums

Rooted Cuttings. Ricard, Poitevine and S. A. Nutt, at \$10.00 per 1000. Delivery made any time wanted. Let me book your order, or send for sample and see the class of stock I send out.

### HARDY PHLOX

Rooted cuttings, free by mail, at \$1.25 per 100. Mixed varieties, all of them good ones.

### Smilax and Sprengeri

Good stock. Let me send you a sample.  
Smilax ..... \$12.50 per 1000  
Sprengeri ..... 15.00 per 1000

**ALBERT M. HERR,** Lancaster, Pa.

A METHOD of utilizing the plum has been in use for some time in the Balkan States, which might be useful in years of great abundance. The dried plums are put to cook in copper receptacles for five or six hours, then strained and subjected to another cooking of 12 hours, all without sugar. The right density and prevention of burning are a matter of skill of course; over 9,000,000 pounds of this marmalade is exported annually from Bosnia, at an average price of \$3 per 100 lbs.

# CHRYSANTHEMUMS

Extra Fine Stock of the Following Varieties:

| WHITE.              | R. C. per 100 | 2 1/4-in. per 100 |
|---------------------|---------------|-------------------|
| Robinson.....       | 2.50          | 20.00             |
| Clementine Touse    | 2.50          | 20.00             |
| Alice Byron .....   | 2.50          | 20.00             |
| Timothy Eaton.....  | 2.50          | 20.00             |
| White Bonafon.....  | 2.50          | 20.00             |
| W. H. Chadwick..... | 3.00          | 27.00             |

| YELLOW.              | R. C. per 100 | 2 1/4-in. per 100 |
|----------------------|---------------|-------------------|
| Golden Glow.....     | 3.00          | 27.00             |
| Halliday.....        | 2.50          | 20.00             |
| Col Appleton.....    | 2.50          | 20.00             |
| Major Bonafon.....   | 2.50          | 20.00             |
| Yellow Eaton.....    | 2.50          | 20.00             |
| Chautauqua Gold..... | 2.50          | 20.00             |

| RED.            | R. C. per 100 | 2 1/4-in. per 100 |
|-----------------|---------------|-------------------|
| Schrimpton..... | 3.00          | 20.00             |
| Intensity.....  | 2.50          | 20.00             |

| PINK.              | R. C. per 100 | 2 1/4-in. per 100 |
|--------------------|---------------|-------------------|
| Rosiere.....       | \$2.50        | \$20.00           |
| McNiece.....       | 2.50          | 20.00             |
| Maud Dean.....     | 2.50          | 20.00             |
| Dr. Enguehard..... | 2.50          | 20.00             |

### POMPONS.

| YELLOW.                      | R. C. per 100 |
|------------------------------|---------------|
| Baby, Klondyke, Zenobia..... | \$2.50        |
| WHITE.                       | R. C. per 100 |
| Lulu, Diana.....             | 2.50          |
| Baby Margaret.....           | 4.00          |
| Briola, pink.....            | 2.50          |
| Mrs. Beu, bronze.....        | 2.50          |
| Quinola.....                 | 3.00          |

White Killarney, My Maryland, Pink Killarney.

2 1/4-in. plants. Booking orders now for future deliveries. The Right Place—The Right Goods—The Right Price—Come and See Them Grow.

| 2 1/4-inch.            | 100    | 1000    |
|------------------------|--------|---------|
| White Killarney.....   | \$3.50 | \$75.00 |
| Pink Killarney.....    | 6.00   | 55.00   |
| My Maryland.....       | 6.00   | 55.00   |
| 2 1/4-inch.            | 100    | 1000    |
| Richmond.....          | 5.00   | 41.00   |
| American Beauties..... | 7.00   | 65.00   |

You cannot afford to buy poor stock at 50% less.

## Special Offer—Big Bargain

This is the time to plant Oct. Frost and Monrovia.

|                                  |                  |
|----------------------------------|------------------|
| Monrovia, 2 1/4-in.....          | \$20.00 per 1000 |
| Oct. Frost, 2 1/4-in.....        | 20.00 per 1000   |
| Merry Christmas, 2 1/4-in.....   | 20.00 per 1000   |
| Roosevelt, 2 1/4-in.....         | \$25.00 per 1000 |
| Virginia Fochmann, 2 1/4-in..... | 30.00 per 1000   |

## Special in Roses While They Last

|                          |                  |
|--------------------------|------------------|
| Kaiserins, 2 1/2-in..... | \$30.00 per 1000 |
| 3 1/2-in.....            | 50.00 per 1000   |
| Benched Beauties.....    | \$45.00 per 1000 |
| Brides, 2 1/2-in.....    | \$35.00 per 1000 |
| 3 1/2-in.....            | 40.00 per 1000   |

**POEHLMANN BROS. CO.,** Morton Grove, Ill.

# Florists' 'Mums

### EARLY

|                                       | From pots 100 | 1000    | Rooted Cuttings 100 | 1000    |
|---------------------------------------|---------------|---------|---------------------|---------|
| Clementine Touse—White.....           | \$3.00        | \$25.00 | \$2.00              | \$17.50 |
| Gloria (New)—Enchantress pink.....    | 4.00          | 30.00   | 3.00                | 25.00   |
| Indiana (New)—A white Appleton.....   | 6.00          |         | 4.00                |         |
| Ivory—Dwarf white.....                | 3.00          | 25.00   | 2.50                | 20.00   |
| Monrovia—Bright yellow.....           | 3.00          | 25.00   | 2.50                | 20.00   |
| October Frost—Best early white.....   | 3.00          | 25.00   | 2.50                | 20.00   |
| Pacific Supreme—Improved Pacific..... | 3.00          | 25.00   | 2.50                | 20.00   |

### MIDSEASON

|                                              |       |       |      |       |
|----------------------------------------------|-------|-------|------|-------|
| A. J. Balfour—Bright pink.....               | 3.00  | 25.00 | 2.50 | 20.00 |
| Col. D. Appleton—Incurred yellow.....        | 3.00  | 25.00 | 2.00 | 15.00 |
| Crocus—Light yellow.....                     | 3.00  | 25.00 | 2.00 | 15.00 |
| Mrs. W. E. Kelley—Late midseason yellow..... | 4.00  | 30.00 | 3.00 | 25.00 |
| Major Bonafon—Incurred yellow.....           | 3.00  | 25.00 | 2.00 | 15.00 |
| Pres. Roosevelt—Incurred light pink.....     | 4.00  | 35.00 | 3.00 | 25.00 |
| Pres. Taft (New)—Incurred white.....         | 10.00 |       | 8.00 | 70.00 |
| Tim Eaton—White.....                         | 3.00  | 25.00 | 2.50 | 20.00 |
| White Cloud—Pure white.....                  | 3.00  | 25.00 | 2.50 | 20.00 |

### LATE

|                                          |      |       |      |       |
|------------------------------------------|------|-------|------|-------|
| Golden Eagle—Incurred bright yellow..... | 4.00 | 30.00 | 3.00 | 25.00 |
| Intensity—Reflexed bright crimson.....   | 4.00 | 30.00 | 3.00 | 25.00 |
| Mlle. Jeanne Nonin—Incurred white.....   | 3.00 | 25.00 | 2.00 | 15.00 |
| Mlle. Jeanne Roette—Light pink.....      | 3.00 | 25.00 | 2.50 | 20.00 |
| Maud Dean—Bright pink.....               | 3.00 | 25.00 | 2.50 | 20.00 |
| Nagoya—Bright yellow.....                | 4.00 | 30.00 | 3.00 | 25.00 |
| Yanoma—White.....                        | 3.00 | 25.00 | 2.50 | 20.00 |

Special fine lot of Anemones, Pompons and Singles

Our selection. From pots. List of varieties on application or \$3.00 per 100; \$25.00 per 1000

**ELMER D. SMITH & CO.,** Adrian, Mich.

## PALMS, FERNS AND Decorative Plants

**JOHN SCOTT,** Rutland Rd. & E. 45th St.  
BROOKLYN, N. Y.

## Ferns for Dishes...

Assorted varieties, 2 1/4-in. pots, \$3.50 per 100; \$30.00 per 1000. Cash with order.

**FRANK OECHSLIN**  
4911 Quincy St. CHICAGO.



## Chrysanthemum Cuttings

Now booking orders for June delivery.

| WHITE            |         |         |
|------------------|---------|---------|
|                  | Per 100 | 1000    |
| Oct. Frost.....  | \$2 00  | \$15 00 |
| Kalb.....        | 2 00    | 15 00   |
| Touset.....      | 2 00    | 15 00   |
| A. Byron.....    | 2 00    | 15 00   |
| Wanamaker.....   | 2 00    | 15 00   |
| White Cloud..... | 2 00    | 15 00   |
| T. Eaton.....    | 2 50    | 20 00   |

| YELLOW             |      |       |
|--------------------|------|-------|
|                    | 2 00 | 15 00 |
| Monrovia.....      | 2 00 | 15 00 |
| Oct. Sunshine..... | 2 00 | 15 00 |
| Appleton.....      | 2 00 | 15 00 |
| V. Eaton.....      | 2 50 | 20 00 |
| Holiday.....       | 2 00 | 15 00 |
| Bonnaillon.....    | 2 00 | 15 00 |

### Rooted Carnation Cuttings For immediate delivery.

|                            | Per 100 | 1000    |
|----------------------------|---------|---------|
| White Enchantress.....     | \$3 00  | \$25 00 |
| Rose Pink Enchantress..... | 2 50    | 20 00   |

J. D. THOMPSON CARNATION CO.,  
JOLIET, ILL.

## Snow-White Sport of Helen Frick Chrysanthemum

From 2 1/4-inch pots \$10.00 per 100.

Rooted cuttings, \$8.00 per 100.

Unrooted cuttings, \$5.00 per 100.

HENRY EICHHOLZ, Waynesboro, Pa.

### Planting Borders of Ponds.

There is a certain class of very ornamental plants which, though not thriving in the water, nevertheless like to live at the edge, to extend their long roots into it and to benefit by the coolness of the soil and the moisture of the atmosphere. This ornamentation of watersides has equal value with the use of aquatics and is its necessary adjuncts, a connecting link with the land plants. The humid nature of the soil is favorable to plants of ample foliage, as well as many handsome hardy flowering plants which thrive in such locations. The choice of plants for borders of ponds will depend of course upon their size and contour; it is well to dispose the plants in colonies of three or four or more, arranging for artistic and irregular effect by massing groups of dwarf plants with taller ones, slender plants against stocky and flowering varieties. We append a list of foliage plants for bordering ponds: Gunnera scabra, G. manicata, Rheum Emodi, R. palmatum, Acanthus molle, A. M. latifolius, H. spinosissimus, H. spinosus, Funkia Sieboldiana, F. ovata, F. O. marginata, Polygonum Sachalinense, P. cuspidatum, Podophyllum, Emodi, Spirea Aruncus, S. Kamtschatica, S. Iobata, S. peltatum, Rodgersia podophylla, Lysimachia nummularia, Cyperus longus, Eulalia Japonica, E. J. folius striatis, E. J. zebrinus, Arundo Donax, Panicum virgatum, Phalaris arundinacea variegata, Gynierum argenteum, Osmunda regalis, Onoclea Germanica, O. sensibilis. Among flowering plants for this purpose may be listed: Spirea astilboides, S. palmata, S. Ulmaria, Lythrum salicaria roseum, Epilobium hirsutum, E. angustifolium, Asclepias incarnata, Caltha palustris, Iris Kämpferi, Polygonatum multiflorum, Saxifraga peltata, Myosotis palustris,

# Bay Trees



We have just received four carloads of fine shapely trees in the following sizes:

### Standard or Tree Shaped.

| Stem about | Crown. | Each.   | Stem about | Crown. | Each.   |
|------------|--------|---------|------------|--------|---------|
| 42-46 in.  | 24 in. | \$ 6.75 | 45-48 in.  | 30 in. | \$10.00 |
| 45-48 in.  | 26 in. | 7 50    | 46-54 in.  | 34 in. | 12 00   |
| 46-50 in.  | 28 in. | 8 00    | 46-53 in.  | 40 in. | 15 00   |

### Dwarf Standards.

| Total Height. | Crown.       | Each.  |
|---------------|--------------|--------|
| 4 to 5 feet.  | 24 to 26 in. | \$7.50 |

### Pyramid Shaped.

| Height.   | Base.        | Each.   |
|-----------|--------------|---------|
| 5 ft.     | 24 to 26 in. | \$ 8.00 |
| 6 ft.     | 26 to 28 in. | 10 00   |
| 6 1/2 ft. | 28 to 30 in. | 12 00   |

## BOX TREES

If wanted out of tubs we allow 10 per cent discount

### Pyramid Shaped.

| 2 Height. | Ea.    | Pair   |
|-----------|--------|--------|
| 3 ft.     | \$1 50 | \$2.75 |
| 4 ft.     | 2 50   | 4 50   |
| 4 ft.     | 4 00   | 7 00   |

### Standard or Tree Shaped.

| Crown.       | Each.  | Pair.   |
|--------------|--------|---------|
| 22 to 26 in. | \$4.50 | \$ 8 00 |
| 30 to 32 in. | 5 50   | 10 00   |
| 32 to 34 in. | 7 00   | 12 00   |

### Bush Shaped.

These do not come in tubs.

| Height.              | Each.  | Doz.   | 100     |
|----------------------|--------|--------|---------|
| 10 to 12 in.         | \$0.30 | \$3 00 | \$20 00 |
| 12 to 15 in.         | .35    | 3 50   | 25 00   |
| 15 to 18 in., light. | .40    | 4 00   | 30 00   |
| 15 to 18 in., heavy. | .45    | 4 50   | 35 00   |
| 20 to 24 in.         | .75    | 8 00   |         |
| 24 in.               | 1 00   | 10 00  |         |

Vaughan's Seed Store  
WESTERN SPRINGS, ILL.

## A. N. PIERSON, Inc. CROMWELL, CONN.

### Gardenias

2 1/4-inch pots, \$7.00 per 100; 3-inch pots, \$12.00 per 100; 4-inch pots \$20.00 per 100.

### Dracena Indivisa

4-inch pots, \$1.80 per dozen; \$12.00 per 100; 5-inch pots; strong plants, \$25.00 per 100.

### Cannas

Gladiator, green foliage, yellow flower spotted with red.

Wyoming, bronze foliage, red flower.

Louisiana, green foliage, red flower.

Assorted Cannas, good standard varieties.

The above 4-inch pots, \$1.00 per dozen; \$8.00 per 100.

ASPARAGUS PLUMOSUS SEEDLINGS, \$1.00 per 100; \$10.00 per 1000.

ASPARAGUS SPRENGERI SEEDLINGS, 50c per 100; \$5.00 per 1000.

SMILAX, 2 1/4-inch pots, \$2.50 per 100; \$20.00 per 1000.

## Miscellaneous Plants

Apple Geraniums, 2-in., \$2.00 per 100, \$18.50 per 1000; 3-in., \$4.00 per 100.

Swainsona Alba, 2-in., \$2.00 per 100, \$18.50 per 1000; 3-in., \$3.00 per 100.

Salvia, Bonfire and Zurich, 2-in., \$2.00 per 100, \$17.50 per 1000.

Dahlia Plants, from 2 in., at \$2.00 per 100 up.

For \$18.50 cash we will send 1000, 50 each of 20 distinct varieties, including Show, Decorative and Cactus.

Madeira Vine Roots, \$1.00 per peck, \$3.00 per bushel.

R. VINCENT Jr., & SONS CO., White Marsh, Md.

Trollius Europæus, Cardamine pratense, Lilium superbum, L. pardalinum, Bocconia cordata, Hemerocallis flava, H. fulva, yuccas, Tritoma uvaria, etc.—Revue de l'Horticulture, Belge et Etrangere.

# Vincas

We have 3000 to 4000 strong 4-inch Vincas, both green and variegated

\$10.00 and \$12.00 per 100.

Cash with order or satisfactory reference.

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Send Advertisements Early for Best Results



## TRADE LIST

**Clematis**, paniculata, strong plants, \$10.00 per 100; 3-in. pots, \$5.00 per 100.

**Dracena** Indivisa, 4-inch pots, \$10.00 per 100.

**Passiflora** coerulea, 3-in. pots \$5.00 per 100.

**Passiflora**, hardy, 3-in. pots, \$5.00 per 100.

**Echeveria** Glauca, \$4.00 per 100.

Plants from 2½-in. pots, \$3.00 per 100: **Achyranthes**, Parlor Ivy, **Ageratum**, blue; **Coleus**, Verschaffeltii Queen Victoria Quadricolor; **Golden Feather**; **Impatiens** Holstii; **Swainsona** alba; **Alternantheras**, 4 varieties; **Hydrangea** Otaksa, **Chrysanthemums**, White Cloud, Pacific Supreme, Golden Glow, **Salvia**, Bonfire; **Snapdragon**, White.

Stock from 3-in. pots, \$4.00 per 100. **Geraniums**, Rose; **Lantana**, Le Naine; **Feverfew**, The Gem; Ivy, Hardy English; **Honeysuckle**, Woodbine, 4-in. pots, \$1.50 per doz.

**Asparagus Sprengerii**, 2-in. pots, \$2.00 per 100; 2½-in. pots, \$3.00 per 100.

**Bouvardias**, single and double, white, pink, scarlet, **Humboldtii**, 2-in. pots, \$3.00 per 100.

Ivy, Hardy English, 4-in. pots, \$1.00 per doz.

**Ampelopsis Veitchii**, 4-in. pots, \$10.00 per 100; 3-in. pots, \$5.00 per 100.

**SEEDLINGS** from flats, 50c per 100: **Dracena Indivisa**.

**Clematis vitalba**, strong transplanted seedlings, \$1.00 per 100, \$8.00 per 1000. This is one of the fastest growing vines, covered with long sprays of sweet-scented white flowers the whole summer.

**C. EISELE,**

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### Stamps and Orchids.

Frequently enough we hear people speak with astonishment, not unmingled with rebuke, of the extravagant prices occasionally paid by connoisseurs for very rare and beautiful orchids. But the tallest prices ever given for the living gems of the orchidean world pale into insignificance in comparison with some of the prices paid for tiny bits of colored paper as represented by postage stamps, says the Journal of Horticulture. One or two comparatively recent instances are: Ayre collection, £45,000; Mann collection, £30,000; Avery collection, £25,500; Paul collection, £11,400; Thompson collection, £7,000. "It is estimated," said Mr. Melville at the annual meeting of the Royal Philatelic society, "that there are now at least 500,000 stamp collectors in the country. Every year, too, the value of rare stamps increases. Not many years ago a post office Mauritius stamp, either of the 1d. or 2d. value, realized £20. Today one unstamped specimen of the 1d. value is worth £2,000. A little while ago the Prince of Wales (now king), who is an enthusiastic collector, paid £1,450 for one of the 2d. stamps, which are slightly less rare than the 1d. ones. A blue 2 cents missionary stamp of Hawaii, dating from 1851, is now worth at least £1,000. An idea of the growth of stamp collecting may be gained from the number of books relating to it. My own library, an incomplete one, contains quite 2,500 books, each one about some phase of the hobby. Two important firms have between them over £250,000 invested in stamps."

COREY, PA.—The Olds Greenhouse Co. have opened a store on West Main street.

## I Am Disposing of the Florham Farms Collection of ORCHIDS

and can quote established plants of **Cattleya Trianae**, **Schroederæ**, **Labiata**, in 5 to 8 in. pots, at \$2.00 per plant.

**Cypripedium Leeanaum**, in pans, from 5 to 8 in., 50c to \$3.00 each.

**CHARLES H. TOTTY,** Madison, N. J.

## A FEW GOOD THINGS YOU WANT.

**Rex Begonia**, 2-in. \$5.00 per 100. **Asparagus Sprengerii**, 3-in. \$5.00 per 100. **Geraniums**, Nutt. Perkins, Grant, La Favorite, R. C., \$1.25; 2-in. pots, \$2.00; 3-in., \$4.00 per 100; **Viaud**, **Castellane**, **Poitvine** Jaulin, **Ricard**, **Buchner**, R. C., \$1.50; 2-in. pots, \$2.50; 3-in., \$5.00 per 100.

**Asparagus Plumosus**, 2-in., \$3.00 per 100; 3-in., \$5.00 per 100. Cut fronds 25c per bunch. **Boston Ferns**, 5-in 25c each. **Whitman Ferns**, 4-in. 25c each.

**Vinca Var.**, 2-in. \$2.00 per 100. **Dracena Ind.**, 3-in., \$5.00; 4-in., \$10.00 per 100.

**Coleus** and **Alternanthera**, red and yellow: **Verbenas**, **Heliotrope**, **Cigar Plant**, **Scarlet Sage**, **Zurich**, always in bloom, 2-in., \$2.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order.

**GEO. M. EMMANS,** Newton, N. J.  
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## ORCHIDS

### Fresh Importations

**Cattleya Trianae**,  
" **Mendelii**,  
" **Schroederæ**,  
" **Gigas Sanderiana**,  
" **Hardyana**,  
" **Aurea**,  
**Miltonia Vexillaria**,  
" **Roezlii**,

Write for Prices.

**John De Buck,** care Maltus & Ware, 14 Stone St., New York

## Orchids..

We have changed our domicile from Secaucus, N. J., to Mamaroneck, N. Y. We are largest collectors and importers of Orchids and are now booking orders for all the commercial Cattleyas for delivery next spring.

**CARRILLO & BALDWIN,** Mamaroneck, N. Y.

## JOSEPH HEACOCK CO.

WYNCOTE, PA.

## Growers of Fine Kentias

Send for Price List.

## Roses plenty

In sorts listed page 789, May 14.

On own roots; summer grown; winter rested.

THE LEEDLE FLORAL COMPANY  
SPRINGFIELD-OHIO

## Orchids

Arrived This Week

### CATTELYAS

**Trianae**, **Labiata**, **Schroederæ**,  
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**Cambridgeanum**, **Chrysotoxum**,  
**Crassinode**, **Jamesianum**,  
**Devonianum**.

**Renanthera** **Imschootiana**

**Vanda** **Coerulea**

**Lælia anceps**, **Lælia albida**,  
**Oncidium Cavendishianum**,  
**Oncidium ornithynchum**.

**G. L. FREEMAN CO.**

FALL RIVER, MASS.

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## Orchids

Arrived: **Cattleya Trianae**, **C. Gaskelliana**, **Oncidium varicosum**, **O. crispum**, **O. Forbesi**, **O. Harrisonianum**, **Miltonia cuneata**, **Odontoglossum grande**; **Lælia purpurata**, **grandis tenebrosa** and **flava**.

**Lager & Hurrell** Summit, N. J.

## ORCHIDS...

Largest Importers, Exporters, Growers, and Hybridists in the World.

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**Rooted Cannas** Allemania, Pennsylvania, Kate Gray \$2.50 per 100. Per 100  
**Vinca Var.**, 2½-, 3-, 4 in ..... \$3.00 \$5.00 \$9.00  
**Asparagus Robustus** 3-in. .... 5.00  
Sprengerii, 3-in. .... 5.00  
**Smilax**, 2½-in. .... 3.00  
**Lobelia**, Bedding Queen and Speciosa, 2-in. .... 2.00  
**Verbenas**, seedlings in bloom, 2-in. .... 2.50  
**Alyssum**, Little Gem, 2-in. .... 2.50  
Double, 2 in. .... 2.50  
**Coleus**, 10 vars., 2-, 3-in., .... \$2.00, 3.00  
**Petunias**, single, large, in bloom, 2-, 3-in. 2.00, 3.00

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**Hans Schmalz**, Prop., Lincoln, Ill.



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This list is strictly up-to-the-minute, but contains only a small part of the immense variety we have to offer.  
If you don't find what you want, ask for it.

SEND YOUR ORDER TODAY.

PROMPT SHIPMENT GUARANTEED.

## PYRAMID BAYS.

|                                          | Pair    |
|------------------------------------------|---------|
| 6 ft. high, 24 in. wide.....             | \$15 00 |
| 6 ft. 6 in. high, 24 to 30 in. wide..... | 20 00   |
| 7 ft. high 34 to 38 in. wide.....        | 25 00   |

## STANDARD BAYS.

|                                           | Pair    |
|-------------------------------------------|---------|
| 4 ft. high, 22 to 26 in. crown.....       | \$10 00 |
| 5 ft. 6 in. high 24 to 26 in. crown.....  | 12 00   |
| 6 ft. high, 30 to 32 in. cr wn.....       | 18 00   |
| 6 ft. 6 in. high, 32 to 36 in. crown..... | 20 00   |

## PHOENIX CANARIENSIS.

|                                    | Each    |
|------------------------------------|---------|
| 30 to 36 in. high, 8 in. tub.....  | \$ 2 50 |
| 48 in. high 9 in. tub.....         | 4 00    |
| 48 to 56 in. high 10-in. tub.....  | 8 00    |
| 60 to 66 in. high, 12-in. tub..... | 10 00   |
| 72 to 78 in. high, 17-in. tub..... | 35 00   |

## BOXWOODS.

|                                         | Each    |
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| Obelisk shaped boxwood in mission tubs. |         |
| 5 ft. high.....                         | \$ 9 00 |
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| Pyramid Box in tubs, 4 ft. high.....    | 4 00    |
| Pyramid Box in tubs 5 ft. high.....     | 6 00    |
| 6 ft. high.....                         | 8 00    |
| Ball-shaped Box perfect balls.          |         |
| 20 to 22 in. diameter.....              | 6 00    |
| Standard Box, nice heads.....           | 1 50    |
| Nice heads.....                         | 3 00    |
| Nice heads.....                         | 4 00    |
| Nice heads.....                         | 6 00    |

## CANNAS.

In 4-in. pots at 8c each.

Erandle. Express, Wyoming, Black Beauty, Mlle. Berat, Austria David Harum, Beaute Poitevine, Discolor, Chicago, Shenandoah, Souv. de Ant Crozy, Allemania, La Patry, King Humbert, 10c.

## MISCELLANEOUS.

|                                |         |
|--------------------------------|---------|
| Cobea scandens, 4-in.....      | 100     |
| Marguerites, white, 4-in.....  | \$10 00 |
| Feverfew, 4 in.....            | 8 00    |
| Caladium Esculentum, 5 in..... | 15 00   |

## FINE FERNS.

Here is an assortment of ferns for fern dishes in varieties as follows:

Aspidium Tsussimense, Pteris adiantoides, Pteris cretia albo-lineata, Pteris Ouvardi, Pteris serrulata, Pteris Wimsettii, Pteris tremula, 2-in. pots. 50c per doz.; \$3.50 per 100.

## ARECA LUTESCENS—Made-up Plants.

| Pot    | Leaves   | Height           | Each   |
|--------|----------|------------------|--------|
| 3-inch | 10 to 12 | 10 to 12 in..    | \$0 20 |
| 4 inch | 12 to 15 | 16 to 18 in..... | 25     |
| 6-inch |          |                  | 1 00   |
| 7-inch |          |                  | 2 50   |
| 8-inch | 12 to 20 | 30 to 35 in..... | 3 50   |

## DRACAENA FRAGANS.

|                                    | Each    | Doz.  |
|------------------------------------|---------|-------|
| 5 in. pots, 10 to 12-in. high..... | \$04 35 | \$ 00 |
| 6 in. pots, 12 to 14-in. high..... | 50      | 6 00  |



Phoenix Canariensis.

Ask for our List of Kentias, Latanias, Boston Ferns, Etc.

GEO. WITTBOLD CO., 737-739 Buckingham Place, CHICAGO.

## ARAUCARIA EXCELSA.

A Fine Lot Just Received.

Height 8-10-ins., 2-3 whorls, each, 60c; doz., \$5.50.

Height 12-ins., 3-4 whorls, each; 75c; doz., \$8.00.

Vaughan's Seed Store

CHICAGO.  
NEW YORK.

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## Robert Craig Co... HIGH CLASS PALMS

and Novelties in Decorative Plants.  
Market and 49th Sts., Philadelphia, Pa

An Eelworm in Fern Fronds.

A description is given of Aphelenchus oleisistis which has been recently noticed as occurring in fern fronds, causing conspicuous, well-defined brown stripes or irregularly shaped blotches on the fronds of various species of ferns grown under glass. The same nematode is said to cause brown patches on the leaves of begonias, chrysanthemums, coleus, gloxinias, etc. Dusting the plants with a mixture of tobacco powder and sulphur is said to be an excellent remedy for this pest.

## Chrysanthemums

Fine young stock from 2½-inch pots. Immediate Shipment.

| WHITE               | Per 100 | PINK               | Per 100 | YELLOW                | Per 100 |
|---------------------|---------|--------------------|---------|-----------------------|---------|
| C. Touset,.....     | \$3 00  | Rosiere,.....      | \$3 00  | Golden Glow,.....     | \$4 00  |
| Oct. Frost,.....    | 3 00    | Mayor Weaver,..... | 3 00    | Monrovia,.....        | 3 00    |
| Alice Byron,.....   | 3 00    | Enguehard,.....    | 3 00    | Yellow Touset,.....   | 4 00    |
| Chadwick,.....      | 4 00    | Rosette,.....      | 4 00    | Yellow Chadwick,..... | 4 00    |
| H. W. Buckbee,..... | 3 00    | Pink Ivory,.....   | 3 00    | Bonnaftion,.....      | 3 00    |
| Ivory,.....         | 3 00    |                    |         |                       |         |
| V. Fochimann,.....  | 3 00    |                    |         |                       |         |

Special prices quoted on a quantity.

## ROSES---STRONG YOUNG 3½-in. STOCK

Beauties, 3½-in.....per 100, \$8.00; per 1000, \$75.00

|                      | 100    | 1000    |                     | 100    | 1000    |
|----------------------|--------|---------|---------------------|--------|---------|
| Maryland, 3½ in..... | \$6 00 | \$55 00 | Maid, 3½ in.....    | \$4 00 | \$35 00 |
| Richmond, 3½ in..... | 5 00   | 45 00   | Bride, 3½ in.....   | 4 00   | 35 00   |
| Jardine, 3½ in.....  | 5 00   | 45 00   | Jardine, 2½ in..... | 4 00   | 35 00   |

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37-39 Randolph Street, CHICAGO.

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Carnations  
A Specialty....

WHOLESALE  
GROWER of

## CUT FLOWERS

## Geraniums Coleus

|                                                | 100     | 1000 |                                     | 100  |
|------------------------------------------------|---------|------|-------------------------------------|------|
| 8 varieties, my selection, 2½-in. pots, \$3 00 | \$25 00 |      | 10 varieties 2¼-in. pots.....       | 2 00 |
| 8 varieties, 3-in. pots.....                   | 4 00    |      | Double Petunias, Seedlings.....     | 2 50 |
| Asp. Sprengerli seedlings.....                 | 1 00    | 7 00 | Alternantheras, red and yellow..... | 2 00 |
| Asp. Sprengerli, 2¼-in. pots.....              | 2 00    |      |                                     |      |

—Cash, No C. O. D.—

JOS. H. CUNNINGHAM, Delaware, O.



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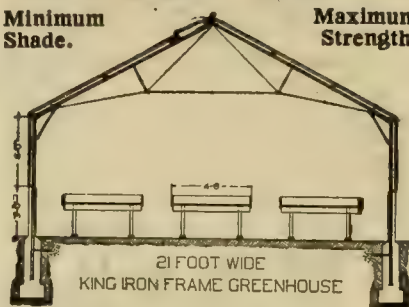
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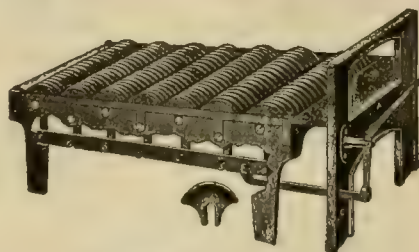
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Bay trees. Bobbink & Atkins, Rutherford, N. J.

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Bedding plants: Cannas, J. D. Eisele, 4-in., \$8 per 100; Bismarck, A. Bouvier, R. Wallace, Kate Gray, King Humbert, 4-in., \$7. English ivy, 4-in., \$10. Begonia Erfordi, 4-in., \$8; Vernon, 4-in., \$7 and \$8; 3-in., \$5. Lemon Verbenas, 4-in., \$7. Scarlet sage, Bedman and Bonfire, 4-in., \$7. Ageratum, 4-in., \$7. Fuchsias, 4-in., \$7. Dbl. petunias, 4-in., \$7. Lantanas, 4-in., \$7. Echeveria glauca, \$3 to \$5. Geraniums, 4-in., \$7; Beate Poitevine, Nutt, Viaud, \$7; Viaud, 5½ and 6-in., 15c and 20c. Cobea scandens, 4-in., 10c. Primula obconica, 5-in., \$2 per doz. Dracena indivisa, 5 and 5½-in., 25c. Begonia Flambeau, 6-in., 25c. Small plants, 2½ and 3-in., \$3 per 100; Verbenas, phlox, cosmos, coleus, petunias, sweet alyssum, tradescantia, thunbergia, salpiglossis, lobelia, cornflowers, Centaurea Gym., parlor or German ivy, 3c; giant petunia, 3-in., \$5. Maurandia Bar. 5c. Asters, 2½-in., 3c. Moonvines, 2½-in., \$5 per 100; 3-in., \$8; 4-in., \$12. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

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Cannas, 4-in., 8c each; King Humbert, Egandale, Empress, Wyoming, Black Beauty, Mile. Berat, Austria, D. Harum, Beaute Poitevine, Discolor, Chicago, Shenandoah, Souv. de A. Crozy, Allemania, L. Patry, Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Cannas, King Humbert, Chas. Henderson, Ex Crampbell, Mme. Crozy, A. Bouvier, Mile. Berat, F. Vaughan, Souv. de A. Crozy, W. C. Becker, 103 Federal St., Northside, Pittsburgh, Pa.

Cannas, Jean Tissot, Pres. Myers, Pennsylvania, Buttercup, Louisiana, Egandale, Florence Vaughan, Alph. Bouvier, 3-in., 75c per doz.; \$3 per 100; \$25 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Cannas—Good assortment of fine bulbs and pot plants. Write if interested. Mosbaek Greenhouse Co., Onarga, Ill.

Cannas, Gladiator, Wyoming, Louisiana and assorted vars., 4-in., \$1 per doz.; \$8 per 100. A. N. Pierson, Inc., Cromwell, Conn.

Cannas, Allemania, Pennsylvania, Kate Gray, \$2.50 per 100. West End Greenhouses, Lincoln, Ill.

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Cacti. Over 100 varieties of cacti, from \$7 per 100 up. Write for 28-page catalogue, and prices to the trade. Also Mexican Resurrection plants. The Francis E. Lester Company, Dept. 5, Mesilla Park, N. M.

## CARNATIONS.

Carnation Scarlet Glow, 2-in., \$12 per 100; \$100 per 1,000. F. Dörner & Sons Co., La Fayette, Ind.

Carnations, Conquest, Sangamo, Mary Tolman, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., Joliet, Ill.

Carnations. Wood Bros., Fishkill, N. Y.

## CENTAUREAS.

Centaura Gym., 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Centaura (Dusty Miller) fine A1 plants, 2½-in., \$1 per 100; \$9 per 1,000. Cash. S. W. Carey, Urbana, O.

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CHRYSANTHEMUMS, R. C. Ready Now.

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| White. Per 100          | Pink. Per 100          |
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Gloria, 100, \$2.50; Pres. Taft, Mrs. W. E. Kelly, 100, \$3; Golden Glow, Pacific Supreme, White Cloud, 100, \$1.25; R. C. prepaid. Gloria, 2½-in., \$3. Chas. Frost, Kenilworth, N. J.

Chrysanthemums, Oct. Frost, Kalb, Touset, Byron, Wanamaker, W. Cloud, Nonin, Balfour, Enguehard, Monrovia, Oct. Sunshine, Appleton, Halliday, Bonaffon, \$2 per 100; \$15 per 1,000. T. Eaton, W. Chadwick, Y. Eaton, \$2.50 per 100; \$20 per 1,000; J. D. Thompson Carnation Co., Joliet, Ill.

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Snow-White sport of Helen Frick, 2½-in., \$10 per 100; R. C. \$8; unrooted cuttings, \$5. Henry Eichholz, Waynesboro, Pa.

Chrysanthemums, Dolly Dimple, Patty, Merry Jane, \$1.50 per doz.; \$10 per 100. F. Dörner & Sons Co., La Fayette, Ind.

Chrysanthemums. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Chrysanthemums. We have 75 varieties, including singles and pompons, \$15 per 1,000. "Enough Sed." Ehnmann's, Corfu, N. Y.

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Chrysanthemums. For varieties and prices see advertisement on page 926. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

Chrysanthemum novelties. Charles H. Totty, Madison, N. J.

## CINERARIAS.

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Cinerarias, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

## CLEMATIS.

Clematis paniculata, in splendid stock for lining out in field, \$5 per 1,000; 10 samples by mail, 10c. The Elm City Nursery Co., New Haven, Conn.

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Coleus, Golden Bedder and Verschaffeltii, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Coleus, Verschaffeltii, Golden Bedder, 10 other varieties, 3-in., \$3 per 100. G. Schlegel, Olney, Ill.

Coleus, 2½-in., \$2 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Coleus, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Coleus, 10 var., 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus from sand, \$5 per 1,000. E. G. Hill Co., Richmond, Ind.

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Cyclamens, finest stock, in separate colors, 3½-in. pots, \$10 per 100. Julius Roehrs Co., Rutherford, N. J.

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Dahlia roots, mixed to color, \$4 per 100; \$35 per 1,000. Jack Rose, Sensation, Fringed 20th Century, Beauty, Gladys, Rose Pink Century, Big Chief, \$3.50 per doz.; \$25 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Dahlias, Black Beauty, Elegante, \$3 per 100; Arabella, Earl of Pembroke, \$4 per 100; field-grown, undivided roots. Order today. Wagner Park Conservatories, Sidney, Ohio.

Dahlias, Pape & Bergman, Quedlinburg, Germany.

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Dracena fragrans, 5-in., 35c each; \$4 per doz.; 6-in., 50c each; \$6 per doz. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Dracena indivisa, 4-in., \$10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Dracena indivisa, 3-in., \$5; 4-in., \$10 per 100. Geo. M. Emmans, Newton, N. J.

Dracena indivisa, 4-in., \$1.80 per doz.; \$12 per 100; 5-in., \$25 per 100. A. N. Pierson, Inc., Cromwell, Conn.

Dracenas. Bobbink & Atkins, Rutherford, N. J.

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Ferns, Elegantissima Improved, 4-in., \$3 per doz.; 6-in., \$6 per doz. Superbissima, 4-in., \$3 per doz.; 6-in., \$6; 8-in., \$12. Boston, 10-in., \$3 and \$4 each; 12-in., \$5 and \$6; larger, \$7.50 and \$10. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Fern Nephrolepis Giatrasii, 2½-in., \$3.50 per doz.; \$25 per 100; \$200 per 1,000. George Giatras, 463 Summit Ave., W. Hoboken, N. J.

Fern Scholzei, 4-in., 25c. Scotti, Whitman, Boston, 4-in., 20c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns for dishes, 2-in., 50c per doz.; \$3.50 per 100. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Ferns, Boston and Piersoni, 3-in., 8c each. Whitman and Elegantissima, 3-in., 10c. Mosbaek Greenhouse Co., Onarga, Ill.

Ferns for dishes, asst., 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Oechslin, 4911 Quincy St., Chicago.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Boston, 3-in., 25c each. Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns, Whitman, 2½-in., \$5 per 100. Henry H. Barrows & Sons, Whitman, Mass.

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Feverfew, dbl. white, fine A1 plants, 2½-in., \$1.25 per 100; \$10 per 1,000. Cash. S. W. Carey, Urbana, O.

Feverfew from seed bed, 1½c each; 2½-in., 2½c. Mosbaek Greenhouse Co., Onarga, Ill.

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Young rubber plants, 2½-in. pots, \$15 per 100. Order early; limited quantity. Bobbink & Atkins, Rutherford, N. J.

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Fuchsias, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

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Geraniums, strong, 2-in. stock, Heteranthe, Nutt, Jean Vaud, La Favorite, L'Aube, Hill, \$2 per 100; \$18 per 1,000. Our selection, \$17 per 1,000. Pamela, \$4 per 100. Anastasia Lecadre, \$3 per 100. Red Wing, the best novelty of the season, 25c each; \$2.50 per doz. Write for geranium catalogue. F. H. DeWitt & Co., Wooster, Ohio.

GERANIUMS. Nutt, Grant, Poitevine, Vaud, Buchner, all true to label. Large top cuttings well rooted, \$1.25 per 100; \$10 per 1,000. Same varieties from 2½-in. pots, \$2 per 100; \$18 per 1,000. Cash. The W. T. Buckley Co., Springfield, Ill.

Geraniums, Nutt, Doyle, Perkins, Grant, La Favorite, R. C. \$1.25; 2-in., \$2; 3-in., \$4 per 100. Vaud, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C. \$1.50; 2-in., \$2.50; 3-in., \$5 per 100. Mme. Sallerol, 2-in., \$3 per 100. G. M. Emmans, Newton, N. J.

Apple geranium, 2-in., \$2 per 100; 3-in., \$4. Standard varieties, 2-in., \$2 per 100; \$18.50 per 1,000; Ivy leaved, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums. We have a nice stock in 4-in. bud and bloom; good, strong, healthy plants at \$7.50 per 100. Cash or C. O. D. Frank Felke, 828 Ridge Ave., Wilmette, Ill., Telephone 1259 Wilmette.

Geraniums, S. A. Nutt, Mme. Barney, White Swan, 4-in., \$3 per 100. Mme. Sallerol, 2½-in., \$3 per 100. J. S. Hennon & Son, Wampum, Pa.

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Geraniums, standard varieties, 2½-in., 3c each; \$25 per 1,000; 4-in., 9c each; \$80 per 1,000; La Favorite, 3-in., 5c; 4-in., 7c. Mosbaek Greenhouse Co., Onarga, Ill.

Rose geraniums, fine A1 plants, 2½-in., \$1.25 per 100; \$10 per 1,000. Cash. S. W. Carey, Urbana, O.

Geraniums, 8 vars., 2½-in., \$3 per 100; \$25 per 1,000; 3-in., \$4. Jos. H. Cunningham, Delaware, O.

Geraniums, R. C., Ricard, Poitevine, Nutt, \$10 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Heteranthe, Doyle, 4-in., \$7 per 100. West End Greenhouses, Lincoln, Ill.

Mme. Salleri, fine A1 plants, 2½-in., \$2 per 100. Cash. S. W. Carey, Urbana, O.

## GREENS.

Greens, ferns, \$1.75 per 1,000. Galax, green, 75c per 1,000; bronze, \$6 per case of 10,000. Sphagnum moss, 12 bbl. bales, \$3.50. Green moss, \$1.25 per bbl. Laurel festooning 4c, 5c and 6c per yd. Smilax, 50-lb. case, \$6. Pine, 7c per lb. Laurel branches, 35c per bunch. Laurel and pine wreaths, \$2 to \$3 per doz. Boxwood, \$15 per 100 lbs. Crowl Fern Co., Millington, Mass.

Greens, fancy and dagger ferns, \$2.00 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large bales, \$1.25; Leucothoe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch, 50 lbs., \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

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Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 33 W. 28th St., New York.

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Perennial phlox, named varieties, field-grown, \$5 and \$10 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Sedum spectabilis, 2½-in., right size for planting, \$4 per 100; \$30 per 1,000. Wagner Park Conservatories, Sidney, O.

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Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

## HELIOTROPES.

Heliotrope, Miss Bernice, 2½-in., \$8 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Heliotrope, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

## HOLLYHOCKS.

Hollyhocks, assorted, 2½-in., 3c. Mosbaek Greenhouse Co., Onarga, Ill.

## HYDRANGEAS.

Hydrangea Arborescens Grandiflora. We have the largest stock of strong 2-year plants in America. Plants 2 to 3 feet, \$2.50 per doz.; \$15 per 100; \$140 per 1,000. Good plants, 15 to 20 inches, \$10 per 100. List free. E. Y. Teas, Centerville, Ind.

Hydrangeas paniculata grandiflora, 18 to 24 ins., 6c; 2 to 3 ft., 9c. Dingee & Conard Co., West Grove, Pa.

Hydrangea Otakus, rooted cuttings, \$1.50 per 100. J. H. Flessner, Hamilton Ave., North Bergen, N. J.

## IVY.

Ivy, German or English, 2-in., \$2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

German ivy, fine A1 plants, 2½-in., \$1.25 per 100. S. W. Carey, Urbana, O.

## LILACS.

Lilacs. Jacs Smits, Naarden, Holland.

## LILY OF THE VALLEY.

### To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

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Lily of the valley, cold storage, 250, \$3.50; per 1,000, \$13. W. C. Beckert, Northside, Pittsburgh, Pa.

Lily of the valley clumps, \$2.35 per doz; \$20 per 100. Vaughan's Seed Store, Chicago and New York.

Lily of the valley, cold storage, \$12.50 per 1,000. Buds, 76 Barclay St., New York.

## LOBELIA.

Blue lobelia, fine A1 plants, 2½-in., \$1.25 per 100; \$10 per 1,000. Cash. S. W. Carey, Urbana, O.

Lobelias, speciosa, Kathleen Mallard, B. Queen, 2½-in., \$2 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Lobelia Newport Model 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

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Myosotis, early flowering, 3-in., \$2.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

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Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

Mushroom Spawn. Sure crop, \$8 per 100 lbs. Weeber & Don, 114 Chambers St., N. Y.

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Nursery stock, conifers, boxwoods, azaleas, rhododendrons, forest and fruit trees, hedge plants, etc. S. A. Vosters & Sons, Riel, Holland.

Nursery stock, clematis, ampelopsis, tree hydrangeas, lilacs, shrubs, vines and perennials. Jackson & Perkins, Newark, N. Y.

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Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

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Orchids, Cattleya Trianae, labiata, Warneri, Dendrobiums, Oncidium V. Rogersii. G. L. Freeman Co., Fall River, Mass.

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Palms, Kentias, in 2½-in. pots, \$8 per 100; \$75 per 1,000. Jackson & Perkins Co., Newark, N. Y.

Palms. For varieties and prices see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Palms, Kentia Fors., 6-7-in., \$2 to \$3 each. Kentia Bel., 3-in., 10c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Kentias. Joseph Heacock Co., Wyncote, Pa.

Palms, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Palms, Bobbink & Atkins, Rutherford, N. J.

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Pandanus Veitchii, 4-in., 50c each; \$6 per doz.; 6-in., \$1 each; \$12 per doz.; 7-in., \$2 each; \$24 per doz. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

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Ready now, 250,000 fine large, fall transplanted pansies in bud and bloom. Superb strain; the finest market strain grown. A trial order will convince you that they are the best you ever had. You need them for your particular trade. Price, \$1.25 per 100; \$10 per 1,000. Cash with order. Leonard Cousins, Jr., Concord Junction, Mass. Telephone 82 Concord.

50,000 field-grown pansy plants. They never saw either a cold or hot bed. Strong husky plants; beautiful blooms. They are the kind that sell and please. \$20 per 1,000. Albert A. Sawyer, Pansy Specialist, Pansy Garden, Oak Park, Ill.

Pansies, \$2 per 1,000. J. C. Schmidt, Bristol, Pa.

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Peonies, all vars., Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars., W. & T. Smith Co., Geneva, N. Y.

Peonies only by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

Peonies, a superb collection. Jackson & Perkins Co., Newark, N. Y.

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Petunias, dbl. mixed or Dreer's single, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Petunias, dbl., seedlings, \$2.50 per 100. Jos. H. Cunningham, Delaware, O.

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Primula obconica, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

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RHODODENDRONS CATAWBIENSE. The best of all, 12 to 20 buds, \$75 per 100; 25 to 35 buds, \$12 per doz.; larger specimens, \$15 per doz. Wagner Park Conservatories, Sidney, O.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

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Resurrection Plants.—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis E. Lester Company, Dept. 5, Mesilla Park, N. M.

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ROSES, from 2½-in. pots, fine stock. The following varieties at \$3 per 100; \$25 per 1,000; 25 plants of a kind at the 100 rate; 250 at the 1,000 rate: Agrippina, Bridesmaid, Clothilde Soupert, Catherine Mermet, Golden Gate, Mme. Abel Chatenay, Mile. F. Kruger, White Bougere, Bride, Bon Silene, Coq de Lyon, Mrs. Ben R. Cant, Mme. Joseph Schwartz, Safrano.

The following varieties at \$3 per 100, \$27.50 per 1,000; Antoine Rivoire, Cl. Meteor, Ettoile de Lyon, Helen Gould, La France, Pink Cochet, Souv. de La Malmaison, Climbing Kaiserin, Cl. Malmaison, Maman Cochet, Mme. Welche, Papa Gontier, White Cochet.

The following at prices named:

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| Dinsmore                  | 3.00    |
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| Killarney                 | 3.50    |
| Margaret Dickson          | 3.50    |
| Mrs. John Laing           | 3.50    |
| Mme. Masson               | 3.00    |
| Mme. Chas. Wood           | 3.00    |
| Marchal Niel              | 3.00    |
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ROSES, 2½-Inch: Francis E. Willard, Mrs. Ben R. Cant, Burbank, Kaiserin, White LaFrance, M. Niel, Gruss an Teplitz, Souv. de Pierre Notting, Tausendschon, Philadelphia Rambler, White Baby Rambler, \$2 per 100; \$25 per 1,000. VEILCHENBLAU, the greatest novelty; color violet blue; extra heavy 2-year stock, 90c each; \$10 per doz. Wagner Park Conservatories, Sidney, O.

Own root Bride, Bridesmaid, Chatenay, Golden Gate, Pink Killarney, Kaiserin and Perle, \$6 per 100. Grafted, White Killarney, \$14 per 100. P. R. Quinlan, Syracuse, N. Y.

Roses, Crimson Rambler, 7-8-in., 75c to \$1.50 each. Dorothy Perkins, 5½ and 6-in., 35c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Roses, on own roots, budded, bedding. H. P. hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses, Newport Fairy, 50c each; 20 per 100. Julius Roehrs Co., Rutherford, N. J.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It



Roses, 2½-in., White Killarney, \$3.50 per 100; \$75 per 1,000. Pink Killarney, My Maryland, \$6 per 100; \$55 per 1,000. Richmond, \$5 per 100; \$40 per 1,000. Am. Beauty, \$7 per 100; \$65 per 1,000. Kaiserin, 2½-in., \$30 per 1,000; 3½-in., \$50. Bride, 2½-in., \$25 per 1,000; 3½-in., \$40. Bench Beauties, \$45 per 1,000. Pöhlmann Bros. Co., Morton Grove, Ill.

**ROSE PLANTS, 2½-INCH POTS.**

|                 |     |       |
|-----------------|-----|-------|
| Kaiserin        | 100 | 1,000 |
| White Killarney | 7   | \$35  |
| Killarney       | 5   | 45    |
| Mrs. Jardine    | 4   | 35    |
| Bridesmaid      | 3   | 25    |
| Richmond        | 3   | 25    |

WIETOR BROS.

51 Wabash Ave. Chicago.

Roses. For prices and varieties see advertisement elsewhere in this issue. E. G. Hill Co., Richmond, Ind.

Perles, Maids, Brides, Richmonds, fine 3-in., strong, healthy stock, \$5 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Rose Kaiserin, 4-in., own root, \$40 per 1,000. W. H. Elliott, Brighton, Mass.

Roses, Bride, Maid, Golden Gate, 3-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

New Rambler (violet blue). Ellwanger & Barry, Rochester, N. Y.

Roses a specialty. Dingee & Conard Co., West Grove, Pa.

Roses, leading varieties. Leedle Floral Co., Springfield, O.

Roses, 3-in. Wood Bros., Fishkill, N. Y.

## SALVIAS.

Salvias, 2½-in. pots, 3c each; \$2.50 per 100. Fine aster plants, 2c each. B. F. Castner, 120 Taylor St., Washington, N. J.

Salvia Bonfire and Zurich, 3-in., \$2 per 100; \$17.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Salvias, Zurich, Bonfire and Splendens, 3-in., 5c. Mosbaek Greenhouse Co., Onarga, Ill.

Salvia Zurich, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

## SEEDS.

Seeds, Asparagus plumosus nanus, 100 seeds, 60c; 250, \$1.25; 1,000, \$4. Sprenger, 100 seeds, 15c; 250, 25c; 1,000, 75c; 5,000, \$3.25. Vaughan's Seed Store, Chi. & N. Y.

Seeds, onion, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seed, asters, mignonette, Begonia Vernon, Cineraria, Primula Chinensis, Obconica, Salvia Bonfire and Splendens; Verbenas, Cyclamens and Pansy. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Seeds, Bermuda onion, Federico C. Varela, Tenerife, Canary Islands.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

The Best Seeds for Dealers. Truckers, Plant Growers. Get price list from Francis Brill, Grower, Hempstead, N. Y.

Seeds of all kinds. H. E. Fiske Seed Co., Boston.

Seeds of all kinds. Winterson's, 45 Wabash Ave., Chicago.

Seeds, pansy. Fred. Roemer, Quedlinberg, Germany.

## SPIREAS.

Spireas. J. Smits, Ltd., Naarden, Holland.

## STEVIA.

Stevia, 2½-in., \$4 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

## STOVE PLANTS.

Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

## VEGETABLE PLANTS.

Tomato plants, all the best sorts from seed bed, \$2 per 1,000; transplanted, \$3 per 1,000. Cauliflower, Erfurt, large from seed bed, \$2 per 1,000; transplanted, \$3 per 1,000. Cash. E. Fryer, Johnstown, Pa.

Vegetable plants. Tomatoes, leading var., 3-in., \$4 per 100; from seed bed, \$1 per 100. Celery, transplanted, White Bl., 50c per 100; Golden Self B., 75c per 100. Society of the Divine Word, Techny, Ill.

A large stock of sweet potato plants now ready. Yellow Nansemond, Big Stem Jersey and Early Golden, \$1.25 per 1,000; \$10 per 10,000. H. Austin Co., Felton, Del.

## VEGETABLE PLANTS.

Cabbage—Danish Ballhead and Early Jersey, seedlings, ..... \$1.25  
Cabbage—Danish Ballhead, transplanted 3.50  
Cauliflower—Seedlings ..... 4.00  
Cauliflower—Transplanted ..... 5.00  
Egg Plant—Seedlings ..... 3.00  
Egg Plants—Pot plants, per 100, \$2  
Peppers—Pot plants, per 100, \$2  
Tomato Seedlings ..... 2.00  
Tomato—Pot plants, per 100, \$2  
Lettuce—Grand Rapids, Hanson's Improved, Selected, Immensity ..... 2.00  
MOSBAEK GREENHOUSE CO., Onarga, Ill.

Vegetable plants, beet, 20c per 100; \$1.25 per 1,000. Egg plant, 40c per 100; \$2 per 1,000. Pepper, Bull Nose, Sweet Mountain, Ruby King, 40c per 100; \$2 per 1,000; Tomato, small plants, Earliana, Early Jewel, Dwarf Stone, Champion, Ponderosa, Matchless, 30c per 100; \$2 per 1,000. Tomato, small plants, Stone, Paragon, Favorite, Success, 20c per 100; \$1 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

50,000 sweet potato, Red Bermuda, Yellow Jersey, Early and late tomatoes, \$2 per 1,000. Early and late cabbage, \$1.50 per 1,000. Kale, Kohi Rabi, Celery, 30c per 100. Cash. Mrs. Edward Hayden, Greenview, Ill.

## VERBENAS.

Verbenas, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

40,000 Verbena plants in bud and bloom, \$20 per 1,000. Coleus plants at same price. J. L. Dillon, Bloomsburg, Pa.

## VINCAS.

Vinca minor, the hardy vinca for cemetery planting and under trees, where grass will not grow; well rooted layers, \$1.50 per 100; \$10 per 1,000. E. Y. Teas, Centerville, Ind.

Vinca variegata, extra strong stock well set with leads, ready for shift, 2½-in., \$2 per 100; \$18 per 1,000; 3-in., \$5 per 100. Cash. Freepot Floral Co., Freeport, Ill.

Vinca variegata, 5-in., 20c, extra fine. Vinca minor, field-grown, \$4 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Vinca, green, fine A1 plants, 2½-in., \$1 per 100; \$9 per 1,000. Cash. S. W. Carey, Urbana, O.

Vinca variegata, 4-in., \$8 per 100. J. S. Hennon & Son, Wampum, Pa.

Vinca, 2½, 3 and 4-in., \$3, \$5 and \$9 per 100. West End Greenhouses, Lincoln, Ill.

Vincas, 4-in., green and var., \$10 and \$12 per 100. W. W. Coles, Kokomo, Ind.

## VIOLETS.

Marie Louise Violet plants, first quality stock, \$2 per 100; \$15 per 1,000. Swanley White, extra quality stock, \$2.50 per 100. Ready for shipment. Cash with order. J. Vonder Linden, Rhinebeck, N. Y.

## BOILERS.

Forty horse-power boiler for steam or hot water, almost new. Write for price. C. C. Pollworth Co., Milwaukee, Wis.

Gem City Return Tubular Firebox boilers. The Gem City Boiler Co., Dayton, O.

## GLASS.

Glass 16x18 double A glass. Write the C. C. Pollworth Co., Milwaukee, Wis.

## GLAZING POINTS.

Glazing points, Lord & Burnham special glazing nails (points), Lord & Burnham Co., 1133 Broadway, New York.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc never-rust glazing points, 2 sizes, ¾ and ½, 40c per lb.; 16c extra by mail; 7 lbs., \$2.50; 15 lbs., \$5 by express. Randolph & McClements, Baum & Beatty Sts., Pittsburg, Pa.

## GREENHOUSE CONSTRUCTION.

Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings & Co., 1170 Broadway, New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk, Chicago.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

## MISCELLANEOUS.

Meyer green alkaline, \$1.25 per lb., 8 spools to lb. Meyer violet thread for violets, \$1.25 per doz. spools of 500 yards each. John C. Meyer Co., 1449 Middlesex St., Lowell, Mass.

Ammoniated lawn lime. Wholesale prices on request. Superior Chemical Co., Louisville, Ky.

Rocking grate bar, saves 10 to 25 per cent coal. U. S. Rocking Grate Bar Co., 77 Jackson Blvd., Chicago.

Richmond carnation supports, rose and mum stakes. Eagle Machine Works, Richmond, Ind.

The Mastin Automatic Whitewash and Spraying Machine. J. G. Mastin & Co., 3124 W. Lake St., Chicago.

Hammond's Slug Shot. B. Hammond, Fishkill-on-Hudson, N. Y.

Iron reservoir vases and lawn settees. McDonald Bros., Columbus, O.

Pulverized Sheep Manure, Sheep's Head Brand. Natural Guano Co., Aurora, Ill.

Pillsbury's Carnation Staple, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

## PIPE.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U-bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., Western and 26th, Chicago.

Pipes and fittings, cast iron and wrought pipe, valves, elbows, pipe hooks, automatic air headers, etc. Lord & Burnham Co., 1133 Broadway, New York.

Iron fittings, patent iron bench fittings and roof supports. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Pipe and fittings. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Pipe, valve fittings. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Ideal pipe clamps. Wm. Moll, 1664 Columbus Rd., Cleveland, O.

Four-inch pipe, 8c per foot. C. C. Pollworth Co., Milwaukee, Wis.

## POTS, PANS, ETC.

"NUFF SED." Best red pots are made by Geo. E. Feustel, Fairport, Iowa.

Pots, before buying write for prices. Geo. Keller & Sons, 2614-22 Herndon St., Chicago.

Pots, florist red. Peters & Reed Pottery Co., Zanesville, O.

Pots, Syracuse red. Syracuse Pottery Co., Syracuse, N. Y.

Neponset waterproof paper flower pots. Vaughan's Seed Store, Chicago & New York.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots, Standard, all sizes. A. K. Kohr, 2934-38 N. Leavitt St., Chicago.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

## STAKES.

Cane Stakes. Standard grade 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000. Pipe stems about 6 feet per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

## STEAM TRAPS.

Steam traps, the Standard return steam trap has no equal for its simplicity of working. E. Hippard, Youngstown, O.

Morehead Return Steam Traps, Morehead Mfg. Co., 1047 Grand River Ave., Detroit.

Detroit return traps. American Blower Co., Dept. A. F., Detroit, Mich.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It



Has stood the test of over a Quarter of a Century.

# THOMSON'S Vine, Plant and Vegetable MANURE

UNRIVALLED  
FOR

Vines  
Tomatoes,  
Cucumbers,  
all Flowering,  
Foliage and  
Fruit bearing  
Plants,  
Vegetables,  
Lawns, etc.



The result of  
many years  
practical  
experience.

PERFECT  
PLANT FOODS

Sold by  
Leading  
American  
Seedsmen.

— ALSO —

Thomson's Special Chrysanthemum  
and Topdressing Manure

Freight paid on quantities. Write for our  
special offer to the American trade, pamphlets,  
agents' circulars, etc. to sole makers,

WM. THOMSON & SONS, Ltd.,  
Tweed Vineyard, Clovenfords, Scotland

Mention the American Florist when writing

Sheep's Head Brand

## Pulverized Sheep Manure



The Ideal  
Plant Food  
for Florists.

Write to  
day for  
Prices and  
Booklet.

NATURAL GUANO COMPANY,

Aurora, Ill.

Mention the American Florist when writing

## Cattle Manure in Bags Shredded or Pulverized



Pure—dry—uniform and reliable.  
The best of all manures for the  
greenhouse. Florists all over the  
country are using it instead of  
rough manure.

### Pulverized Sheep Manure

Absolutely the best Sheep Manure on  
the market. Pure manure and nothing  
else. The best fertilizer for carnations and for  
liquid top-dressing. Unequalled for all field use.  
Write for circulars and prices.

The Pulverized Manure Company  
32 Union Stock Yards, Chicago.

Portland, Me.

Mrs. Eliza Minott, widow of J. W. Minott, died May 20. Mrs. Minott was always interested in the success of the business and lived to see it grow to be one of the largest and most successful in the state.

The Dennett store, with new show windows and other improvements, is now very attractive.

John Burr of Freeport and S. Pederson of Scarborough are sending in fine stock.

There is a good trade in bedding plants.

KENDALLVILLE, IND.—Henry Johnson, formerly of Angola, will have to build more houses as he is crowded for room.

# AMMONIATED LAWN LIME

## Kills Weeds — Makes Grass Grow

Applied as a light top dressing to lawns it kills all flat leaved weeds, such as Dandelion, Daisy, Plantain, Sorrel, Chickweed, Moss, etc., in 48 hours, and without other fertilizer produces a wonderful, luxuriant, rich, green growth of lawn grasses, which is distinctly noticeable 50 feet away.

The use of Ammoniated Lawn Lime supersedes hand weeding of lawns, putting greens, etc. It saves the grass from being pulled up and in many cases ruined. Grasses take a new vigorous growth, avoiding probable trouble in future.

Quantities: If very weedy, 1 lb. to 40 square feet; 25 lbs. to 1000 square feet (20x50). Half to one-quarter amount if moderately weedy.

## Absolutely Guaranteed

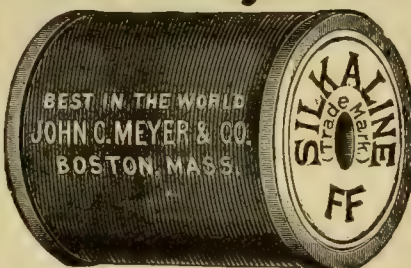
Money Refunded if Not Satisfactory

PRICES: 5 lbs., 50c; 25 lbs., \$2.00; 50 lbs., \$3.50; 100 lbs., \$6.00; 1000 lbs. and over, 5c per lb. We will ship a 100-lb. bag of Ammoniated Lawn Lime at \$6 00, f. o. b. Louisville, to any superintendent of a cemetery, park or private estate where references are furnished. It is absolutely guaranteed as represented, if used as directed; if not satisfactory, we are to be notified within 30 days from date of invoice.

Descriptive Circular on request.

SUPERIOR CHEMICAL CO., Incorporated  
Manufacturers, Louisville, Ky.

## The "Meyer Green Silkline"



is the only Green Thread that should be used by florists and growers. It is guaranteed full weight and full measure.

Also Violet Thread for tying up Violets. Price of both, \$1.25 per lb.

For sale by all first-class supply houses. If your dealer does not carry it in stock, write us direct, giving us his name.

JOHN C. MEYER & CO., 1449 Middlesex St., Lowell, Mass.

## Evergreen Brand Flower Fertilizer.

A Pure Plant Food immediately available. It permanently enriches the soil. It prevents the onslaught of plant diseases or insect pests. Can be used at any time during the growing season, dry or in solution. Put up in 12 pound cans, Price, \$2.00 each.

For Sale by Leading Jobbers

Further information can be obtained from

D. D. JOHNSON CO., Manufacturers,  
64-66 Wabash Ave., CHICAGO.

## The Mastin Automatic Whitewash and Spraying Machine Is Reliable, Practical and Durable



The tank is made of galvanized sheet steel, and in brass. The pump is of brass throughout, simple and powerful. The mixing device keeps the contents of the tank well stirred up from start to finish. When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

All parts are made to gauge and may be had for repairs.

Ask your dealer about our Extension Hose, Extension Rods, and the Mastin Whitewash Nozzle for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. MASTIN & CO., 3124 West Lake St., CHICAGO, ILL.



## Greenhouse Material.

HOT-BED SASH.  
GREENHOUSE HARDWARE,  
POSTS, ETC.



Inside View of the "Dietsch" Short Roof Houses.

Write Us for Sketches  
and Estimates; they  
will be of interest to  
you. : : : : :

Washington Red Cedar and Louisiana Cypress.  
RELIABLE GRADES.

**A. DIETSCH CO., 2642 Sheffield Ave., Chicago**

## THE STANDARD

### VENTILATING MACHINERY

The original machine with self-oiling cups. The most powerful, least complicated, very compact, with ease of operation.

### The New Duplex Gutter

Over six miles in use and highly recommended by all. The only Drip Proof gutter on the market.

### The Standard Return Steam Trap

It has no equals for simplicity or its working. Catalogue free.

**E. HIPPARD, Youngstown, Ohio**

Write to us about

## Materials and Plans

for any size and style of

## GREENHOUSE

for new structure or repairs.

**Hot Bed Sash** In stock or any size required.

### Pecky Cypress

for benches, lasting and least expensive.

**The Foley Mfg. Co.,**

Western Ave and 26th St.

CHICAGO.

### The Worm Turns.

Stockbridge, Mass., May 23.—President Charles S. Mellen of the New Haven road, declared against less than 10 hours a day for a laborer at Council Grove, his country place, today. He discovered that William Donaldson, foreman of the flower and vegetable gardens, was employing men at \$1.75 for nine hours a day. He had been doing so for three years. Mr. Mellen gave Donaldson and his men the alternative of working 10 hours or quitting their jobs. Donaldson threw up the job and walked off the estate, followed by all the men. Most of them have found other positions.

Newport, R. I., May 22.—Deputy Sheriff Frank L. De Blois has placed on the villa of Charles Astor Bristed of Lenox and Newport, known as Fel-

There is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

SEND FOR CATALOG.

## U-BAR GREENHOUSES

PIERSON  U-BAR CO.

DESIGNERS AND BUILDERS 1 MADISON AVE., NEW YORK.

Use our patent  
Iron Bench  
Fittings and  
Roof Supports.

## THE JENNINGS<sup>IMPROVED</sup> IRON GUTTER.

### IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

**DILLER, CASKEY & KEEN,**

8. W. Corner Sixth and Berk Streets

PHILADELPHIA.

VENTILATING  
APPARATUS.

seck, an attachment of \$300 in an action brought by James Anthony of Newport to satisfy a claim for gardener's work about the estate. The estate is advertised for sale at auction to satisfy the terms of the mortgage of the savings bank of Newport.

Newport, May 23.—A demand for more wages, accompanied by a threat to strike and let Newport's beautiful lawns go to weeds, came today from

300 assistant gardeners in the cottage district. They have formed the Gardeners' Assistant's Union, and give the cottagers until June 1 to come to terms. For the past 20 years these men have worked for \$1.87 a day. They say they can no longer live on that and ask \$2.25. One complaint of theirs is that cottagers of the millionaire class are exceedingly slow pay, even at \$1.87 per.



## WILKS'

### Hot Water Boilers

ARE THE MOST ECONOMICAL

#### Boiler for Greenhouses

No Night Fireman Required  
with our

#### SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

S. WILKS MFG. CO.,

3503 Shields Ave.

CHICAGO.

## Steel Return Tubular Boilers

The Most Economical Type of Boiler for Greenhouse Heating. Highly recommended by well-known florists.

JOHNSTON HEATING CO., 138 E. 31st St.,  
NEW YORK.

#### Hollyhocks.

One often sees the most elaborate instructions for growing hollyhocks, especially with regard to the wintering of the plants on damp soils, but whatever may be necessary when growing with an exhibition in view, I have found, says a correspondent of the Journal of Horticulture, that even with my cold damp soil and situation, excellent results can be obtained with little more trouble than that given to many other hardy plants. The hollyhock is usually spoken of as a hardy perennial, and the same term applies with about an equal degree of truth to the wall-flower and the antirrhinum. I treat it as a hardy biennial, and any plants which have a mass of vigorous leaves from the root after flowering is over are left for another season, such plants often being as effective as any, if not more so, producing, as they do, three or four, or sometimes as many as half-a-dozen, fine spikes of flower to the plant. It needs a very unfavorable winter indeed for such vigorous old plants to succumb.

Hollyhocks love a damp soil in the summer, but it is often fatal to them in the winter after they have flowered, or, in the case of plants raised from cuttings, even before they flower. With seedling plants well established in their flowering positions before the soil gets cold in the autumn there is little fear of loss in any normal winter. The first essential in growing them is good cultivation, and that involves deep digging, and liberal supplies of animal manure, with the addition of basic slag, bonemeal and superphosphate of lime, to secure a hard and sturdy growth rather than a rank and sappy one. An ill-balanced supply of plant food, which in gardens usually means an undue proportion of nitrogenous matter relatively to the mineral constituents, often results in a kind of growth which is peculiarly liable to injury, either by excessive frost or dampness during the winter. Named sorts are very fine and very tempting to grow, but when they are raised from cuttings, as is pretty generally the case, they are very liable to attacks of the hollyhock fungus, and when that is detected the best thing is to pull up the infected plant at once and burn it.

The amateur who does not make a specialty of the flower will do much better in getting a packet of the best seed of large flowered double varieties, the extra vigor of which will go far



### Our Sectional Boiler and Its Smoke Box

Only Sectional Boiler with hubs on any of its sizes, for socket connections. Has short tie bolts and no screw nipples, which makes set-up easy. Smoke box can be swung around to any position to accommodate smoke pipe. Base furnished with each boiler—no masonry work required. Send for prices.

Hitchings & Company,

Elizabeth, N. J.

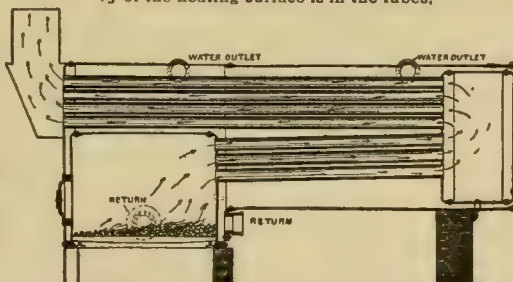
## The Superior Standard

### RETURN FLUE FIRE BOX BOILER

contains more heating surface, and less water space than any other steel boiler.

$\frac{2}{3}$  of the heating surface is in the tubes.

Ask the man that knows the one using different style boilers—names are yours for the asking.



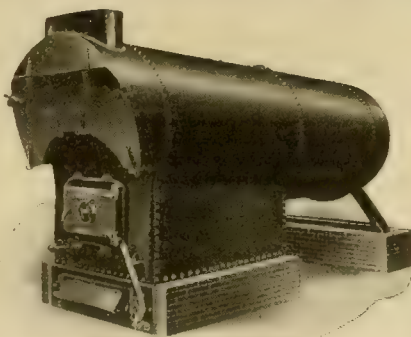
After using our boiler one season, you will say like all others: Nothing but "Superior" for me.

This boiler has given better satisfaction than any other boiler on the market

MADE IN NINE (9) SIZES FOR HOT WATER.

Send for catalogue and list of growers that are using this boiler.

THE SUPERIOR MACHINE & BOILER WORKS, 840-850 Superior St., Chicago.



## The Gem City Return Tubular Firebox Boilers

Are the most economical for Greenhouse heating.

Send for descriptive matter and prices.

THE GEM CITY BOILER CO.

DAYTON, OHIO.

to make up for any inferiority in the quality of the flowers, besides going a long way in warding off the disease. Seed may be sown in pans and put in gentle heat in February, or in a cold frame later, but the earlier the plants

can be raised the stronger and bigger they will become by the autumn, and as the stateliness of the plant is proportionate to its vigor and growth this is a desideratum. As soon as the seedlings are large enough they should



# Tobacco Paper "Nico-Fume" LIQUID

IS THE  
STRONGEST  
BEST PACKED  
EASIEST APPLIED

|                  |         |
|------------------|---------|
| 24 sheets.....   | \$ 0.75 |
| 144 sheets.....  | 3.50    |
| 288 sheets.....  | 6.50    |
| 1728 sheets..... | 35.10   |

Furnishes the  
Most Nicotine for the Money!

OVER 40% NICOTINE

By far the  
CHEAPEST  
JUST NOTE PRICES

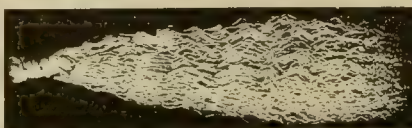
|                |         |
|----------------|---------|
| Pint.....      | \$ 1.50 |
| ½ Gallon.....  | 5.50    |
| Gallon.....    | 10.50   |
| 5 Gallons..... | 47.25   |

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville Ky.

be pricked out on a bed of good soil, deeply cultivated, but not freshly manured—the matter of full sunshine or partial shade not appearing to be very essential as long as they have plenty of air, though doubtless the former is preferable. It is sometimes recommended to pinch off anything in the nature of a tap-root when pricking out the seedlings, as is done with wallflowers, to facilitate removal in the autumn with a good mass of fibrous roots with earth attached. They will make large plants by the autumn in any position if they have an extended root-run in good soil. A hot season will sometimes cause many of them to run up for bloom when they are raised very early, but, looking to future results, is not advisable to let them do so. As soon after September comes in as possible, so as to get them established before cold weather comes, they should be planted in their flowering positions, about three feet apart each way if they are massed on a border. A mulching of strawy manure will be a protection to them during the winter.

The hollyhock is not a plant for small gardens or for confined spaces anywhere, as it needs room to display itself apart from the necessity of growth. For making a break in large borders nothing is finer, especially when such borders are in front of ugly lines of shrubbery or wall. For flower beds on a lawn they may be used with splendid effect, either in a bed by themselves or in combination with other things as a setting or groundwork. Staking needs early attention, and must not be long deferred after the growths get up in the early summer. When cutting the plants down in the autumn those which it is intended to leave for another season should not be cut down too low, as the foliage on the stems, if the plants are healthy, helps to nourish the shoots from the base as well as dispose of the excess of moisture about the crowns. Water sometimes stands on the crowns where the stems have been ruthlessly cut down right to the heart of the plant. In the spring, all unsightly stumps can be removed with impunity. Plants which have flowered often die off during the winter through moisture collecting round the base of the crowns. A little of the damp soil should be removed in the autumn and the cavity round the necks of the plants filled with silver sand, burnt earth, or ashes. Some short stable litter scattered amongst the plants will also assist them to withstand any exceptionally severe weather which may come. Some recommend that plants growing in a wet soil should be removed in the autumn to a sheltered position under a south wall or hedge; but this so impairs the vigor of the plants that I think it is better to let them take their chance and risk the loss of some of them, assuming one to have a supply of young plants to fill up the gaps.

## Raffia



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### Vaughan's Seed Store

There will doubtless be some varieties from a packet of good seed which it is desired to save seed from, but otherwise the upper parts of the flowering stems should be removed as soon as flowering is over, or as soon as the lanky stems have become sufficiently untidy, to help the plants to recuperate. Some will come pretty true from seed, and this is perhaps the better way of trying to perpetuate a favorite variety, having regard to the likelihood of disease amongst plants propagated in other ways and the trouble involved. Seed may be sown in heat in the autumn as soon as it is ripe, and if the seedlings are potted off, kept under glass during the winter, and planted out in April, they will flower in the late summer and autumn of the same year. The easier way, however, is sowing in the early spring. Propagation of old plants may be effected in all manner of ways: by cuttings, buds, eyes, grafts, etc., one of the best, perhaps, being the taking of shoots from the crowns in the early spring and striking them in heat. These, if they can be obtained early enough in the year, will produce flowering plants the same season. Old plants may be taken up and forced for this purpose.

Though the double hollyhock only has been referred to, the single form though not producing such fine individual flowers, in the opinion of most, is not a whit less decorative as a plant than the other, and has been increasing in favor of late years. It is scarcely necessary to buy seed of single varieties unless one wants them specially, for double seed, as purchased, usually produces a certain proportion of more or less single flowers. Of the double varieties there are various forms, differing not only in their degrees of doubleness, but in the development of the outer or guard petals, these, in some cases, acting as a sort of flange to the central mass of the flower, and in others not projecting beyond it, each flower thus forming a sort of ball. The former type is certainly to be preferred.

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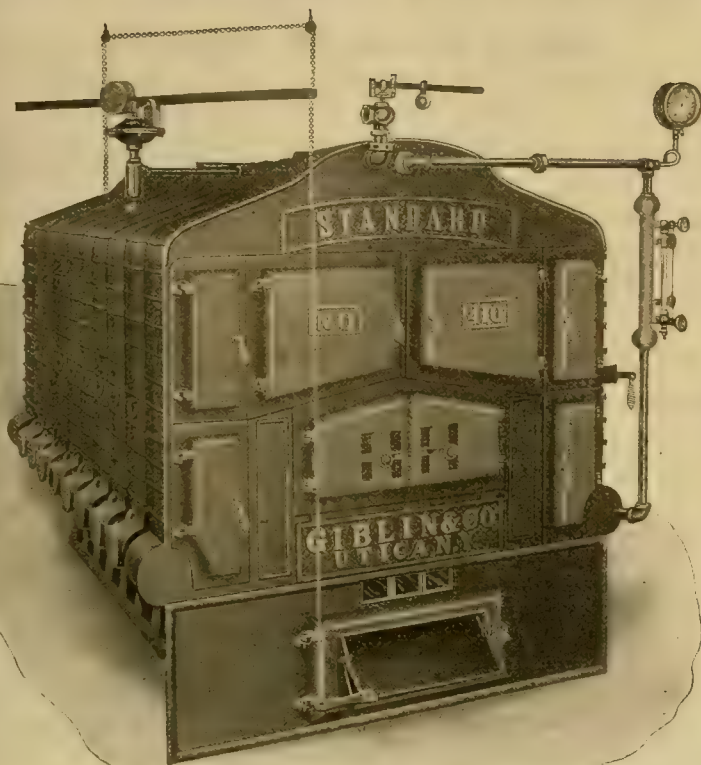
**Aphine Manufacturing Co.**  
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### Common Names.

The only thing certain about common names, is that a plant has a common name when it is commonly called by that name in any part of the world. This reflection is induced by a note in a British contemporary protesting against the use of thorn-apple as a common name for the fruits of our species of hawthorn or crataegus. "Considering its long accustomed use for datura," says the writer, "this must cause confusion." Here in America the case is just the other way about. Confusion would exist if our common Jimson weed was called thornapple. Considering the case strictly on its merits, the hawthorn fruits have much the better right to be called thornapples for they are certainly little apples and they are borne on thorn trees. Nevertheless we shall have to let it go at that, for both plants are commonly called thorn-apple in different parts of the world and thus both are entitled to the name.—American Botanist.



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Sharon Hill, Pa.—Robt. Scott & Son, one house 25 x 100 feet and one 50 x 142 feet.

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Great Neck, N. Y.—Estate of William Tatum, one palm house, two greenhouses.

Binghamton, N. Y.—W. R. Gray & Son, one greenhouse at Lestershire.

Berkeley, Calif.—J. A. Carbone two greenhouses 110 feet long for orchids.

St. Laurent, Que.—Camille Gratton, one greenhouse, 20x100 feet.

Mobile, Ala.—F. B. Feasell, several greenhouses at Ocean Springs.

Reading, Pa.—Herman Stabenow, one greenhouse 20 x 100 feet.

Pittsfield, Mass.—Estate of Arthur N. Cooley, one greenhouse.

Hillsboro, Ill.—Geo. L. Zeall, one greenhouse, 25x75 feet.

Baltimore, Md.—Chas. H. Cook, four houses at Catonsville.

Cleveland, O.—In Gordon park, a 100-foot greenhouse.

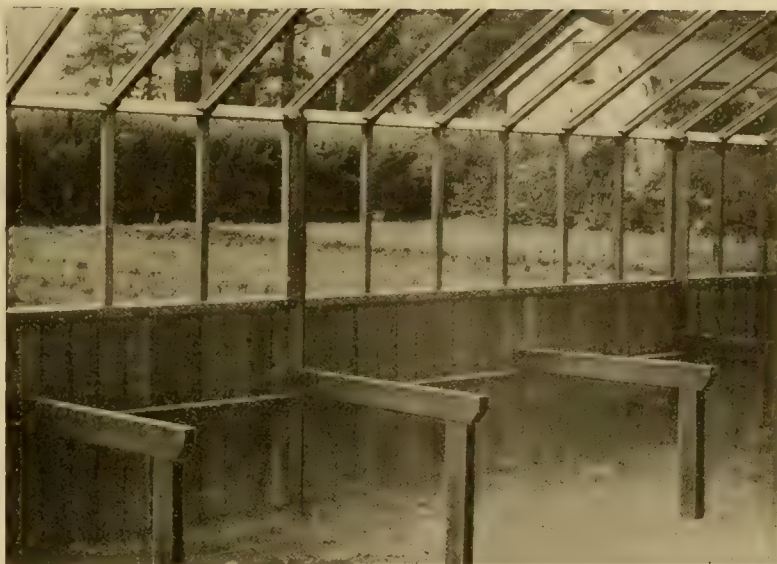
Rochester, N. H.—C. W. Bradley, one greenhouse.

Sumner, Wash.—Sumner Floral Co., one greenhouse.

Woburn, Mass.—William Ward, one greenhouse.

Ironwood, Mich.—R. Lutey, one greenhouse.

Milbrook, N. Y.—W. C. Russell, one greenhouse.



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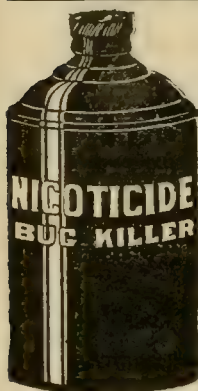
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### Introduction of the Dahlia.

The first of the dahlias—*D. variabilis*—was brought by Lady Bute to England in 1789, but was lost. It has long been known that the dahlia was first bloomed in England at Holland House, but not until the publication of Princess Marie Liechtenstein's volumes, entitled "Holland House," were the circumstances of the plant's introduction published. The imperious Lady Holland of George III.'s reign aimed at being first in everything—even her culinary productions were to be unparalleled. When in the south of France she first became acquainted with Palestine soup, a name wittily applied because its characteristic ingredient is the Jerusalem artichoke. She obtained some tubers, which were believed to be of that vegetable, and

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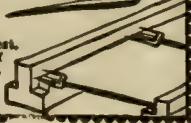
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FULL SIZE  
No 2



they were sent to the gardener at Holland House. Instead of the artichoke they were tubers of the dahlia, and she had the value of the acquisition impressed upon her by a London florist offering 30 guineas (\$150) for a tuber. Another mode of its acquisition, however, is that she was at Valentia, in 1804, and had it given to her as a rarity just arrived from South America. However, she was the introducer, and thus occasioned the graceful verses written by her husband—

"The dahlia you brought to our isle,  
Your praises for ever shall speak,  
In gardens as sweet as your smile,  
And colors as bright as your cheek."

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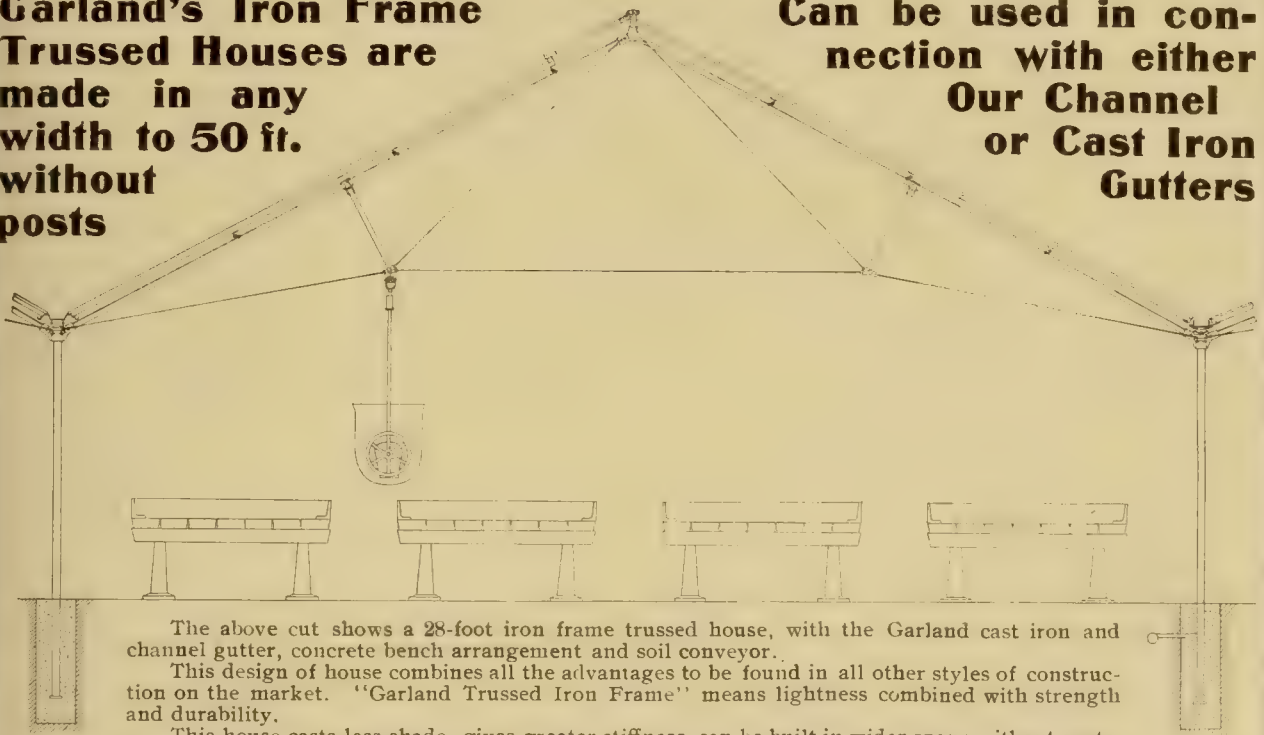
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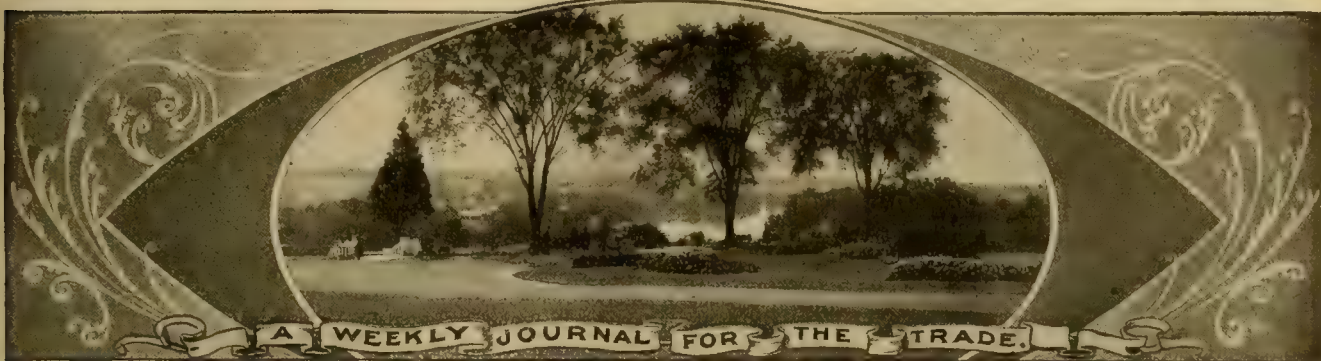
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# THE AMERICAN FLORIST



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Vol. XXXIV.

CHICAGO AND NEW YORK, JUNE 11, 1910.

No. 1149

## THE AMERICAN FLORIST

TWENTY-FIFTH YEAR.

Copyright, 1910, by American Florist Company.  
Entered as Second-Class Matter Nov. 11, 1891,  
at the Post Office at Chicago, Illinois,  
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

**AMERICAN FLORIST COMPANY,**

324 Dearborn St., Chicago,  
Long Distance Phone: Harrison 7465.

Eastern Office: 1133 Broadway, New York.

Philadelphia, Pa.: Robt. Kift, 1725 Chestnut St.

Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a  
year; Canada, \$2.00; Europe and Countries  
in Postal Union, \$2.50. Subscriptions  
accepted only from the trade. Vol-  
umes half yearly from August, 1901.

Address all correspondence, subscriptions, etc.,  
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See Page 979.**

## HALF HOUR CHAPTERS FOR FLOWER GROWERS

### Callas.

Some of the earlier plants should be partially dried off now and, by withholding water gradually, will be in fine condition for an early rest in summer and consequently an early start. The water supply must not be cut off all at once or the growth will be checked too suddenly. By the end of the month they will be sufficiently dried to be put outside and should be placed in the full sun. As the foliage turns color preparatory to falling, give them a wetting down with the hose once or twice a week and then let them have a thoroughly good baking in the sun, giving no water at all. Good crowns will be ripened up by the end of July and they can then be again watered. As soon as the growth is seen to be starting and before the roots have made any progress they can be potted, standing them again in the full sun and watering regularly as the foliage develops. These will be fine stock for early forcing.

### Planting Dahlias.

The quarters for the dahlias should by now be in first class condition for planting and there is no reason for any further delay. Pot roots of large size with the shoots just starting are the easiest to plant but it is doubtful whether the results are as good, especially when quality of flowers is the object, as from small plants raised from cuttings this season. These require careful handling from the first and this care is well repaid. The ground having been marked out and the plants placed, knock them out with the trowel handle and plant carefully and firmly. If the plants are long enough to have been staked in the pots then these stakes will be sufficient in the meantime and can be replaced with larger ones later, but if not a stake should be placed to each plant and the stem tied to it very loosely to prevent its being blown over. The succulent nature of the young dahlia plants always attracts insects, especially slugs and

snails, and to keep these at bay a quantity of dry lime and soot should be scattered around among the plants. Lime alone or soot does not inconvenience these pests but the two combined prove a combination that they cannot stand and are a safeguard against them. At first the plants must be watered regularly but keep the water off the soot and lime as much as possible as when wetted it loses its power as an insect killer owing to its crusting over and allowing the slugs and snails to pass over it easily. A few spruce branches or similar protection will be useful at the start.

### Bouvardias Outdoors.

The young stock of bouvardias should now be well hardened and fit for planting out where this system of culture is followed. The bouvardia, while a fairly hardy plant, has small delicate roots in the young stage, consequently the soil for the reception of the young stock should be well prepared and in good mechanical condition rather than unduly rich. The position for growing the plants should be open but, if possible, protected by distant buildings or trees. They should not, however, be grown under trees as such positions lead to weak, insect-infected growth. The soil should be broken down finely and the plants set out about 18 inches apart each way. Make the soil very firm to lead to a solid, floriferous growth rather than a rapid, soft one. The young plants, if they have been well prepared, will have from three to five or more young shoots and these should be pinched when planting out to cause them to bush out still more. As soon as planted give a thorough watering to settle the soil around each plant individually, and, if the weather proves warm and dry, spray the heads regularly twice or more daily. They will soon become re-established and grow away freely when the shoots must be pinched every two weeks to prevent flowering and lead to a bushy, well developed plant that will flower freely when lifted in fall. We usually set bouvardias in beds containing five



rows of plants to prevent walking on the soil when manipulating the growth.

### English Wallflowers.

English wallflowers are so easily managed and grown that they are often given very little attention. But far better flowers will be produced and the plants will be much more satisfactory all around if care is given from the start. To get fine plants for benching in the late fall or early winter seed can now be sown. Choose an open position for the seed bed and clean and prepare it well, sowing the seed thinly broadcast. A good watering should be given if the soil is at all dry and after sowing sprinkle some fine dry soil over the surface to cover the seed. In a few weeks the seedlings will be up and fit for transplanting, when they may be pricked out nine inches apart on well prepared, firm soil. A little cultivation regularly during the summer and occasional waterings should the weather be very dry and hot will insure good plants. The wallflower is not a gross feeding plant and anything in the way of fresh manure or over-watering is bad for it. But a mulch of loose litter during the heat of summer will prove an advantage in keeping the soil moist and the foliage in good order. Plants sown now will flower early in winter and later batches may be sown next month outdoors, or indoors in August.

### Doronicums.

There are no finer spring flowers than doronicums for cutting and they are all the more valuable on account of their flowering at a time when yellow composites or daisy-like flowers are scarce. Most of this class flower in summer and early autumn while the doronicums come in with the earlier spring flowers, are bright in color, have long stems, last well and are generally satisfactory. Our reason for calling attention to them just now is that this is the proper time for propagating. The plants should be taken up directly after flowering and divided. If there is plenty of stock use only the outer and more vigorous shoots as these make stronger, better plants. But any part of the plant will grow if stock is scarce. Each division can be secured with a little root to it and will make a plant. They should be set out in nursery beds about nine inches apart each way and by the fall will have grown into nice stock. Next year these plants can be kept intact if necessary, dividing every second year, or they may, if stock is scarce, be divided annually. Besides this method of culture, doronicums may be raised from seed sown now. The seed should be sown very thinly outside in drills about six inches apart and not covered more than a quarter of an inch. As soon as the plants are large enough to handle they should be thinned to two inches apart and will be nice sturdy little stock by autumn when they may be lifted and planted in protectors or wherever they are to flower. The flowering the first season will not be heavy but the following year they will do well. But if seed is sown in frames or in the greenhouse in February and grown on the first summer outside fine plants will be produced for flowering the following spring.

## THE RETAIL TRADE

THERE is no finer flower for bridal bouquets than lily of the valley and the accompanying illustration shows what a fine effect can be produced under the hands of a skillful designer. Growers now prepare large quantities of this favorite flower especially for June weddings and there is never any shortage. Retailers should, however, give their orders in advance as far as possible to avoid disappointment.

### Ship As Dinner Table Decoration.

The accompanying illustration shows a table decoration carried out by the Metairie Ridge Nursery Co., New Orleans, La. The dinner was



Bridal Bouquet of Lily of the Valley.

given in honor of parties leaving New Orleans on the S. S. Adriatic direct for London. The floral piece was an exact reproduction of the ship they were leaving on. The length of the ship was seven feet; the width 28 inches; the total height five feet. The hull was made of 2,000 pink carnations; the smoke stacks of Perle roses and double violets, the hatch holes of Bridesmaid roses, 14 port holes of double violets, the funnels of balsams, the railings, wireless and sail ropes were of silver cord and sweet peas, the name being made with gold letters on silk ribbon. The flags were miniature silk ones, hand made and embroidered to exactly match the flags she carries. While the guests were at the table, the flags were always waving and made a very pretty sight.

### Flowers in the Chicago Stores.

Taking a retrospective view of the month just passed the good quality of the indoor stock and the scarcity of outdoor flowers stand out as the most remarkable points. Late in March and early in April, everyone was remarking on the earliness of the season. Shrub flowers will be all over and peonies almost all gone by Memorial day, and there will be no flowers to do business with was the dire calamity foreshadowed by the man who is so busy looking for trouble ahead that he fails to enjoy the good times that are present. Then came the frost and snow and altered all this and from being a month ahead the season suddenly switched to a week or two late, and the pessimistic individuals were worried because the local peonies were not out and there would be no lilacs, only a few snowballs, etc.

The truth is that there has seldom been a better May for business or better stock to do business with than that of 1910. Taking the flowers in some semblance of order, we may mention that American Beauty roses were of better quality than usual and very plentiful right along. All the larger growers were in full cut right through the month and a large amount of stock was also shipped in from outside points. The rise of White Killarney has been rapid and this magnificent rose has taken its place as the leading white variety. It hurt the sale of Bride, even when that grand old rose was at its best earlier in the year, and now it is making inroads on Kaiserin. The flowers now being shown in the principal retail stores are splendid. On the wholesale market they are tight, of course, as they should be, but a couple of days or less in the ice box opens them up slowly and they command admiration from all. Bride and Maid may be going out. Even those most in favor of these grand old varieties must admit they are on the wane; but at all events they will die game. We have had superb flowers of both recently and the more particular buyers still want them. Although it sounds like heresy to say so, Killarney leaves a lot to be desired and the very fact of its being before the public all the year around causes a tired feeling to the eye. My Maryland has been in good shape. It is a fine rose, and its only fault is its somewhat soft nature. Mrs. Jardine is rising in favor owing to its splendid shipping qualities and the fine substance of the flowers. Field has been coming in freely all through the month but our opinion of it has not altered in the least. It is a warm weather rose and good for making up; it is pretty when open, dull and uninteresting in the bud, and can never be a first rate variety though it has its uses. There is only one red rose for general use. With all its faults and shortcomings Richmond has that honor and it has been well shown and in quantity all through the month. Chatenay, Kaiserin, Cardinal, Perle and Sunrise have all been more or less in favor, and Uncle John, a rose that is not grown as much as it ought to be, has been in fine shape right through.





SHIP AS DINNER TABLE DECORATION—BY THE METAIRIE RIDGE NURSERY CO., NEW ORLEANS, LA.

Carnations, one and all, were good, much better than usual for the month, and were in fair supply. The gluts of April were not repeated and there was a good steady demand for all the best colors. White has been on the scarce side right along, especially in the better qualities. Orchids, thanks to the arrival on the scene of the ever-popular Cattleya Mossiae, have been plentiful and it is gratifying to us to note that our oft-repeated advice to local growers to leave their flowers on the plants to develop properly is bearing fruit. A cattleya is not like a rose or a carnation and does not develop its full beauty if cut early. The development has to be on the plant. C. gigas appeared in May in fine shape. Gardenias were plentiful and in most cases good, but many growers still persist in packing these flowers in cotton wadding, the worst material possible. It is the cause of more browning of the petals of these flowers than any other item of mismanagement. Gladioli in the light and dark shades have been quite a factor and are still decidedly good. They make a brave show in these larger varieties while the smaller Childsi varieties are pretty and effective.

BOSTON, MASS.—The Rosemere Conservatories, 28 King street, Dorchester, are now under the management of W. L. Tomlinson.

SPOKANE, WASH.—Miss Margaret Armstrong is the subject of the initial number in a series of articles on "Successful Business Women of Spokane" now running in the Spokesman-Review of that city. The article occupies about two columns of space and gives a history of her business from its small start 17 years ago up to the present time. Commenting on the growth of her enterprise, it says: "Today Miss Armstrong rents an entire store at 807 Riverside. She employs a force of 12 to 14 and two florists and decorators."

## THE ROSE.

WHITE KILLARNEY is a better grower and more easily propagated than the pink type.

WHERE young stock is growing closely together on the benches spray only moderately or an attack of mildew may be caused.

KAISERIN needs very careful handling. Although there is ample substance to the petals the flowers are easily bruised in transit.

MRS. MARSHALL FIELD is one of the finest pink roses for making up in summer work. It will not thrive on its own roots, but grows freely when grafted on manetti.

### Preparations for Planting.

In order to have everything in readiness for the indoor planting one should start in time as there may be considerable repairs needed, and it all takes time, especially where there is any concreting to be done or new benches to be erected. Every rose house should be put in the best possible shape before bringing in the soil. After clearing out the old plants and removing the old soil the benches or beds should be washed off with the hose and, if the house contains raised wooden benches, all the old soil should be cleaned off, cleaning every crevice so that the lime wash will cover every part of the woodwork coming into contact with the soil. When slaking the lime, to every bushel of lime add several ounces of carbolic acid and about two pounds of flower of sulphur or powdered sulphur. These ingredients can be added when the lime is slaking. The acid and sulphur will help as a lumber preservative in conjunction with the lime as well as an insecticide. It is not essential to have the lime wash applied thickly; about the consistency of the regular

white wash will be just as efficient as if applied in a pasty form. In fact it will go into the wood to a greater depth in a thinner state.

After the houses have been thoroughly renovated above ground even to the painting (which should be done while easy access can be had) of the rafters, posts, etc., all the old soil that has fallen through the benches should be scooped out in the walks and every corner cleaned up nicely; if this is carefully attended to any of the new soil falling through the benches or in others ways spilled, can be cleaned up and used again. For drainage, we have found straw scattered over the cracks in a thin layer about the best material to prevent the soil from sifting through the cracks. The compost should have been turned several time by planting time—insuring perfect mixing, and should never be handled while wet; that is, do not plant in wet soil. If, owing to wet weather, the soil should not be in a good planting condition and to avoid delay in planting it should be carried into the houses and left as it is dumped from the hand or wheelbarrows. If left in this loose condition and with full air on the house, it will soon become dry enough to crumble nicely by hand, and until it reaches this condition it will be poor judgment to start planting.

A few words in reference to the young stock. If this needs shifting, and preparations for planting may take a couple of weeks, shift by all means. Do not let the plants become potbound and remain so for any length of time. Many a fine lot of plants have been practically spoiled by starving them in pots. If they are in 3½-inch they can be knocked out, trimmed up a little and repotted into 4-inch pots, using soil finely screened and quite rich. They can be kept going for two or three weeks longer in fine condition. See to it that the



young stock is watered evenly and allowed plenty of room and keep the buds cut off, not merely snipping off the bud, but taking the growth back a joint or two to a good eye. Directions for planting, staking, etc., will be given in future articles. E.

### Rose Wood Damaged.

ED. AMERICAN FLORIST:—

In separate package I enclose some rose branches that have been stung with some insect which finally destroys the whole plant. Can you give me the cause and remedy?

S. A. C.

The rose wood enclosed was old and nearly dead, with a few struggling new shoots. The latter had some thrips upon them, but these would not cause the wood to die. The thing appears to us like a case of malnutrition, probably owing to the roots being in an unsuitable soil. The dark marks may have been caused by some external damage, but they are too old to determine what, possibly hail last year. G.

LONDON, O.—E. J. Gould has completed his new building on Main street. It is of concrete and will be used as a salesroom.

MUSKOGEE, OKLA.—The new greenhouse in Hyde Park was finished May 25. W. H. Mitchell, formerly of Shaw's Garden, St. Louis, is in charge.

RICHMOND, IND.—Owing to increased business the E. G. Hill Co. has taken a five-year lease on the Graves greenhouse. The new house will be devoted to carnations exclusively.

## THE GLADIOLUS.

### Gladiolus Sources

ED. AMERICAN FLORIST:

From what European source can the best bulbs, largest and healthiest, of gladiolus of the Colvilli type be secured? GROWER.

### Gladiolus Primulinus.

Though introduced to cultivation some years ago, this plant does not seem to be at all common; indeed, until this spring one might have searched in vain for it in the catalogues of bulb merchants in this country, and, though it is to be found in the pages of one of the continental lists, it is priced at the extravagant sum of 10 francs, on which basis the corm is well on the way to being rated at its weight in gold. The apparent dearth of corms is not easily explained, because, while most of the gladioli reproduce themselves prolifically none is more prolific than *G. primulinus*.

A careful record of 18 bulbs received from M. Leichtlin, and planted in the late spring of 1907, shows that, when lifted in the autumn of the same year, they had produced 94 offsets, 28 of which flowered the following year; by November 9, 1909, or two seasons later, the descendants of the original 18 bulbs numbered no fewer than 182 of flowering size, to say nothing of 151 smaller offsets, and quantities of seedling corms. The plant ripens seed freely, even in such a cheerless summer as that of last year, and the seed germinates in

gentle heat. Offsets frequently flower the season after they are produced, bearing in turn a quantity of spawn, and, in congenial surroundings, the latter attains full size in three years' time.

An unusual feature is the stoloniferous character of the offsets. In this genus the spawn is generally found nestling directly under the base of the parent corm; but, with *G. primulinus*, this is not so, each offset being produced at the end of a white, string-like, creeping stem, an inch or more in length, springing from the base and sides of the corm. These stems are thickly twisted about the corm.

Culture seems to present no difficulties; in fact, it could not well be more simple. A light, free soil, thoroughly well drained, plenty of sun and warmth, with ample moisture seem to make up the sum of the plant's requirements. The provision of moisture to the roots is of importance, as well it may be, since the plant is at home around the Victoria falls, where eye-witnesses report it as growing in perennial mists; hence, no doubt, the very pronounced hooded shape of the blooms. It was noticed that, during the summer, the number of offsets produced was less than in the summer before, and this may be put down to the want of sun and warmth.

As was no doubt to be expected, the plant had not been in cultivation long before it occurred to somebody to "improve" it, and now hybrids of *G. primulinus* are offered in various directions, though the species itself is not. So far, none of these hybrids compares with the typical plant, which has a charm all its own, thanks, no



GROFF'S HYBRID GLADIOLI, 1904.





Gladiolus Ellington Belle, 1905.

doubt, to its lovely color, and whilst, perhaps, it can hardly be said to be beautiful, it strikes one at once, like many species of plants, as being essentially well bred.—Gardeners' Chronicle.

#### Gladiolus Bulb Disease.

It is well known to dealers and florists who keep these bulbs over winter in storage that there are frequently scabby looking spots, which appear on the sides or bottoms of the bulbs, and which continue to enlarge and often involve one third or more of the bulb and practically destroy it.

We have tried a solution of one part of formaldehyde to five parts of water on such diseased bulbs, using it in two different ways. First the diseased parts and spots were brushed with a solution; second, the whole bulb was soaked in it for about two minutes. Twelve bulbs of each lot were tried and were planted in the greenhouse with a result, so far, rather more favorable to those dipped than to the others.

The effect on the disease by the use of the solution shows immediately; the spots on the bulbs which are beginning their growth are soft so they may easily be scraped off; they become

hardened and the growth of the same is checked. The soaking of the bulbs is recommended as the quickest and surest treatment. It may be well to use this treatment as a preventive, soaking the bulbs at planting time in the spring.

COLLECTOR.

#### The Gladiolus of Fifty Years Ago.

A paper read by H. Youell, Syracuse, N. Y., at the initial meeting of the American Gladiolus Society, at Boston, May 27, 1910.

When Mr. Fuld asked me to contribute a paper for the initial meeting of the Gladiolus Society, I gladly consented, as I feel greatly interested in the success of the society. This arises from the fact that 50 years ago my father was the largest grower of gladioli in England, and I am proud of the fact that Brenchleyensis was disseminated by him.

It may be interesting to many if I recall, as they occurred, some of the facts relating to the early history of the Gandavensis varieties 50 years ago. It is generally known that the gladiolus family is indigenous to Africa, and I know positively that Gandavensis originated there, being found by a French sailor and taken by him to Paris. It is to Frenchmen we are indebted for the great progress made 50 years ago, for they laid the foundation, so to speak, that we have built upon and made possible the grand flowers we have today.

It may not be generally known that Napoleon the third was passionately fond of rare plants and flowers, and it is owing to his interest and enthusiasm that France today holds her position in the floral world. So eager was the emperor to add to his collection of rare plants, that he offered large bounties to his soldiers, sailors and fishermen, or to travelers who would bring him any good novelties from foreign countries. So it came about that G. Gandavensis was taken to Paris and placed in the hands of Mr. Souchet, the head gardener of the emperor, and through his industry and ability came the beautiful varieties.

I take it there are not many who can recall the old Gandavensis with its broad, yellow, poorly shaped flowers with a crimson edge, but what a beautiful and wonderful flower it was considered when first sent out, for the Colvilli varieties were the only ones grown and were called Jacob's ladders in my childhood days.

Bowensis was the next one to make its appearance. This was a dirty brick red, but was a good shaped flower with large spikes. Fanny Rouget followed; this was a very pleasing pink, but only a medium sized flower. It was about 1855 or 1856 that these made their appearance, and in 1857 the English people heard of the wonderful flowers to be seen in the French royal gardens. In August of that year, Queen Victoria, with the Prince Consort and a very large retinue paid a visit to Napoleon. At that time the gardens were a blaze of glory with their many colored flowers and the queen and all her court were completely carried away with the sight and returned to England with wonderful stories of what they had seen. The queen was so delighted and enchanted that the emperor ordered Mr.

Souchet to send her a large supply of bulbs, and so generously was the order obeyed, that the head gardener at Osborne could not find room for all, and rather than throw them away, he gave the surplus stock to my father, who was a personal friend. This was the nucleus of what eventually became the largest collection in England 50 years ago.

Soon after the queen's visit to France came what was considered the wonder of the age in the floral world, for Mr. Souchet through Victor Verdier and Messrs. Vilmorin sent out quite a number of very beautiful varieties, some of which I believe are still grown in England. The names of a few I recall are John Bull, Victor Verdier, Napoleon Third, Queen Victoria, Calypso, Duc de Malakoff, Dr. Andry, Ceres, Endymion and La Reine.

I may be excused for feeling proud of the fact that my father dissemi-



Gladiolus Princeps Hybrid, 1907.



nated the following year, that grand old Brenchleyensis, still the acknowledged leader of its class. Its origin is a mystery. How it came into my father's possession is as follows: Some years previously he had in his employ W. Casey, foreman of the hard wooded department, and traveling occasionally. He was later connected with Hugh Low & Co. On one of his journeys through Kent, he visited a small place called Brenchley. In a cottager's garden he noticed several flowers of this variety and after a great deal of persuasion and what must have been a large sum to the owner (£25, roughly \$125), he secured the stock. All the information he could gather as to its origin was that a son who was a sailor had brought the bulbs home from some foreign country—Africa, it was believed at the time. How popular Brenchleyensis became is best attested by the fact that from 1860 to 1864 our sales averaged 300,000 yearly.

Our nurseries were situated at Great Yarmouth (made famous by Charles Dickens in David Copperfield), and less than 2,000 years ago the North sea flowed where the town now stands, so of course the soil was very sandy, and to that fact I attribute our success in cultivating the bulbs. The only thing used to enrich the soil was rotten brewers' hops, and disease was a thing unknown to us.

I have always been and am still a very strong advocate of printer's ink and flower shows, both for educational and commercial purposes, and believe my past experience justifies me, as I shall show. Prior to 1860 we had sent large quantities of gladiolus blooms to the Crystal Palace for decorative purposes, free, and were assured that they were much finer than any exhibited for prizes. After much persuasion, my father consented to compete and had several large beds prepared and planted with the choicest kinds, to be raised for exhibition.

The amount of the prizes was very small, for the best collection, \$12; best 24 spikes, \$5; best 12 spikes, \$2.50; not much of an inducement for three men to travel 140 miles, pay excess luggage and hotel bills for three days, and compete against such men as Standish, Turner, Paul, Cutbush and others. We went and conquered, not only the prizes, but all the London papers from the Times down; they gave us columns of the best possible advertising, and that was not all, for the two foremen and myself booked orders the first day for more than £300, besides distributing 5,000 catalogues in the two days. Did it pay?

The method in vogue at that time for staging the flowers was to have green painted boards, 3 feet 6 inches long by 2 feet 6 inches wide; each board had 24 holes fitted with tin tubes to hold the water. Our boards sloped on an angle of 45°, which showed off the back row. We showed three spikes of each variety together with a little foliage mixed in. Some exhibitors used garden asparagus, others fern fronds, but I must say the effect of using the gladiolus foliage was by far the neatest and most appropriate. The London Times, speaking of our exhibit, said: "The flowers showed the highest cultivation and

their staging was a finished and artistic piece of work and a revelation." Certain it is that our flowers were better colored and had far more substance than those grown around London or even in France, which I attribute to the salt air and our sandy soil.

Before concluding this paper, I trust I shall be pardoned if I make a few statements relative to that beautiful old flower, the fuchsia. There are very few today who can recall the old style, the flowers of which were very small, the tube not larger round than a lead pencil. It was in 1838 that my father sent out the first one of the present type and he named it Youelli. On introducing myself, some years ago, to the late W. Harris for a long time in charge of H. H. Hunnewell's es-



H. Youell, Syracuse, N. Y.

tate at Wellesley, Mass., he recalled the fact that the first fuchsia sent out, as we know it today, was known as Youelli. In 1856 we sent out the first striped one, Lord Clive, and in 1858 the first double one, Sir Colin Campbell. I might go on indefinitely with recollections of the business in my early days, but do not wish to exhaust your patience, and in closing, beg to thank you for the privilege of addressing you on this subject.

#### A Relic of the Beagle.

Amongst other interesting relics displayed by the Japan Society at the Japan-British exhibition, is a piece of H. M. S. Beagle, in which Charles Darwin made his celebrated voyage, and which was afterwards purchased by the Japanese navy and renamed Kenke Kwan. It was on this ship that many of Japan's most distinguished naval officers received their early training. The painting on this relic is a copy of a picture of the Beagle and the signatures are those of Baron Admiral Saite, the Japanese naval minister, and Admiral Togo.—Gardeners' Chronicle.

## CHRYSANTHEMUMS

### Chrysanthemums in the South.

#### OUTDOOR CULTURE.

The growing of chrysanthemums in the open ground is in the main satisfactory and much less laborious than growing them under glass. The piece of ground selected should be well exposed and high enough to drain well after heavy rains. After applying a good coating of cow manure the ground should be dug deeply at least twice. Beds four feet wide with a walk of 18 inches or two feet between them are generally accepted as the easiest to work. The walks are dug out and thrown on the middle of the beds, giving them a slope on each side, and providing a quick outlet for the rainfall. More chrysanthemums are ruined every year for want of this precaution than from any other cause. After working in a good dressing of bone meal with a rake, the beds are ready for planting.

The young plants should be well watered an hour or so before setting out; one foot apart between the rows is the standard distance, and if only one flower is desired nine inches between the plants is sufficient. If each plant has to carry three flowers, one foot apart each way is about right. If the ground is dry leave a hollow around each plant so that the bed can be thoroughly watered. It is not necessary to syringe the plants every day, but during a dry spell the beds should have frequent soakings. All weeds must be kept down and the surface of the beds worked occasionally to keep in good growing condition. The best method of tying is to use a stake to each plant tied to an overhead wire. July and August are generally very trying to the plants. Thunderstorms are frequent and the hot sun immediately following wilts the plants badly. The best remedy for this is not to syringe but to stir up the surface of the soil as soon as it can be worked.

About September 1 is the proper time to take the bud on most varieties. The flower from a bud taken earlier rarely develops into anything salable, especially in the extreme south, hence very early varieties are not worth growing. If the ground has been properly enriched at planting time very little more fertilizer is needed, but a topdressing of vegetable fertilizer, dried blood or tankage applied after the bud is taken will increase the size and help the finish of the flower. As soon as the flowers show the first sign of color it is time to cover the beds. A light skeleton frame is raised over the beds and covered either with sash or clean cotton cloth. This protects the flowers from the heavy dews and gives them a finish but little inferior to those grown entirely under glass.

A few tobacco stems in the walks hung around on the wires after the cover is on will minimize the danger of an attack from thrips. Greenfly is never troublesome under the open air culture but occasionally the corythuca does quite a lot of damage before its presence is discovered. This attacks the under side of the leaves and is hard to reach. Coal oil emul-



sion, one part to 20 parts of water, applied with syringe to the under sides of the leaves will quickly get rid of it. November is apt to be rather wet, especially the latter half of it, therefore it is a little risky to grow late varieties unless glass is used as a covering. Wm. H. Robinson is grown most extensively as it is an easy doer and a sure one for All Saints' day. Other good varieties are C. Holst, Wm. Bassett, Monrovia, Col. Appleton, Roi d'Italie, C. Touse, Dr. Enguehard, Golden Wedding, Silver Wedding, White and Yellow Eaton and White and Golden Chadwick. The pink varieties are not much to be relied on, the color coming very much faded and running out quickly. Deep and frequent spadings of the ground before planting time and ample drainage facilities are the two most important points in outdoor culture. With these two points properly attended to anyone with a little cultural skill can reasonably expect to raise a crop of chrysanthemums.

WM LEAR.

#### Notes in Season.

Those who anticipate a good grade of blooms have no time to lose in making preparations for planting. Those intended for extra early should have been in the benches by May 26. It is erroneous to suppose the early varieties will produce blooms when planted later. It is not long to July 20, the time for retaining the first buds, and the plants will require all this time to acquire sufficient height and vigor to produce prime stock. The midseason kinds should be planted within the next few days. To the florist growing general stock this means that houses containing bedding stock must be made ready as fast as they are emptied. It really pays to put on extra help to clean out, repair and refill the benches rather than defer it until the bedding season is over.

The plants respond more quickly when new compost is used, although old soil from carnation and rose benches will give very good flowers if it has been piled outdoors one winter with the addition of one-quarter its bulk of well rotted manure. The chrysanthemum takes kindly to almost any kind of soil, provided it is porous enough to allow the surplus water to pass off freely. This matter is of importance when old soil is used and often requires the addition of sand or coal ashes (especially if it is stiff clay) to increase the porosity, inasmuch as the fiber or half decomposed sods abundant in new soil are wanting.

If the benches can be made ready at the proper time we would prefer small thrifty plants from 2¼-inch pots for benching. The accompanying illustration shows a plant suitable for the purpose. They may be shorter or taller than the one shown. They may be from one to 12 inches in height provided they have strong roots and the wood has not hardened from the want of water. A medium sized plant three to four inches high is easier to handle and plant, giving just as good results to the commer-



CHRYSANTHEMUM READY FOR PLANTING—NATURAL SIZE.

cial grower as those which have been previously shifted to 3 or 4-inch. The slight difference in quality will not compensate for the extra labor involved. If the grower has selected such sorts as F. S. Vallis, Yellow Miller, Miriam Hankey, Wm. Duckham, Lady Hopetoun, Cheltoni, etc., with the expectation of producing a good grade of blooms to be disposed of through the commercial channels, an entirely different condition prevails. None of these will be of any account unless August buds are secured, and for this reason should be strong plants from 3 or 4-inch pots for May planting or planted from 2-inch in April. March struck cuttings are necessary for these kinds. Crocus, Appleton, Helen Frick, Gloria, Mlle. Jeanne Rosette, Nagoya, etc., are more preferable for the average grower.

They may be propagated two months later and planted from the end of May to early July and produce perfectly double flowers from buds selected during September. They will not produce as large blooms as those in the first list when properly

grown, but on the other hand there are few growers that can afford space to such stock the two additional months for the advantages gained by the extra size. In other words, such kinds as are usually exhibited in collections by reason of their large size require a long period of growth and early bud to bring them to perfection; otherwise the blooms will all show the open center.

The second list can be grown in less time and a few days' difference in selecting the buds has little or no effect upon the result. It is up to those interested to decide such problems by considering the demand and price various grades will bring, in comparison with the time and labor required to produce them. We certainly have no objections to converting the so-called exhibition sorts to commercial use provided the grower is satisfied with the results, but it is certain such a course is impracticable with the average grower, and for this reason we do not think them worthy of much consideration. Kinds that produce good salable stock irrespective of date of planting or taking the



buds are most popular with florists who are scrutinizing closer each year to secure those possessing such qualities.

The space to allow each plant on the bench depends on the size of the foliage, date of planting and the quality of blooms desired. If fine specimens with perfect foliage are required 10 to 12 inches each way will be none too far to space those with average sized leaves, and this may be reduced to as low as six inches where the object is small to medium blooms. When a sufficient quantity of plants are at hand some of the small leaved sorts like Ivory may be planted two plants together. This is a very good system to adopt by those who grow two flowers to the plant, as it will give somewhat longer stems than where a single plant is stopped to make the two growths. A bench 4x100 feet will accommodate 1,600 Ivory planted six inches each way, or 1,800 with two plants to the hill at eight inches each way. When two plants are used, it is advantageous to tie each one separately to the string or stake, as the case may be, so that the blooms which mature first can be removed without unfastening or disarranging those still undeveloped.

The grower who consigns his cut or sells direct to the retailer is confronted with the problem of what kinds to plant. This is not only confined to what portion of the crop should be early, midseason and late but the varieties to constitute this array. A variety little known on the market often sells to advantage, while the Bonnaffons, Ivories, etc., will not move in proportion to the quantity grown. Those in this situation are obliged to figure out their own salvation, for advice is of little avail further than the merits of the varieties under consideration, are concerned. Those who retail their own crop are somewhat blessed from the fact that usually their regular trade consume the crop, so that the chief object to consider is the quantity to grow and have them extend over the entire season or as long a season as the demand for chrysanthemums will warrant.

ELMER D. SMITH.

#### Wood Ashes.

Following a table giving the various chemical constituents of wood ashes from different localities the thirty-fifth annual report of the Ontario Agricultural College and Experiment Farm says: "From the above figures it will be seen that wood ashes are an important fertilizer, and particularly so as a supplier of potash, which exists in a soluble form and is, therefore, readily available to plants. The amount of potash varies from about 1.29 to as high as 5.14 per cent. They also contain a fair amount of phosphoric acid, and are, of course, very rich in lime, and therefore make a good fertilizer to apply to acid soils. Farmers would do well to apply their wood ashes to their own land rather than selling them to buyers from the United States, as is being largely done at present. A number of samples of garbage ash have also been examined. In addition to supplying potash and phosphoric acid, they also contain some nitrogen."

#### Cattleya Mossiae.

We need say nothing by way of introduction of this fine cattleya. It is perhaps the best of all the labiata section and the most generally grown, the most beautiful and the most variable cattleya in existence. There are probably more plants of this orchid grown in America at the present time than of any other species and it is the most generally useful of all. *C. Mossiae* takes longer to get down to business in spring than most other cattleyas but when it does start it goes ahead and it is not at all unusual for it to flower, grow and flower again and then make up a good growth in autumn to carry the flowers in sheath over winter. This habit of flowering twice in a season makes it a most profitable species for the cut flower grower who is looking for quantity of flowers and although the old fashioned orchid growers predicted all kinds of trouble for the plants that do not keep to a regular routine of growth, flowering and rest, we could never see that the plants that flower twice a year were any less healthy than those which only flowered once. One thing necessary is plenty of warmth and sunlight in late summer and fall to insure the late formed bulbs being thoroughly matured and any plants with their bulbs in at all an unfinished state must not be over dried during the winter.

*C. M. Reineckiana*, the white sepalated form of this species illustrated herewith, has long been in cultivation and a fine plant of it was exhibited at the recent orchid exhibition in Boston by J. T. Butterworth, Framingham, Mass. This form has the anterior lobe of the lip streaked with purple as in *C. Mossiae* generally. Conse-

quently, although a beautiful variety, it cannot compare with *C. Mossiae* Wageri which has no purple in it at all, simply a yellow stain on the lip and is probably the most beautiful albino cattleya in existence.

## WITH THE GROWERS

### The Julius Roehrs Co., Rutherford, N. J.

It is unnecessary to elaborate on the nation-wide reputation of the Julius Roehrs Co. For many years this concern has been noted for the fine quality of flowering and foliage plants which it grows. At present, among many other notable features, are the orchids. In an experience covering the past quarter of a century, we have never seen such a fine display of orchids in all the well known commercial varieties as were found on a recent visit to this range. Alone, they would comfortably fill the average exhibition hall and if they reach Boston in good shape, we expect to hear from them. While the orchids may be classed as magnificent, there are many other features of the range that are noteworthy. In crotons, fancy leaved caladiums, marantas, *Ficus pandurata*, cibotiums and other ferns, they are in the front rank of the growers of this country, if not of the world. They are noted for the splendid specimens of *Begonia Gloire de Lorraine* which they send out at Christmas. At the present time a force of men are kept busy preparing thousands of these young plants for shipment, this branch of the business having grown enormously in the past few years. The rose, Newport Fairy, may be seen in fine condition, grown



CATTLEYA MOSSIAE.



both as a standard and bush plant. There is also a variety of other good pot roses. One of the noteworthy features of the place is the large area devoted to *Adiantum Farleyense*, which is grown to perfection. The palms, bay and box trees are always striking features, in fact a tour of the range is a succession of the most interesting things in horticulture. The range is less than one-half hour's ride from New York and visitors to the metropolis who are horticulturally inclined will find themselves well repaid for taking a run out to Rutherford.

#### Salter Bros., Rochester, N. Y.

Salter Bros. have two large divisions in their business; the home establishment on Park avenue, and the other in Fairport, 10 miles east of Rochester. They commenced the development of the Fairport branch about 15 years since and they now have a glass area in this place of 30,000 square feet. They make a specialty of carnations, handling 35,000 plants. Amongst the white varieties Richard Salter says they find Queen Louise and White Enchantress two of the best. Enchantress, in its light and deep pink forms, is their most important pink carnation. They grow a considerable number of Winsor but find it has a tendency to burst its calyx. Beacon is an important red with them, and they grow a large number of Lawson. A considerable number of other varieties are grown, but those mentioned are the most important.

A number of years since Salter Bros. used to grow roses extensively but they have now practically given them up. Richard Salter says there is too little sunshine in winter in the Genesee valley to make rose growing financially successful. About 35,000 chrysanthemums are grown in benches, and they are now busy planting them out. This firm is the only one in this part of the country to make violet growing a success. The only variety grown is the single California (Madame E. Arene). A narrow low house, 200 feet long, is devoted to it, and Richard Salter says they find it commercially successful. Amongst other things grown for cutting are sweet peas, asparagus in different species, smilax, etc. They grow an immense number of the standard bedding plants and annuals.

One of the greenhouses was erected by the King Construction Co. about five years since and is 34x200 feet, with a furrow in the center. Richard Salter says it is a style of greenhouse construction which appeals to him very much. This system is heated by hot water. The acreage of the Fairport branch is 17 acres, and it slopes gently to the southwest. The soil is light, rich loam, and is excellent for the growing of stock. Outside they grow the most popular perennials and large quantities of sweet peas and asters for the cut flower trade. All of the carnations are grown on this ground, and shrubs are grown for forcing.

At the home establishment on Park avenue there is about 20,000 feet of glass, and the ground area is about one and a half acres. They acquired



CATTELEYA MOSSIAE REINECKIANA.

this property about 20 years since, and it is now almost in the center of the best residential part of Rochester, where real estate is highly valuable. It would not be profitable to hold it for florist purposes, if it were not largely occupied with greenhouses. Palms, ferns, dracenas, aspidistras and bedding plants are grown here in large quantities. Carnations and chrysanthemums are also grown in the benches. A limited number of orchids are grown, and *Cattleya Trianae* is the most important one. The white variety of *Swainsona galegifolia* is grown very successfully, and is remarkably useful for cut flower purposes. A number of bouvardias are grown, and Richard Salter says they may perhaps start to grow them more extensively. Hardy shrubs, such as lilacs, *Prunus triloba*, wistarias, spireas and deutzias are forced extensively. This system is heated by two Woodbury steam boilers which can be worked independently of each other. This boiler is not now in the market.

The firm conducts two retail stores, one on West Main street and the other on East Main street. The large store on East Main street is always kept very attractive, and very tasteful displays of cut flowers and greenhouse plants are always shown in the windows. They conduct an im-

portant business in vegetable and flower seeds.

The firm consists of the two brothers, Richard G. and Albion H. Salter. Many years since, the two brothers assisted in the well-known seed business of James Vick, later known as James Vick's Sons, and which largely aided them in business ability to build up the fine establishment they have now. Their father, Richard Salter, who died a few years since, was born in Devonshire, England, and came to this country by way of Canada in 1866. He was a gardener of the old school, and had charge of the Whitney estate in this city for a number of years. The firm of Salter Bros. holds a very honorable reputation in this city, and in social life the brothers are highly esteemed.

JOHN DUNBAR.

AKRON, O.—Work was started by O. C. Akron, the millionaire match manufacturer, on his model farm recently, which will result in the immediate construction of 11 greenhouses each 30x156 feet. It is Mr. Barber's plan to have between 50 and 60 acres under glass when the structures are complete. The houses will differ largely from the greenhouses common in this locality and will be of decidedly improved types. Fruits, vegetables and plants will be grown.



# THE AMERICAN FLORIST

1885 TWENTY-FIFTH YEAR 1910

Subscription, United States and Mexico \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

Eastern Representatives:

A. F. FAULKNER, 1133 Broadway, New York.  
ROBT. KIFT, 1725 Chestnut St., Philadelphia, Pa.

**THE AMERICAN FLORIST,**  
324 Dearborn St., CHICAGO

**THIS ISSUE 52 PAGES WITH COVER**

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The chrysanthemums figured on page 805 in our issue of May 21 were grown by Louis Buchner of New Orleans and not by Robt. Lockerbie as there stated.

A MOST interesting paper on the early varieties of gladioli and their introduction to British gardens by H. Youell, Syracuse, N. Y., appears upon page 945. The information is especially opportune now on the threshold of the career of the new society which, while we may not be in perfect accord with increasing the number of societies indefinitely or of having societies for every flower grown, we heartily wish every success.

A TELEGRAPHIC report of the first day's proceedings at the convention of the American Association of Nurserymen appears in our "Nursery trade" columns, page 970, of this issue.

THE publication by Cornell University, Ithaca, N. Y., of the "Classification of the Peony" marks the third step in the progress made in clearing up the synonymy and other work with the peony undertaken jointly by the American Peony Society and the Department of Horticulture of the above university. It is a worthy follower to the "Check List" and "The Peony" from the pen of Dr. Coit, the present work being by Leon D. Batchelor who, since Dr. Coit's departure for California in 1908, has been in charge of the peony plots here. A very large number of varieties are described and the book should be written for by all who are in any way interested in the peony.

## Peony Society's Meeting Postponed.

Owing to the continued cool weather it has been found necessary to postpone the meeting of the American Peony Society to Tuesday and Wednesday, June 14-15.

A. H. FEWKES, Sec'y.

## Personal.

E. S. Miller, Wading River, N. Y., was seriously injured June 5. He was riding a bicycle and the forks broke, throwing him heavily to the ground. He was severely cut and bruised and will be confined to the house for some time.

## National Council of Horticulture.

The ninth installment of the press service of the National Council of Horticulture consists of practical articles on "Growing Watermelons," "Growing Celery" and "Chrysanthemums Out of Doors." These articles are free to nurserymen, seedsmen, local editors and others who can secure them by writing J. H. Burdett, 1620 W. 104th place, Chicago.

## Society of American Florists.

### REGISTRATION OF ROSE.

Public notice is hereby given that A. N. Pierson, Inc., of Cromwell, Conn., offers for registration the rose described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

### RAISER'S DESCRIPTION.

Red Killarney.—A sport of Killarney, originating with A. N. Pierson, Inc., in 1908. It is identical with Killarney except in color, which is much brighter, showing a strong tendency to red, some blooms having been as dark as Richmond, the average the entire year a shade lighter than Richmond.

H. B. DORNER, Sec'y.

June 2, 1910.

### THE TRADE EXHIBITION.

ED. AMERICAN FLORIST:—

I am sending a diagram of the space in Convention hall for the trade exhibition, and you will note that fully 60 to 70 per cent of the space is already reserved. There are a number

of large growers who will undoubtedly exhibit from whom I have not heard, but if all manufacturers, florists and florists' supply houses, contemplating exhibiting would kindly notify me at once, stating required number of square feet of space it will facilitate matters greatly.

The souvenir album on which the local committee are working will certainly be a work of art. We expect to have it out about July 1. It will contain 100 pages, with many original views of the streets, parks, private residences, public buildings, river and lake, also several interesting articles, as follows: "Rochester Florists," by Geo. B. Hart; "Rochester from the Nurseryman's Viewpoint," by William C. Barry; "The Seed Industry," by Charles W. Crosman; "Rochester Florists' Association," by Fred W. Vick; "Rochester," by the secretary of the chamber of commerce.

C. H. VICK, Sup't.

## American Rose Society.

### A NEW SPORT OF KILLARNEY.

The A. N. Pierson Co., Inc., Cromwell, Conn., filed with the American Rose Society notice of registration of a new sport of Killarney originating with them in 1908. It is identical with Killarney, excepting in color, which is much brighter, showing a strong tendency to red, some blooms having been as dark in color as those of Richmond and the average of the crop for the entire year of 1909 was only a shade lighter.

The question has been addressed to the secretary, whether the American Rose Society will have a June show, but up to this writing there has been no steps taken toward such an exhibition.

The Minnesota State Rose Society has applied for a bronze medal to be offered at its summer exhibition to the best exhibit by an amateur. The definition which the society gives of an amateur is "one who grows the plants himself or herself, but does not regularly employ a gardener to grow them, and one who does not grow or sell plants as a business." Last year the American Rose Society offered its bronze medal and this was awarded to Mrs. F. H. Gibbs, St. Paul, Minn. BENJAMIN HAMMOND, Sec'y.

## Meetings Next Week.

Baltimore, Md., June 13, 8 p. m.—Gardeners' and Florists' Club of Baltimore, St. Paul and Franklin streets.

Cleveland, O., June 13, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit avenue.

La Crosse, Wis., June 14.—La Crosse Gardeners' and Florists' Society, Hotel Stoddard.

Lake Geneva, Wis., June 18, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.

New Orleans, La., June 12, 2 p. m.—Gardeners' Mutual Protective Association, 118 Exchange alley.

New Orleans, La., June 16.—New Orleans Horticultural Society, Kolbs' hall, 127 St. Charles avenue.

Newport, R. I., June 15.—Newport Horticultural Society.

New York, N. Y., June 13, 7:30 p. m.—New York Florists' Club, Grand Opera House building.

Pasadena, Calif., June 17, 8 p. m.—Pasadena Gardeners' Association, Board of Trade rooms, West Colorado street.

Rochester, N. Y., June 13, 8 p. m.—Commercial Florists' Association of Rochester, 416 Cutler building.

Scranton, Pa., June 17, 7:30 p. m.—Scranton Florists' Club, Guernsey building.

Springfield, O., June 13.—Springfield Florists' Club, office of the Good & Reese Co.



**Bulletins Recently Issued.**

By the Department of Agriculture, Washington, D. C. "New Methods of Plant Breeding," by Geo. W. Oliver.  
 "The Clover Root Curculio," by V. L. Wildermuth.  
 "The Slender Seed-Corn Ground-Beetle," by W. J. Phillips.  
 "The Larger Corn Stalk-Borer," by George G. Ainslie.  
 "Use of Commercial Fertilizers in the South Atlantic States," by J. C. Beavers.  
 "Method of Legume Inoculation," by Karl F. Kellerman.  
 "A More Profitable Corn-Planting Method," by C. P. Hartley.  
 By the Vermont Experiment Station, Burlington, "Vermont Shrubs and Woody Vines," by L. R. Jones and F. V. Root.  
 "The Bacterial Soft Rot of Certain Vegetables," by H. A. Harding and W. J. Morse.  
 "A Bacterial Soft Rot of Muskmelon," by N. J. Giddings.  
 "A Practical Method of Killing Witch Grass."

**Wants, For Sale, Etc****One Cent Per Word, Cash with Adv.**

**For Plant Advs., See Ready Reference Section.**  
 Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

**Situation Wanted**—By experienced seedman; steady position. Key 128, care American Florist.

**Situation Wanted**—As florist; thoroughly experienced and capable of taking charge. Key 125, care American Florist.

**Situation Wanted**—By good grower of carnations and 'mums; single, German; strictly sober and a hustler. Address Key 133, care American Florist.

**Situation Wanted**—By sober young man, 24; experienced in roses, carnations etc.; capable of taking charge of section or commercial place; north-west preferred; kindly state wages. Key 597, care American Florist.

**Situation Wanted**—By Englishman, single, age 27; 11 years private and commercial greenhouse experience; well versed in growing pot plants, 'mums, roses, carnations, etc. Must be first-class place. Address FLORIST, 279 LeMay Ave., Detroit, Mich.

**Situation Wanted**—By competent grower of roses, carnations, 'mums and general bedding stock; good propagator and designer; have been in charge of retail commercial places and am strictly sober, honest and active; single, age 25; give full particulars in first letter. Key 127, care American Florist.

**Help Wanted**—Rose growers to work under foreman Apply WIETOR BROS., 51 Wabash Ave., Chicago.

**Help Wanted**—For greenhouse work; three or four good potters. Apply to BASSETT & WASHBURN, Hinsdale, Ill.

**Help Wanted**—A rose grower to work in rose sections; state wages without board. COLE BROS., Peoria, Ill.

**Help Wanted**—A reliable all-around greenhouse man, \$35 per month and board. Address H. KADEN, Gainesville, Texas.

**Help Wanted**—Single young man who can take care of college greenhouses in west; a reasonable salary with rooms. Key 996, care American Florist.

**Help Wanted**—A good sober and reliable florist at once; one who is not afraid of work in a small retail place; good wages to right party; reference. MRS. KING & CO., Ottawa Ill.

**Help Wanted**—A good man to grow 'mums, roses, carnations and potted plants for retail store good wages to the right man. Apply to GREENVILLE FLORAL CO., Greenville, Mich.

**Help Wanted**—Greenhouse engineer for steam fitting and light boiler repairs; wages, \$14 per week; steady employment; married man preferred. Key 129, care American Florist.

**Help Wanted**—Two nurserymen who are honest and industrious; wages \$2.50 per day; steady employment and advancement if satisfactory. DEVILS LAKE NURSERY, Devils Lake, N. Dak.

**Help Wanted**—At once; a good all-round greenhouse man to grow stock for retail catalogue place; a good propagator, not afraid of work, sober and reliable; state wages nationality, married or single and reference in first letter. J. E. JACKSON, Gainesville, Ga.

**Help Wanted**—A young married man to work as second under manager in greenhouses; one who has had a number of years experience, especially in growing roses for cut flowers and also who has had some experience in growing orchids; give references and write WRIGHT'S FLOWER SHOP, 224 W. 4th St., Los Angeles, Calif.

**Help Wanted**—Thoroughly experienced man must be reliable, sober and industrious; capable to take full charge of wholesale and retail establishment of 30,000 feet of glass newly rebuilt this year; must understand growing cut flowers and Christmas and Easter pot specialties; some capital required to take interest in the business; send copies of references, state age and wages wanted with inquiry. G. M. NAUMANN & SON, 1633 E. 105th St., Cleveland Ohio.

**Wanted to Rent**—Greenhouse property by next October or November. Key 999, care American Florist.

**Wanted to Rent**—With privilege of buying a small retail greenhouse business; give full particulars in first letter. Key 132, Care American Florist.

**For Sale or Rent**—40,000 square feet of glass, in good location; needs partial rebuilding; rent accordingly, or will sell at reasonable price. Key 460, care American Florist.

**For Sale or Rent**—I have as good a florist business as there is in the country for the size; good eight-room house; three greenhouses; 3½ lots, 50 by 135. I got \$1,500 for my work last year, clear from all expenses, and it is better every year. Will sell or rent to right man; small payment down, balance on time. Box 644, Durand, Mich.

**For Sale**—80-acre farm, 17 miles from Chicago, five blocks from station, sidewalk out to farm, switch track, good soil. Ideal location for greenhouses. Address FRANCIS A. BECKER, Des Plaines, Ill.

**For Sale**—We are changing our heating system from hot water to steam, and offer for sale 3,500 feet of 4-in. cast iron pipe, taken apart mostly in 20-ft. lengths, in good condition, at 7c per foot; KRING BROS., Fairbury, Ill.

**For Sale**—Sunnyside Greenhouses, one of the best florist businesses in Michigan; 22,000 ft. of glass, 6 acres of land; if you have the capital it's a money maker; city of 10,000, with best shipping facilities. Address JNO. S. SCHLEIDER, Owosso, Mich.

**WANTED.**

**Seedsmen capable of earning \$1000 per year.** State fully your experience in seed business. Address Key 494, care American Florist.

**WANTED**

**Manager for Seed Store.** Must know the business; be a good executive; energetic and a hustler. Address with references.

Key 126, care American Florist.

**WANTED**

Rose growers; men capable and experienced in growing American Beauties in sections; good wages and desirable positions.

HELLER BROS., New Castle, Ind.

**WANTED**

Young man with thorough ornamental nursery stock training. Splendid opening for right party. Must furnish the best of recommendation. Address

Elm City Nursery Co., New Haven, Conn.

**French Grower**

would accept representation of a big American seed house to grow for it, also to inspect all sorts of seeds and buying same in the growing districts in France

Key 990, care American Florist.

**ORCHID GROWER.**

Advertiser needs and will pay good salary to a thoroughly competent grower of orchids on an extensive scale in a commercial establishment. Location California. Address with full particulars

Key 998, care American Florist.

**Situation Wanted.**

An experienced man wants position on road with house making specialty in bulbs, plants and seeds. Has had long experience in the florist business and for the past two years on road for a prominent seed house.

Key 131, care American Florist.

**Trade Directory for 1910**

**T**HE AMERICAN FLORIST COMPANY'S Trade Directory for 1910, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 570 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

**American Florist Company**

324 Dearborn Street, CHICAGO, ILL., U. S. A.

Contains 570 Pages **NOW READY.** Price \$3.00 Postpaid



# Flowers for the June Brides

If there is one season of the year when flowers should be fresh and bright, it is NOW. Bridal bouquets and flowers for the young buds have to be of the best of their kind, and these we have in quantity. We are especially strong on

## ROSES

in all the leading varieties—**Richmond, Killarney, White Killarney, My Maryland, Brides and Maids.** There is no sign of mildew, and both flowers and foliage are clear and bright. We have them in all lengths suitable for design work or for presentation bouquets. You will make no mistake in sending us your orders for large or small quantities.

**Carnations** too are a strong leader here. In our experience on this market we never remember the quality of carnations so good at this season. Our growers are sending in stock that would be a credit to them in February, in all the leading varieties. We also offer a cheaper grade in quantity. Write or wire us for special prices. **Sweet Peas, Peonies, Gladioli, Easter Lilies and Greens** of all kinds. Everything needed by high-class retailers.

We Give Personal Attention to All Orders.

**ZECH & MANN,** Room 218  
51 Wabash Avenue, Chicago  
Telephone Central 3284

# WIETOR BROS.

51 Wabash Ave., CHICAGO

Wholesale Growers of Cut Flowers

### CURRENT PRICE LIST

|                                |              |          |                                 |                |              |                                          |                  |         |
|--------------------------------|--------------|----------|---------------------------------|----------------|--------------|------------------------------------------|------------------|---------|
| <b>BEAUTIES</b>                |              | Per doz. | <b>JARDINE, (finest pink</b>    |                | Per 100      | <b>KAISERIN</b> .....                    |                  | Per 100 |
| Long stems.....                |              | \$3 00   | rose) select.....               |                | \$6 00       | <b>WHITE KILLARNEY</b> ...               | \$3 00 to \$4 00 |         |
| 30-inch stems.....             |              | 2 50     | <b>JARDINE, medium</b> .....    | \$3 00 to 4 00 |              | <b>CARNATIONS, fancy</b> ...             | 3 00 to 8 00     |         |
| 24-inch stems.....             |              | 2 00     | <b>BRIDE, select</b> .....      |                | 6 00         | Good.....                                | 2 00             |         |
| 20-inch stems.....             |              | 1 50     | “ medium.....                   | 3 00 to 4 00   |              | <b>PEONIES, per doz</b> .....            | 75c to \$1.00    | 1 50    |
| 15-inch stems.....             |              | 1 25     | <b>MAID, select</b> .....       |                | 6 00         | <b>EASTER LILIES</b> .....               |                  | 12 50   |
| 12-inch stems.....             |              | 1 00     | “ medium.....                   | 3 00 to 4 00   |              | <b>VALLEY</b> .....                      | 3 00 to 4 00     |         |
| Short stems.....               |              | 75       | <b>UNCLE JOHN, select</b> ..... |                | 6 00         | <b>SWEET PEAS</b> .....                  | 1 00 to 1 50     |         |
|                                |              | Per 100  | “ “ medium..                    | 3 00 to 4 00   |              | All Green Goods at market rates.         |                  |         |
| <b>KILLARNEY, select</b> ..... |              | \$6 00   | <b>RICHMOND, select</b> .....   |                | 6 00 to 8 00 | <b>Subject to change without notice.</b> |                  |         |
| “ medium....                   | 3 00 to 4 00 |          | “ medium....                    | 3 00 to 4 00   |              |                                          |                  |         |

**ROSES, our selection.....\$3.00 per 100**

The above prices are for select stock. Extra select or inferior stock billed accordingly.  
All other stock at lowest market rates.

## BUY OF THE GROWER

### Chicago.

#### NO AFTER-HOLIDAY SLUMP.

Almost always after a holiday there is a decided slump in trade, but all were pleasantly surprised to find that this did not materialize after Memorial day. The out-of-town trade from this market on Friday was exceptionally good for the season of the year and this was duplicated on Saturday. The demand for the season is remarkable. With the constantly increasing area of glass feeding this market one would naturally expect that at such times as the present when, beyond weddings, there is no special demand, that stock would be piling up. But nothing of the kind occurred during the present week, stock moving nicely right along. We were permitted to see the books of several prominent wholesalers and their record shows an increase ranging from 15 to 40 per cent over that of last year. This, of course, was to some extent to be expected, partly on account of the in-

crease of glass, partly owing to scarcity of outdoor stock, but, anyway, coming directly after a holiday that was remarkably good, it is eminently satisfactory and speaks well for the business acumen of those who have to move such quantities of stock. As to the quality of the flowers, there is little difference to last week. American Beauty roses are still coming in good shape for the season while the quality of Bride, Bridesmaid, Killarney, Richmond and other roses is truly remarkable for June. The continued cold weather has, of course, a good deal to do with this, for had the heat of March continued the quality by now would have been pretty poor. Carnations, too, are well above the average for the season, fine, well colored flowers with good stems in quantity. Early in the week these were rather too many, some wholesalers having more than they could handle while others reported a good clean up. Orchids are still plentiful, Cattleya Mossiae still being the stand-

by. There is little difference in values though some exceptionally good flowers have been sold at slightly higher prices. Lily of the valley has been in brisk demand, but there has been sufficient in and of excellent quality. Peonies are selling well, the quality of the flowers coming from down-state being very fair, all things considered. In many cases the better prices realized this year for the stock sent to market will just about recoup growers for their losses by frost. Lilies are still plentiful and good. Callas are not so plentiful nor are they wanted. There is quite a lot of Lilium candidum on the market, arriving tight but opening up well in the coolers. Cape jasmines continue to arrive but are not much in demand. Cornflowers, snapdragon and small flowers generally are in good supply.

#### NOTES.

Wietor Bros. have their new greenhouses all planted to young roses and the stock looks fine. Beauty, Killarney and White Killarney are the varieties



# Kaiserins for June

**BEAUTIES, Very Large Crop of Long Stems**

They are the best quality in this market. Also a

## Big Cut of Roses and Carnations

**BUY DIRECT OF THE GROWER**

### Current Price List

| American Beauties                      | Per doz.         |
|----------------------------------------|------------------|
| Extra long.....                        | \$3 00 to \$4 00 |
| 24-36-inch.....                        | 2 50 to 3 00     |
| 18-inch.....                           | 2 00             |
| 12-inch.....                           | \$1 50           |
| Short stems, per 100, \$3 00 to \$8 00 |                  |

| Carnations                             | Per 100 |
|----------------------------------------|---------|
| Fancy red extra long O.P. Bassett..... | \$3 00  |
| Fancy White Enchantress.....           | 3 00    |
| Fancy Enchantress and Winsor.....      | 3 00    |
| ROSES, our selection.....              | 2 00    |

### Richmonds, Killarney, White Killarney and Kaiserin.

|                            | Per 100        |
|----------------------------|----------------|
| Extra long and select..... | \$ 8 00        |
| Good lengths.....          | 6 00           |
| Medium lengths.....        | \$4 00 to 5 00 |
| Short lengths.....         | 3 00           |

### Maids, Brides and Perles

|                      |                  |
|----------------------|------------------|
| Long and select..... | \$6 00 to \$8 00 |
| Medium.....          | 4 00 to 5 00     |
| Good short.....      | 3 00             |

### Miscellaneous

|                                           | Per 100        |
|-------------------------------------------|----------------|
| Lily of the Valley.....                   | \$3 00         |
| Sweet Peas.....                           | 1 00           |
| Asparagus Sprays.....                     | \$3 00 to 4 00 |
| Asparagus Strings, each.....              | 50             |
| Sprengeri.....                            | 2 00 to 3 00   |
| New Ferns, per 1000.....                  | 2 50           |
| Smilax, very long and heavy, per doz..... | 2 50           |
| Adiantum.....                             | 1 00           |
| Galax, green or bronze per 1000.....      | 1 00           |

**ROSES, our selection.....per 1000, \$20.00**

# Bassett & Washburn

Store and Office: 76 Wabash Ave.,

**CHICAGO**

Greenhouses: HINSDALE, ILL.

planted. The cut flower stock coming to the store on Wabash avenue is remarkably good and moves out well. Plant trade in roses, carnations and chrysanthemums has been exceptionally heavy this year according to Nic Wietor, the size of the orders coming in being well exemplified by one for 8,000 Killarney, an order that completely cleaned the firm out of this favorite variety in small stock.

At the Poehlmann Bros. Co.'s we noted extra fine valley. A big lot has been grown at the greenhouses and it is in just right for June weddings, while the stock is just of the class wanted, good spikes with fine, clear bells and ample foliage. Orchids are still coming along in good shape and the extra long stemmed Killarney and other roses are especially good. Carnations are in good shape and there are good offerings of peonies. Spanish irises are coming along well at the greenhouses and large cuts are expected in about a week.

Zech & Mann's fine roses and carnations are coming to be well known among out-of-town customers, the orders for them coming in very freely. The Bridesmaids are exceptionally fine in color and we cannot recall seeing such fine stock of this variety in June. The end of last week was an exceptionally busy time. John Zech has been under the weather for several days, but has had to stick to business, owing to the rush. He looks, and says he feels better just now, so probably hard work agrees with him.

Frank H. Wilhelm opened up a retail store at 1539 W. Twelfth street. He stated that business has been very good, he receiving his share of funeral work. On June 2 a fire broke out in the upper story but no damage was done. Mr. Wilhelm considered himself rather fortunate, as he carried no insurance; it is needless to state that

**"The Busiest House in Chicago"**

## Brides for the June Brides

The finest that are coming into this market. Also Killarney, Maids, Richmond and Chatenay. Extra fancy Carnations, Peonies and Cornflowers. You will profit by sending us your orders.

# J. B. DEAMUD CO.

51-53 Wabash Ave.,

**CHICAGO**

the place was insured the next day. He was formerly foreman of the Wells-worth Farm greenhouses, Downer's Grove.

J. A. Budlong's stock is fine in every particular and it was probably the excellent quality of the goods that led to a complete clean up at the time some other houses were long on various stocks early in the week. Carnations, sweet peas and roses continue to be the chief offerings, and they are certainly good. Charlie Zapfe is now so far restored to health that he takes three good meals a day and says he is glad the strawberry season is on.

A branch of the Briggs House florist was opened June 3 at 57 Randolph street, in the Masonic Temple building. Fine stock has been put in and altogether a very businesslike looking store has been arranged. The windows facing the exit of the building will be a fine advertisement.

Ferdinand Sartor, 5964 N. Paulina avenue, has planted out 35,000 carnations. In the greenhouses he has

planted two beds of cucumbers and green pepper, these being a better paying proposition than carnations at this season.

Peter Reinberg's sales are keeping up remarkably well since Memorial day, while the stock is fine in all varieties. Carnations are still leading and the flowers are of fine substance, large and with good stems. Richmond roses still continue a leader in this line.

Clesen Bros., corner of Robey street and Norwood avenue, have erected four new greenhouses for vegetable growing purposes. Winandy Bros. have the contract and it is expected the work will be completed about July 1.

The stock arriving at Hoerber Bros. is fine in every way. good carnations, Bride, Bridesmaid and Killarney roses being among the leaders. Work is now going ahead rapidly with the new plant at Des Plaines.

John Kruchten has been showing exceptionally good Bride, Bridesmaid and Richmond roses and carnations during the past week.



# Send us your Orders for June Weddings

and we assure you that they will be carefully executed, being able to give you choice stock which we know will please your most particular customers.

We offer choice **Beauties** besides long stemmed flowers in the following varieties:

## My Maryland, Killarney, Kaiserin, Field, Richmond, Jardine

and others. They are the best in this market and cannot be beaten on any other. The foliage is good, the flowers of fine color and they have not a fault.

## Our Carnations

are as fine as can be had. Can supply Perfection, Victory, Bassett, Enchantress, Winsor, Aristocrat and Lawson of A. 1 quality. Also fine home grown Asparagus Plumosus and Sprenger. We are paying especial attention to out-of-town orders, and our facilities for shipping are of the best and most up-to-date.

Let Us Have Your Next Order.

## Fancy Sweet Peas

In Quantities,

White, Pink, Light  
Pink and Lavender.

Roses and  
Carnations  
A Specialty.....

# J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

WHOLESALE

GROWER of

# CUT FLOWERS

At the meeting of the Florists' Club, June 2, 15 members were present with Vice-President Philpott, all the way from Winnipeg, in the chair in the absence of President Asmus. It was decided to give a dinner at the next meeting and all members are invited to attend. The dinner will be complimentary to members, who are at liberty to bring friends at \$1 per head. A representative of the Michigan Central railroad was present with a view of securing the transportation of the members to Rochester for the S. A. F. convention in August, and he offered several inducements.

Bassett & Washburn are shipping heavily all around of Kaiserin and other roses, the sales being away above the average for the season. Mr. Washburn says few realized until this year, when they were short, what an influence on the market the peonies have. They are selling out clean every day of all classes of stock, White Killarney, Kaiserin and Killarney roses being among the leaders.

At the J. B. Deamud Co.'s store excellent gladioli have been shown all week, but they are not there long as the quality leads to a quick disposal. The same is true of the peonies which are in fine shape now. This firm has been handling a lot of new brake ferns which are filling up a gap before the regular shipments arrive.

The failure of the Jones Dry Goods Co., of Kansas City, will probably remove one of the best outlets of stock from this market. It was not unusual for this concern to order 8,000 to 10,000 carnations at a time, and they often helped to clean up a surplus. There is little hope that the floral department will be continued.

Fred Wittbold is recovering rapidly from his recent accident, in which the conveyance he was riding in was turned completely over by a collision with a street car. He has had to carry his arm in a sling, but was very fortunate in coming out of it as well as he did. It might easily have been far more serious.

Vaughan & Sperry report a record-breaking business during the month just passed, May having been much better than an average winter month. They are showing extremely fine stock in all varieties, carnations being especially good. We also noted large quantities of fine Lillium candidum here.

The quality and color of the Killarney roses now coming to Geo. Rein-

berg's store is something well above the average, the flowers being elegant for shipping on account of their great substance. Richmond is also fine and we noted some magnificent sweet peas and orchids.

Chas. Schlieff, 5655 Ravenswood park has nearly completed the erection of three new greenhouses and retail store. He now has 5,000 feet of glass. Among things of interest here, is a bed of mushrooms from which Mr. Schlieff stated he has cleared \$200.

C. W. McKellar reports business fine, especially along the line of flowers suitable for wedding decorations. Orchids, valley and sweet peas have been especially good sellers, with a rather erratic demand for gardenias.

Ed. Misiewicz recently purchased the retail store from M. B. Steczynski, 1166 Milwaukee avenue, and took possession May 1. The place is in charge of his son, Sigmund, who was formerly employed by Mr. Steczynski.

Mrs. A. E. Liebermann, 2822 W. Twelfth street, bought the stock and fixtures in the store from her son Frank for \$300. The building was formerly occupied by Mrs. Ernst who has retired from business.

Orders come thick and fast at E. C. Amling's, where we noted especially good red peonies and sweet peas, though the stock of all kinds in this noted store is well above the average.

A cablegram received by C. L. Washburn from O. P. Bassett says he arrived in England all safe, ate three meals a day all the way over and had not the least signs of "mal de mer."

Among the stock at E. F. Winter-son's we noted large quantities of good Cape jasmines this week and carnations in all the principal varieties, good shipping stock.

### BOWLING.

#### Individual Standing June 3, 1910.

|              |    |      |     |       |
|--------------|----|------|-----|-------|
| E. Johnson   | 3  | 541  | 180 | 1-3   |
| Yarnall      | 15 | 2508 | 167 | 3-15  |
| J. Zech      | 6  | 1004 | 167 | 2-6   |
| Vaughan      | 12 | 2001 | 166 | 9-12  |
| Farley       | 18 | 2986 | 165 | 16-18 |
| Huebner      | 18 | 2968 | 164 | 16-18 |
| Pasternich   | 18 | 2922 | 162 | 6-18  |
| Graff        | 18 | 2380 | 160 |       |
| Wieczorowski | 3  | 480  | 160 |       |
| Asmus        | 9  | 1432 | 159 | 1-9   |
| Winter-son   | 9  | 1387 | 154 | 1-9   |
| Bergman      | 9  | 1280 | 153 | 3-9   |
| Degnan       | 3  | 445  | 148 | 1-3   |
| Ayres        | 15 | 2215 | 147 | 10-15 |
| Lieberman    | 15 | 2139 | 142 | 9-15  |
| Wolf         | 3  | 428  | 142 | 2-3   |
| Goerlich     | 9  | 1233 | 137 |       |
| Vogel        | 5  | 607  | 121 | 2-5   |
| Krauss       | 3  | 359  | 119 | 2-3   |

Leonard J. Stankowicz, 2928 Milwaukee avenue, was recently discharged from the St. Elizabeth hospital. He was laid up for the past three months with kidney and lung trouble.

Visitors: Wm. Young and Chas. Cannon, St. Louis; A. L. Glaser and W. A. Harkett, Dubuque, Ia.; Ed. Kirchner, Winona, Minn.; J. G. Crozer, Cedar Rapids, Ia.

### Chicago Florists' Club.

ED. AMERICAN FLORIST:—

I was requested at the last meeting of the Chicago Florists' Club to send you a report of the receipts and disbursements of the funds collected for the club's special train to Cincinnati, O., last year. The same is as follows:

#### Receipts.

|                            |         |
|----------------------------|---------|
| Returned empties and music | \$10.00 |
| H. E. Philpott             | 10.00   |
| Geo. Asmus                 | 10.00   |
| J. C. Vaughan              | 15.00   |
| P. Foley                   | 15.00   |
| E. Weinhoeber              | 15.00   |
| Poehlmann Bros.            | 24.00   |
| Peter Reinberg             | 15.00   |
| W. N. Rudd                 | 20.00   |
| C. W. McKellar             | 10.00   |
| Chicago Carnation Co.      | 10.00   |
| H. N. Bruns                | 10.00   |
| A. L. Randall              | 10.00   |
| C. L. Washburn             | 10.00   |
| E. F. Winter-son Co.       | 10.00   |
| Florists' Publishing Co.   | 5.00    |
| American Florist Co.       | 5.00    |
| Chicago Florists' Club     | 25.00   |

Total .....\$229.00

#### Expenditures.

|                              |          |
|------------------------------|----------|
| Paid out by E. F. Winter-son | \$147.50 |
| Paid out by E. F. Winter-son | 2.30     |
| Paid out by P. Foley         | 40.00    |
| Paid out by W. N. Rudd       | 23.70    |
| Paid out by L. Kill          | 15.00    |

Total .....\$229.00

The club has on hand, train signs, in care of E. F. Winter-son.

L. H. WINTERSON, Sec'y.

### NEW METHODS OF PLANT BREEDING.—

Plant breeders will be interested in this bulletin, (No. 167) of the Bureau of Plant Industry, by Geo. W. Oliver, as it solves the perplexing problem of crossing certain species of plants which heretofore has been impossible owing to the fragile nature of the sexual organs. It deals with lettuce, alfalfa, grasses, helianthus, pansies and dahlias and a bulletin which could be read with profit by anyone interested in hybridization as the methods described are comparatively simple and easily understood. It is illustrated with fine half-tones.



# FOR JUNE WEDDINGS

—AND—  
Commencements

Our stocks are in the finest possible condition for the season.  
Carnations and Long-stemmed Beauties are especially good.

## CURRENT PRICE LIST

| American Beauties,             | Per doz.                 |
|--------------------------------|--------------------------|
| Long stems .....               | \$3 00                   |
| 30-inch stems .....            | 2 50                     |
| 24-inch stems .....            | 2 10                     |
| 20-inch stems .....            | 1 50                     |
| 15-inch stems .....            | 1 25                     |
| 12-inch stems .....            | 1 00                     |
| Short stems.....               | \$4 00 to \$6 00 per 100 |
| <b>Richmond</b> , select.....  | Per 100 \$8 00           |
| medium.....                    | \$5 00 to 6 00           |
| <b>Killarney</b> , select..... | 8 00                     |
| medium .....                   | 5 00 to 6 00             |

| Mrs. Marshall Field, select ..... | Per 100        |
|-----------------------------------|----------------|
| medium.....                       | \$5 00 to 6 00 |
| <b>Bridesmaid</b> .....           | 5 00 to 6 00   |
| <b>Bride</b> .....                | 5 00 to 6 00   |
| <b>My Maryland</b> , select ..... | 8 00           |
| medium.....                       | 5 00 to 6 00   |
| <b>Chatenay</b> .....             | 5 00 to 8 00   |
| <b>Ivory</b> .....                | 5 00 to 8 00   |
| <b>Perle</b> .....                | 5 00 to 8 00   |
| <b>Sunrise</b> .....              | 5 00 to 8 00   |
| <b>ROSES</b> , our selection..... | \$3 00         |

| Carnations .....             | Per 100          |
|------------------------------|------------------|
| <b>Valley</b> .....          | \$2 00 to \$3 00 |
| 3 00 to 4 00                 |                  |
| <b>Peonies</b> , good stock, |                  |
| assorted.....per doz., \$    | 50 to \$1 00     |
| <b>Easter Lilies</b> .....   | per doz., 1 50   |
| <b>Callas</b> .....          | per doz., 1 50   |
| <b>Asparagus Plumosus</b> ,  |                  |
| extra quality...per bunch,   | 50               |
| <b>Fancy Ferns</b> .....     | per 1000, 3 00   |

**Peter Reinberg,** 35 Randolph St.,  
**CHICAGO.**

# FLOWERS FOR JUNE WEDDINGS AND SCHOOL COMMENCEMENTS.

To those customers who have been using our flowers right along we need only say that our stock was never in better condition than at present. A word to the wise is sufficient.

To those who are not among our regular customers, we wish to say that there are no better flowers reaching this or any other market than those we are now receiving from our mammoth greenhouse plant.

**Beauties**, long stemmed, medium and short for all purposes. **My Maryland**, **Killarney**, **White Killarney** and **Richmond** roses are especially good and we have extra long stems, 40-inch, fine for graduation bouquets, **Carnations** in all leading varieties. Plenty of fine colored **Enchantress**, **Winsor** and **Lawson**.

Home-grown **Orchids** (Cattleyas) a specialty, **C. Mossiae** and **C. Gigas** are in full cut and the flowers are especially good. **Greens** of all kinds **Adiantum** and **Asparagus**.

**POELHMANN BROS. CO.** 33-35-37 RANDOLPH STREET. Chicago,  
OFFICE AND SALESROOM:  
LONG DISTANCE PHONE, RANDOLPH 35.

### Indianapolis.

#### TOO MUCH STOCK.

If the calendar did not show us that it is June we would think that we were in the middle of August, judging from the sudden lull in business. It is not because we have no flowers, for they are plentiful. The market is flooded with peonies, carnations and roses, sweet peas, swainsona, candy-tuft, feverfew and the like. The best carnations can be had for \$2 per 100 now.

#### NOTES.

Pahud Floral Co. has just secured a handsome new wagon from a local manufacturer and acquired a fine new grey horse with an appropriate set of brass mounted harness, bearing "Pahud" tags. The wagon is of buff color.

The regular meeting of the State Florists' Society was held in the state house last Wednesday in further consideration of the coming chrysanthemum show.

Smith & Young have been supplying us with the best peonies ever grown in this locality. They have

been a great drawing card in window displays.

Herman Junge and Carl Sonnenschmidt took a trip to Richmond last week to inspect Hill's and Knopf's roses.

John Heidenreich is now using his recently acquired pleasure automobile to haul bedding plants.

Billy Smith, formerly employed by Bertermann's, is now working for the Roepke-Rieman Co.

Ed. Bertermann and wife have gone to Detroit to participate in a skat tournament.

Jim Walrod is seriously ill. He is an old-timer in the business.

A. W. B.

### St. Louis.

#### TRADE QUIET.

The weather still remains cool and very unseasonable and it appears to influence trade to a great extent. School closings and conventions have kept things stirring a little. Planting out is still, owing to rainy more than cool weather, very backward. Carnations are quoted at two and one-half cents for the fancy, and considerable stock

is sold much cheaper, especially those of inferior grade. Peonies, sweet peas and Cape jasmine have all shortened up. The theaters now open at the summer gardens are not using many flowers. Roses are looking nice and are of good quality. Quite a few Killarney and long-stemmed American Beauties are in.

#### NOTES.

Under the provision of the will of the founder, the Missouri Botanical Garden opened its gates to the public, Sunday from 2 p. m. until sunset. Several thousand attended and were much pleased. The cool, moist spring has caused a new growth of foliage following the April freeze, which gives a fresher shade of green to the vegetation than is usual so late in the season. Notwithstanding the cool weather the garden is fully planted for the summer. Pansies and early spring flowers are looking fine. Special bedding designs are the feature. A very attractive serpentine design in succulents is in front of the sunken garden. There is a fine collection of viburnum and beard tongues in the North American grounds. Groups of tropical plants are



**Send Us Your  
Orders For...**

# Cut Flowers

## For June Weddings and Commencements

**Better Fixed Than Ever. More Growers Than Ever,**

### AMERICAN BEAUTIES

|               | Per doz |
|---------------|---------|
| Long stems    | \$3 00  |
| 30-inch stems | 2 50    |
| 24-inch stems | 2 00    |
| 20-inch stems | 1 50    |
| 12-inch stems | 1 00    |
| Short stems   | 75      |

|             | Per 100          |
|-------------|------------------|
| Bridesmaid  | \$4 00 to \$6 00 |
| Bride       | 4 00 to 6 00     |
| Golden Gate | 4 00 to 6 00     |
| Kaiserin    | 4 00 to 6 00     |

### Richmond

Per 100 \$4 00 to \$8 00

Killarney 4 00 to 8 00

ROSES, our selection 4 00

PEONIES, good stock, assorted 8 00

Old Red (Fancy) per doz., 50c

CARNATIONS, Al stock \$2 00 to 3 00

fancy red 4 00

Harrisii per doz., \$2 00 15 00

Gladioli, fancy 8 00 to 12 00

### Sweet Peas

Per 100 \$ 75 to \$1 50

Valley 3 00 to 4 00

Daisies 75 to 2 00

Pansies 1 00 to 1 50

Adiantum 75 to 1 00

Asparagus, strings each, \$ 50 to \$ 75

Asparagus, bunches each, 35 to 50

Sprenger, bunches each, 25 to 50

Ferns per 1000, 3 00

Galax per 1000, 1 00 to 1 25

Smilax per doz., 2 00 to 2 50

# VAUGHAN & SPERRY

LONG DISTANCE PHONE  
CENTRAL 2571.

52-54 Wabash Ave., CHICAGO.

placed outdoors near the plant houses, also plants yielding fruit fibers, oils, gums, dyes and other products.

The Riessen Floral Co. had the decorations for the banquet given at the Mary Institute graduation exercises. There were 10 long tables and five centerpieces of Shasta daisies with asparagus. The banquet hall was decorated with smilax, palms, Boston ferns and bay trees. The main tables, where were seated the graduates, had 10 large vases of yellow daisies, asparagus, etc., the colors of the school.

The Retail Florists' Association met Monday evening at the Knights of Columbus hall at 8 p. m. The majority of members were present. Business of importance was transacted. The president called a special meeting for Monday evening, June 20, at 8 p. m. All members are requested to be present.

Judge Vesey and daughter, of Fort Wayne, Ind., visited us Sunday. He returned home in the evening, after visiting the wholesale district and calling on many prominent retailers.

C. Young & Sons Co., have a fine assortment of flowering plants of all varieties, also a large supply of rose bushes.

Some extra fine sweet peas were seen. They came from the Cincinnati market, also some very fancy carnations.

John Seidle is sending in daily to F. C. Weber a fine stock of roses. He is building a new residence.

Early closing of the wholesale houses will start in July. W. F.

### Baltimore.

June was ushered in with many weddings, and the demand for the best class of cut flowers has been fairly good. The commencement season has opened also and there is a good deal of business distributed pretty equitably. Memorial day did not prove to be much of a business maker, although the weather was propitious. The commemoration of the soldiers and sailors seems spasmodic. Some years show a good deal of activity, but others a lack of life which savors almost of listlessness. This was one of the times when outdoor sports and excursions

seemed to rather have the call, and the exercises and customs which belonged to the day were largely perfunctory.

This seems to be the most up-side-down kind of a season ever experienced in this quarter of the globe. Early in last week from various points of the state came words of snow squalls, and a frost which did more or less damage according to the situation was general. Later in the week came rains which were general, and for the past 24 hours there has been a downpour heavy and continuous, the temperature being much too low for comfort of humans, though the colder blooded varieties of garden plants seem to be enjoying it, whilst those of a tropical nature look yellow and miserable. Doubtless there will soon be a change and under the general but well established law of equilibriums we may look for a summer in which the mercury will soar way up.

The popular interest in gardening seems to be extending in all directions and the papers take great pleasure in recording the achievements of amateur gardeners, often accompanying the descriptions of well-designed and neatly kept gardens with illustrations. One of the dailies seems to keep a list of those who set out window and porch boxes and takes considerable space to give the names of those who interest themselves in the decorations. One of the illustrations of successful gardening is the rose garden of John M. Adams and wife, at Roland Park, one of the most beautiful of the many beautiful suburbs of this city. A paper declares that it contains 500 rose bushes and that every bush "is in full bloom and loaded with buds," with a host of other blooming plants which are described as making a "veritable bit of fairyland." The lady gets the credit for the enthusiasm and skill which provide this display, and the site being on a popular thoroughfare, a great many people in automobiles, carriages and afoot enjoy the beauty of the place. Mrs. Adams is noted for her success with chrysanthemums in the fall and on more than one occasion she has carried off with flowers produced outdoors, the prizes offered at shows in competition with

commercial growers. All this is very encouraging, since the passion is contagious, and the trade cannot help but profit by the growing ardor for making homes and gardens beautiful.

Richard Vincent, Jr., and Mrs. Vincent, have returned from their European trip, having visited many of the leading establishments of Great Britain and the continent, finding doubtless new geraniums to add to their already notable collection.

The Gardeners' Club has set aside \$25 to supplement the prizes offered by the Sun for the most attractive and best cared for back yard gardens and window boxes. S. B.

### Pittsburg.

Good stock is now beginning to get scarce. By the end of the week good roses were hard to obtain and really first-class carnations were not at all prominent. Sweet peas were in very active demand, and although a record is being made in granting marriage licenses during the first week in June, lily of the valley is not moving faster than ordinarily. Lilies are slow sellers at prices that are the lowest of the year. Cattleyas and Beauties move nicely at reasonable figures.

### NOTES.

Misses Forbes and Donahey, Wheeling, W. Va., spent a few days in town buying anything useful in their line, and report that they have more weddings booked this coming week than they have had at any time since they have been in business, and anyone knows that means a good many.

Wilbur A. Christy, Kinsman, O., was in town June 4, making arrangements with the McCallum Co. to handle his cut of gladioli. Mr. Christy has been a heavy shipper of fancy stock to this market for a number of years.

The McCallum Co. has increased its force—a 10-pound boy to W. Q. Potter, and, on June 4, E. Niggel of the same company was presented with a fine baby boy.

George Werheim, Liberty avenue, reports a good planting season, and also has been very busy with a number of weddings.







## American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

## Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

## Rice Brothers

Wholesale Florists and Supplies,

115 N. 6th St., MINNEAPOLIS, MINN.

Cut Flowers received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities

Mention the American Florist when writing

## THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

Mention the American Florist when writing

## Weiland & Olinger

128 E. Third S., CINCINNATI, O.

Wholesale Growers and Shippers of Cut Flowers.

## William Murphy,

Wholesale Commission

FLORIST

311 Main Street, CINCINNATI, OHIO.

Kansas City.

TRADE DULL.

The business for the past week has been unusually dull, as is almost always the case immediately after Memorial day. The weather, too, has been so very bad that it has had a great deal to do with the small amount of stock handled. With the exception of two or three days, the whole week has been cloudy and damp, hindering the stock from opening and the retail trade from venturing out. Roses, while coming in slow, have been of fair quality. But the small demand for this flower has kept the wholesale dealers plentifully supplied. Bride and Bridesmaid have been of good color, but very short stems, as has been the case with Killarney and White Killarney. Chateau and Perle have almost quit flowering, but their place is very well filled with Carnot and Kaiserin, which have been of very good quality. Beauties are no longer in evidence, except a few short stemmed flowers. Minnehahas are increasing rapidly and are good sellers. Sweet peas, valley and iris are moving slowly. The wet weather has done much damage to the gladioli, having caused many thousands of bulbs to rot before starting from the ground. Orchids have not been plentiful, every one coming in being gobbled up at a good price. Carnations are rapidly decreasing and are expected to go off crop at any time. There is a rapid sale for all shipments that are being received, especially the light colored varieties. Green goods are very

## HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

## Wholesale Flower Markets

| BOSTON, June 8.            |    | Per 100  |
|----------------------------|----|----------|
| Roses, Beauty, best        | 20 | 00@25 00 |
| " " medium                 | 15 | 00@20 00 |
| " " culls                  | 5  | 00@10 00 |
| " " Bride, Bridesmaid      | 1  | 00@4 00  |
| " " Killarney and Richmond | 5  | 00@8 00  |
| " " My Maryland            | 2  | 00@8 00  |
| " " Carnot                 | 2  | 0@12 00  |
| Carnations, select         | 1  | 00@2 00  |
| " " fancy                  | 2  | 00@3 00  |
| Callas                     | 8  | 00@10 00 |
| Cattleyas                  | 35 | 00@50 00 |
| Lilium Longiflorum         | 8  | 00@12 00 |
| Lily of the Valley         | 2  | 00@4 00  |
| Smilax                     | 12 | 00@16 00 |

| ST. LOUIS, June 8.        |    | Per 100  |
|---------------------------|----|----------|
| Roses, Beauty, long stems | 15 | 00@20 00 |
| " " medium stems          | 8  | 00@12 50 |
| " " short stems           | 2  | 00@4 00  |
| " " Bride, Bridesmaid     | 3  | 00@5 00  |
| " " Killarney             | 3  | 00@6 00  |
| " " My Maryland           | 3  | 00@6 00  |
| " " Richmond              | 3  | 00@6 00  |
| Carnations                | 1  | 00@2 00  |
| " " fancy                 | 2  | 00@3 00  |
| Callas                    | 8  | 00@10 00 |
| Easter Lilies             | 6  | 0@10 00  |
| Sweet Peas                | 20 | @1 50    |
| Adiantum                  | 2  | 00@3 00  |
| Asparagus Sprengeri       | 12 | 50@15 00 |
| Smilax                    | 12 | 50@15 00 |

| CINCINNATI, June 8.           |    | Per 100  |
|-------------------------------|----|----------|
| Roses, Beauty                 | 1  | 00@4 00  |
| " " Bride, Bridesmaid         | 2  | 00@6 00  |
| " " Golden Gate               | 2  | 00@6 00  |
| " " Killarney                 | 2  | 00@6 00  |
| " " Richmond                  | 2  | 00@6 00  |
| Carnations                    | 1  | 00@3 00  |
| Callas                        | 10 | @10 00   |
| Daisies                       | 50 | @50 00   |
| Iris, Spanish                 | 3  | @3 00    |
| Lilium Longiflorum            | 10 | 00@12 50 |
| Lily of the Valley            | 3  | 00@4 00  |
| Peonies                       | 4  | 00@5 00  |
| Sweet Peas                    | 50 | @75 00   |
| Adiantum                      | 1  | 00@1 50  |
| Asparagus Sprengeri, per bch. | 25 | @1 00    |
| Smilax                        | 12 | 50@15 00 |

| MILWAUKEE, June 8.      |    | Per 100  |
|-------------------------|----|----------|
| Roses, Beauty           | 5  | @3 00    |
| " " Bride, Bridesmaid   | 3  | 00@8 00  |
| " " Killarney           | 3  | 00@8 00  |
| " " Richmond            | 3  | 00@8 00  |
| Carnations              | 2  | 00@3 00  |
| Callas                  | 15 | @15 00   |
| Lilium Giganteum        | 2  | @2 00    |
| Lily of the Valley      | 4  | @4 00    |
| Magnolia                | 35 | @35 00   |
| Peonies                 | 5  | 00@8 00  |
| Snappdragon             | 3  | 00@8 00  |
| Sweet Peas              | 50 | @1 00    |
| Adiantum                | 1  | @1 50    |
| Asparagus               | 50 | @60 00   |
| " " Plumosus, per bunch | 50 | @50 00   |
| " " Sprengeri           | 35 | @35 00   |
| Boxwood                 | 25 | @25 00   |
| Ferns, Fancy            | 3  | @3 00    |
| Galax                   | 1  | 50@20 00 |
| Smilax                  | 3  | @3 00    |

scarce. Hardy ferns have fallen off at an alarming rate and some dealers have quit shipping until the new crop is ready. Smilax is the only green that is in abundance. Asparagus, both plumosus and Sprengeri, is not plentiful enough to supply the demand. Adiantum is very scarce, but the quality of that on hand is excellent.

—THE—  
**J.M. McCullough's Sons Co.,**  
 Wholesale Commission Florists.  
 —CONSIGNMENTS SOLICITED.—  
 Special attention given to Shipping Orders.  
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**Jobbers of FLORISTS' SUPPLIES**  
**SEEDS and BULBS.**  
 Price List on Application.  
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## H. G. BERNING,

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

## C. A. KUEHN,

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A Complete Line of Wire Designs.

## WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St.,  
 Both L. D. Phones, ST. LOUIS, MO.  
 Supplies and Everything in Season always on hand

### NOTES.

The W. C. T. convention, which has been held here, has brought several florists around. Among those present were E. Tatro of Salina, Kans., J. Steinhauer of Pittsburg, and R. L. Isherwood of Chillicothe.

The Geo. M. Kellogg Flower & Plant Co. has been doing a good business lately. Their shipments of stock have been of the best quality, although in rather small quantities.

Edward Bunyan of Independence, the son of E. G. Bunyan, was married June 1, to one of the charming young ladies of that city. We wish him much happiness.

Geo. Bastian, formerly of the Geo. M. Kellogg Flower & Plant Co., passed away the evening of June 2, after an illness of several months.

Mrs. L. C. Fields has completed an addition to her greenhouses, which will add greatly to her business next winter.

A. F. Burke says that he retailed 6,500 peonies besides several thousand carnations May 30. MISSOURI.



## Ferns

New stock. No waste.  
Can furnish any quantity.  
\$1.00 per 1000.

## Galax

BRONZE and GREEN.  
\$7.50 per case;  
1.00 per 1000.

## Sphagnum Moss

BIG VALUE. Clean. Fresh.  
1 5-bbl. bale.....\$ 2.00  
6 5-bbl. bales.....10.00

THE LEO NIESSEN CO., Business Hours: 7 a. m. to 8 p. m.  
Wholesale Florists, 1209 Arch Street, Philadelphia, Pa.

## Pittsburg Florists' Exchange,

## CATTLEYAS

## A SPECIALTY

Home grown Cattleyas a specialty. This stock is much superior to that shipped from other points, and we can furnish you absolutely fresh Orchids at any time at reasonable prices.

Gladioli, Peonies, Roses, Beauties,  
Carnations, Sweet Peas.

All Seasonable Flowers at the Right Price.

Green and Broze Galax 65c per 1000

15 Diamond Square, PITTSBURG, PA.

Mention the American Florist when writing

## Philadelphia.

## VALLEY SCARCE FOR JUNE WEDDINGS.

Peonies are on the wane, but there is still a quantity of the later varieties coming and which supply will last out the week. Outdoor sweet peas are fine and are very popular for the commencement work; they are seen in a great variety of colors. Carnations are commencing to show the effect of the long forcing and are getting smaller. Lily of the valley was very scarce the first few days of June, the demand for wedding work using up everything in sight, with not near enough flowers to go around. Much of the select stock brought \$5. Roses were plentiful, with Beauties in good demand; in fact, for a few days there appeared to be sale for all good roses at top prices. Eastern roses find quite an outlet in this market, as the quality runs somewhat higher, the warm weather here quickly affecting the local stock. The general run of roses is still very fair, however, and prices are satisfactory for the season. There has been considerable funeral work lately, one firm alone having over 80 pieces in three days.

The bedding plant men say that business has been unusually good this season and nearly everything is sold out. Roses have sold well, there being but few salable plants seen in any of the stocks. Geraniums and all sorts of soft bedding plants sold very well. The H. A. Dreer Co. is giving a practical demonstration of the value of the hybrid tea roses as bedding plants. Fine beds 300 feet long by about six feet wide are planted with over 600 varieties of this class of rose and they contain every known sort of merit up to this date. The beds are attracting the attention of all lovers of flowers in this section, both professional and amateurs who know of them and many early morning pilgrimages (for this is the best time of day to see them) are daily made. A number of the newer rambler roses are also being tried. In addition to the display here quantities of choice flowers, carefully labeled, are sent to the city store, 714 Chestnut street and placed in the windows, where they attract a great deal of attention and many sales are made in this way, as to see such flowers creates a desire for them and many rose collections are started by these exhibitions.

Robert Craig, Jr., and Duncan McCrae were visitors at the Julius Roehrs nursery the past week.

## OUR SUMMER CUT OF

## Beauties, Kaiserins, Killarneys

Is now on. This stock will please you.

McCALLUM CO.,

937 Liberty Ave. Pittsburg

## Pittsburgh Cut Flower Co.,

Wholesale Florists and Growers,

The House that has and sells good goods at fair prices.

Salesrooms, 222 Oliver Ave.

PITTSBURGH, PA.

## Wholesale Flower Markets

| PHILADELPHIA, June 8.            |             | Per 100 |
|----------------------------------|-------------|---------|
| Roses, Beauty, extra.....        | 20 00@25 00 |         |
| " first .....                    | 10 00@15 00 |         |
| " Brides and Maids.....          | 4 00@ 6 00  |         |
| " Tea.....                       | 4 00@ 6 00  |         |
| " extra .....                    | 8 00@10 00  |         |
| Carnations.....                  | 2 00@ 4 00  |         |
| Callas.....                      | 8 00@10 00  |         |
| Cattleyas.....                   | 40 00@50 00 |         |
| Lilium Harrisii.....             | 8 00@10 00  |         |
| Lily of the Valley.....          | 4 00@ 5 00  |         |
| Mignonette.....                  | 3 00@ 4 00  |         |
| Peonies.....                     | 3 00@ 6 00  |         |
| Snapdragons.....                 | 4 00@12 00  |         |
| Sweet Peas.....                  | 50@ 1 00    |         |
| Adiantum.....                    | 75@ 1 00    |         |
| Asparagus..... per bunch         | 50          |         |
| Smilax.....                      | 15 00@20 00 |         |
| PITTSBURG, June 8.               |             | Per 100 |
| Roses, Beauty, special.....      | 12 00@15 00 |         |
| " extra.....                     | 8 00@12 00  |         |
| " No. 1.....                     | 4 00@ 6 00  |         |
| " Bride Bridesmaid.....          | 2 00@ 6 00  |         |
| " Chateau.....                   | 2 00@ 6 00  |         |
| " Killarney.....                 | 2 00@ 6 00  |         |
| " My Maryland.....               | 2 00@ 6 00  |         |
| " Richmond.....                  | 2 00@ 6 00  |         |
| Carnations.....                  | 1 00@ 2 50  |         |
| Callas.....                      | 6 00        |         |
| Cattleyas.....                   | 40 00@50 00 |         |
| Gardenias.....                   | 15 00@20 00 |         |
| Gladioli.....                    | 4 00@ 8 00  |         |
| Lilium Longiflorum.....          | 6 00@10 00  |         |
| Lily of the Valley.....          | 3 00@ 4 00  |         |
| Pansies.....                     | 50@ 1 00    |         |
| Peonies.....                     | 3 00@ 6 00  |         |
| Primroses.....                   | 50@ 75      |         |
| Sweet Peas.....                  | 25@ 50      |         |
| Adiantum.....                    | 1 50        |         |
| Asparagus Sprengerii, per bunch, | 50          |         |
| " strings... per string,         | 50          |         |
| " sprays... per bunch,           | 50          |         |
| Smilax.....                      | 15 00       |         |

## FLORISTS' CLUB MEETING.

"Orchids" was the topic at the June meeting of the club, June 7, Alphonse Pericat reading a paper of much interest on these popular flowers. There was considerable discussion which, incidentally, brought in several glowing accounts of the great show at Boston by Messrs. Pericat, Logan, Watson and Gould. All agreed that it was the greatest exhibition of the kind they had ever seen. Alphonse Pericat staged a number of blooms of cattleyas that flower now. There was also an exhibit of the new fern, Nephrolepis Millerii, a very pretty thing. Bowlers were notified that 30 games were to be rolled during June on Monday and Thursday evenings, those making the best averages being chosen for the team to represent the club at Roches-

ter at the convention tournament. John Westcott, George C. Watson and Robert Kift were appointed a committee on transportation to get price of tickets and various routes to the convention. Charles H. Fox, who has been very ill with typhoid fever, is, we are happy to say, out of danger and recovering rapidly.

The yellow chrysanthemums, Golden Glow, offered by the Leo Niessen Co., cause quite a good deal of comment. They seem terribly out of season, but if a supply could be maintained they would find sale on account of their size and color. Exceptional Beauty roses are also a feature here. K.

## Buffalo.

## WEATHER ERRATIC.

As has been reported in previous notes, the weather is still visiting us in every way possible, rain, cold and frost, which has made trade anything but brisk, with the exception of weddings and funerals, over which it has no control. Memorial day business was very good on Saturday and Sunday as to cut flowers, but on Monday rain was the leading attraction and fell at intervals, spoiling everything and everybody. The supply for Memorial day was none too good. Roses and carnations from the local growers were soon picked up. Lilac, which is in such demand on a day like this was very poor, owing to the rain. Irises, peonies and other outdoor stock of only fair quality were shipped in and at prices a little higher than usual, but only for the outdoor stock. The work of the park department, also landscape architects and greenhouse men, has been very much delayed. On June 1, when a straw hat should have been worn, the winter overcoat was very much in evidence.

## NOTES.

As usual, in June, weddings are always looked for by the florists, and to be in fashion one of our "younger shoots" in the business got the fever and as the story goes "George Did It." Geo. Paschka, who is the artistic window decorator for S. A. Anderson, quietly wandered away and wedded Miss Elizabeth Zimmerman. At the present writing both children are very comfortable in their cozy home. The best wishes of all are with them in their courageous undertaking.

We are sorry to hear that Robt. A. Scott is not getting on as well as expected; his knee still bothers him.

BISON.



# Announcement

I wish to announce to the trade that I have succeeded  
to the **Old Established Business of**  
**JOHN I. RAYNOR, 49 West 28th St., NEW YORK CITY.**

I have acted in the capacity of General Manager for him  
for the past seventeen years and I feel satisfied I can  
extend the same fair and square dealing to both **grower**  
and **retailer** in the future as in the past.

I am in a position to fill orders in any amount of **The**  
**Best Quality** of all kinds of **Cut Flowers.**

**P. J. SMITH, 49 West 28th Street**  
**Telephone 1998 Madison.**

## New York.

### WEATHER HINDERS TRADE.

Whether it is the wandering tail of Halley's comet or other celestial and atmospheric conditions that are responsible, this fine old metropolis is now passing through a streak of very peculiar weather. The morning of June 4 was cold enough for an overcoat and many were worn. June 5 was also cool with heavy rain in the afternoon. The supply of stock has been decreasing and if the demand was heavy prices would soar. As it is, good prices for this season, are being realized. The most noteworthy shortage is in sweet peas, good stock of which sells readily at \$1.25 and \$1.50 per dozen bunches. Good American Beauty roses are not plentiful and the price fluctuates between 20 cents and 30 cents each. There are plenty of tea roses to supply all demands, but on account of the cool and damp weather, considerable mildewed stock is arriving.

June 6.—There is no marked change in the condition of the cut flower market. While cool and unfavorable weather has shortened the supply, there is a corresponding decrease in the demand. If the price of some stocks have pushed up a little it is more on account of light arrivals than otherwise. There is a great amount of peony stock around and some of it is selling very cheap.

### NOTES.

The next regular meeting of the Florists' Club will be held in the Grand Opera House building, northwest corner of Eighth avenue and Twenty-third street, on Monday, June 13, at 7:30 p. m. Geo. V. Nash will entertain the club with an illustrated lecture entitled "Through Hayti on Horseback." A full report will be made by the committee on the plant and cut flower market at Queensboro

## ANNOUNCEMENT.

We beg to announce that on and after July 1, 1910, the premises on the first floor of the Coogan Bldg. will be under the management of **A. Moltz & Company, who will sell at wholesale only**, all flowers in season in addition to roses.

**A. Moltz**

**Maurice L. Glass.**

**A. MOLTZ & COMPANY, Wholesale Florists,**

Tel. 2921 Madison Sq. Open from 5 a. m. to 6 p. m. **Coogan Bldg., 55-57 W. 26th St., New York.**

bridge. As this will be the last meeting before the summer vacation, John B. Nugent, of the house committee, promises refreshments befitting the occasion.

Gretsch & Ordenez Bros. is the title of a new firm that will hereafter do business at 52 West Twenty-eighth street. Mr. Gretsch has been located there for some time and is well known as an active and energetic young man. The Ordenez brothers are importers and growers of orchids, with greenhouses at Madison, N. J. They are well known in the trade and in this new venture we trust that all concerned will make good.

The work of demolishing the old Rialto goes merrily on. The stores formerly occupied by Traendly & Schenck and Walter F. Sheridan have disappeared and sky-scrapers will soon take their places. On June 6, George Cottonas & Co. removed from 50 to 127 West Twenty-eighth street. George Saltford will also in a few weeks locate west of Sixth avenue.

P. J. Smith, as previously noted, will succeed John I. Raynor in the wholesale business at 49 West Twenty-eighth street. Having been for 18 years a trusted employe of Mr. Raynor, he is considered a clever and capable man, worthy of the cordial patronage of the trade.

P. J. Demas of the Pittsburg Florists' Exchange, sailed from this port for Europe on June 7. He will spend several months on the other side.

J. T. Butterworth South Framingham, Mass., who was among the successful exhibitors at the great orchid exhibition, was a visitor June 6.

M. Barker of the FLORIST is spending a few days in this city, on his return from the orchid exhibition at Boston.

J. Schmidt, of Baltimore, Md., was here on June 6 on a business trip.

### The Hitchings Cup of Merit.

Upon the recommendation of the exhibition committee the New York Florists' Club has decided to offer the silver cup presented by Hitchings & Co. for competition at the club's monthly meetings, commencing with the June meeting and ending with the December meeting of this year, said cup to be known as the "Hitchings Cup of Merit" and to be awarded to the exhibitor scoring the greatest number of points during the next five meetings, and to be presented to the winner at the first meeting of next year.

The club has further decided that the cup, if offered by Hitchings & Co. annually, shall be competed for in the same way as before, but competition shall commence with the January meetings and continue each month until the end of each year, the cup to be presented to the respective winners at the first meeting of each year.

**JOHN YOUNG, Sec'y.**



# Young & Nugent,

Telephone 2065-2066 Madison Square.

42 West 28th Street,

To out-of-town florists

We are in the Heart of

# New York

And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

# Trade Directory

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Phones: 798 and 799.

NEW YORK.

**Alexander J. Guttman,**  
**THE WHOLESALE FLORIST OF NEW YORK**  
34 WEST 28th STREET,  
PHONES, 1664-1665 MADISON SQUARE  
**ENOUGH SAID.**

# J. K. ALLEN,

Commission Dealer in Cut Flowers,

106 West 28th Street, Near 6th Ave. Elevated Station, NEW YORK

Established 1887.

Consignments of Cut Flowers handled to best advantage. Your business relations always appreciated.

Prompt returns. Weekly payments to all shippers.

Telephone 167-4468 Madison Square.

Open at 6 a. m. every day.



Give us a Trial We can Please you.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

**WM. F. KASTING CO.** Wholesale Commission Florists.  
BUFFALO, N. Y.  
Florists' Supplies and Wire Designs.

Mention the American Florist when writing

# August Millang

WHOLESALE FLORIST

41 W. 28th St., NEW YORK

Mention the American Florist when writing

# N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.

Open for Cut Flower Sales at 6 o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

**V. S. DORVAL, Secretary.**

Mention the American Florist when writing

New York Wants a Show.

Boston's fine orchid show reminds us that New York has few treats of this kind. We have, to be sure, the exhibitions of the Horticultural Society, constantly growing more interesting, and the yearly shows of the Rose Society, the Chrysanthemum Society and other one-flower bodies. But none of these gives the impression that there has been a full participation. The attendance at recent Horticultural Society shows, however, in the Museum of Natural History indicates that the New York public is interested. There is no reason why a building the size of Madison Square garden should

# Wholesale Flower Markets

NEW YORK, June 8.

|                                 |             |
|---------------------------------|-------------|
| Roses, Beauty, special.....     | 15 00@25 00 |
| extra and fancy.....            | 6 00@8 00   |
| No. 1.....                      | 4 00@5 00   |
| No. 2.....                      | 1 00@3 00   |
| Bride, Bridesmaid, special..... | 3 00@4 00   |
| extra and fancy.....            | 2 00@3 00   |
| Killarney, special.....         | 4 00@6 00   |
| extra and fancy.....            | 2 00@3 00   |
| No. 1 and No. 2.....            | 75@1 00     |
| My Maryland.....                | 1 00@6 00   |
| Richmond.....                   | 1 00@8 00   |
| Carnations.....                 | 1 00@3 00   |
| Callas.....per doz.,            | 75@1 00     |
| Cattleyas.....                  | 25 00@40 00 |
| Gardenias.....per doz.,         | 75@2 00     |
| Gladiolus.....per doz.,         | 50@2 00     |
| Lilium Longiflorum.....         | 2 00@5 00   |
| Lily of the Valley.....         | 1 00@2 50   |
| Mignorette.....per doz.,        | 20@50       |
| Peonies.....per doz.,           | 50@1 00     |
| Sweet Peas.....per doz, bunches | 75@1 50     |

BUFFALO, June 8.

|                              |             |
|------------------------------|-------------|
| Roses, Beauty, special.....  | 20 00@25 00 |
| fancy.....                   | 15 00@20 00 |
| extra.....                   | 10 00@15 00 |
| Bride, Maid, Killarney.....  | 8 00@10 00  |
| Carnations.....              | 1 50@3 00   |
| Callas.....                  | 8 00@12 00  |
| Daisies.....                 | 1 00@2 00   |
| Lilium Longiflorum.....      | 8 00@10 00  |
| Lily of the Valley.....      | 3 00@4 00   |
| Mignonette.....              | 1 00@3 00   |
| Peonies.....                 | 5 00@8 00   |
| Sweet Peas.....              | 50@1 00     |
| Tulips.....                  | 1 00@2 50   |
| Adiantum Croweanum.....      | 1 25@1 50   |
| Asparagus Str.....           | 50@60       |
| Ferns.....                   | 2 50        |
| Galax, green and bronze..... | 1 50        |
| Smilax.....                  | 15 00@20 00 |

# ALFRED H. LANGJAHR

WHOLESALE FLORIST,

55 W. 28th Street, NEW YORK.

All flowers in season. Consignments of first-class stock solicited.  
Phones 4626 and 4627 Madison Square.

not be hired twice or three times a year, and filled to overflowing with the products of New York gardens.—New York Post.

RICHMOND, IND.—John Evans sailed from New York, June 1, on the Mauritania for Europe.

BELLAIRE, O.—A severe frost at the end of May did considerable damage here to flowers, but vegetables were unhurt.

# Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756  
Madison Square.

NEW YORK.

Mention the American Florist when writing

# HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty. Roses, Violets, Carnations, Valley, Lilies, Etc.

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Telephones: 2200 and 2201 Madison Square.

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# Walter F. Sheridan

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

131 & 133 West 28th St., NEW YORK.

Mention the American Florist when writing

# KESSLER BROS.

450 Sixth Ave., NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS.

Phone 2336 Madison. Shipments Everywhere. Prompt and satisfactory. Consignments solicited. Mention the American Florist when writing

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Successor to FORD BROS.

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**George Cotsonas & Co.**Wholesale and Retail Dealers  
in all kinds of**Evergreens**  
Fancy and Dagger  
Ferns, Bronze and  
Green Galax, Holly,  
Leucothoe Sprays,  
Princess Pine Etc.We ship to all parts of United States and Canada.  
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Perpetuated and Natural Sheet

**MOSESSES**New Crop Ferns, Fancy and Daggers  
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**CREDIT LIST**

With Quarterly Supplements. The list now contains between 7,000 and 8,000 names. Membership fee, \$10.00 including privilege of obtaining unlimited number of commercial ratings at cost.

We also collect accounts at standard rates.

National Florists' Board of Trade, 56 Pine St., NEW YORK

Wichita, Kans.

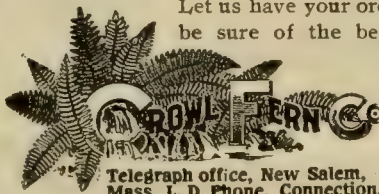
Memorial day has kept its reputation as a busy season. Local retailers all report alike that they had all they could do. The supply of flowering plants was completely cleaned up with correspondingly heavy sales in coleus, etc. It is safe to say that there was not a decent geranium in flower unsold by Monday noon. The trade in cut flowers was also the heaviest ever. There was in the main plenty of stock, although a shortage developed in carnations, but there were plenty of roses and peonies for all calls, with an ample supply of Cape jasmine. Stock was generally of good quality and brought fair prices.

**NOTES.**

Speaking of deep wells, W. H. Culp & Co. are drawing their water by pump from the river about 1,600 feet distant. The lift is about 10 or 12 feet. A power pump and 5 h.p. gas engine do the work. They have about 18,000 feet of glass, with the usual outdoor needs for water, and the gas bill with engine oil is practically all the expense. This totals 50 cents to \$1 per month, and the water is practically as soft as rain water. It being a suburban neighborhood, the pipe line was laid through the streets same as regular water service, galvanized 2-inch pipe being used. Care was taken to keep grades as even as possible to avoid air pockets. Tight joints also were made to prevent entrance of air owing to suction in the pipes. The pneumatic pressure system is used, and enough air comes in with the water to just about meet the requirements of such a system. This firm reports that in addition to all the local trade they could handle they had a very heavy shipping trade, all retail. Their store force of 10 people worked hard all day Saturday getting out the shipping orders, the store being kept closed as usual for Sunday. In addition to the usual heavy business for the week there was a stiff call for funeral work.

The regular spring bedding trade, owing to the peculiar season, has kept up steadily since May 1, but by the end of the first week in June showed signs of slackening. Most stock is well cleaned out, and we can now begin to attend to our own planting, which was much neglected.

Geo. Speer, formerly with C. P. Mueller is back at that place after a few months vacation in the south, finding out that this city is the best yet.

**New Crop Ferns Now Ready, only \$1.75 per 1000.**Telegraph office, New Salem,  
Mass. L. D. Phone, Connection.

Let us have your orders now for Memorial Day, and you will be sure of the best to be had and at rock bottom prices.  
Galax, bronze or green, 75c per 1000.  
Special lot of Bronze Galax, at \$6.00 per case of 10,000. SPHAGNUM MOSS, 12-barrel bales for \$3.50. Nice stock. Try a bale. GREEN MOSS, \$1.25 per barrel.  
Use our LAUREL FESTOONING, for decorations, 4c, 5c, and 6c per yard. Made fresh daily from the woods.  
SMILAX, 50 lb. cases, \$6.00. PINE, 7c per lb.  
Nice, large bunch of Laurel Branches, 35c. Laurel and Pine, wreaths, \$2.00 to \$3.00 per doz. Boxwood, \$15.00 per 100 lbs.

**Crowl Fern Co.,****Millington, Mass.****FANCY.****Henry M. Robinson & Co.**

Wholesale Commission Florists.

Cut Flowers of all kinds, Hardy Cut Evergreens and Florists' Supplies.

New Crop Dagger and Fancy Ferns ..... \$2.00 per 1000  
Bronze and Green Galax ..... \$1.00 per 1000; 8.50 per 10 000  
Leucothoe Sprays ..... \$1.00 per 100; \$7.50 per 1000  
Southern Wild Smilax, Branch Laurel, Laurel Festooning,  
Green and Spaghnum Moss, Boxwood Sprays,

A large stock constantly on hand. Can fill orders at a moment's notice, Telephone or telegraph.

Telephones: 2617-2618 Main; Fort Hill 25290.  
15 Province Street and 9 Chapman Place,**BOSTON, MASS.****FANCY FERNS, \$2.00 per 1000**

New Crop Galax, Bronze or Green ..... \$1.25 per 1000; 10,000, \$7.50  
Sphagnum Moss, large bales ..... \$1.25; 6 bales, \$7.00. Extra fine  
Leucothoe Sprays, Green and Bronze ..... \$1.00 per 100; \$7.50 per 1000  
Boxwood ..... per bunch, 35c; 50-pound case, \$8.50

Florists in the Middle and Western States can save money  
by placing their orders with us. A trial order solicited.**MICHIGAN CUT FLOWER EXCHANGE, Inc.**

Wholesale Commission Florists and Florists' Supplies,

38-40 Broadway,

All phone connections.

**DETROIT, MICH.**

Ralph Culp and Harry Mueller, each having finished high school and a business college course, have gone into their respective father's stores, looking after the books, correspondence, etc., and are already right-hand men.

Chas. P. Mueller had a good business in cemetery planting, the convenience of his plant to the cemetery making this an item worth while.

A "for rent" card in the window of F. Kuechenmeister's city store indicates its discontinuance through the summer.

W. I. CHITA.

**Davenport, Ia.**

Memorial day and the spring trade is of the past and almost every florist in this part of the country will agree with the writer that it was one of the largest ever experienced here, at least for some time past. Owing to the freezing weather up almost to May 30, we have been worked to death in getting plants out before that holiday. Memorial day itself was a hummer; the weather was pleasant enough for everyone to get out and the cemeteries were crowded all day with visitors. The retailers adjacent to the cities of the dead had all they could handle and more too, waiting on the customers that crowded the greenhouses from early morning till after dark. Several were completely sold out long before the day was over. Cut flowers were not over-plentiful and brought a

**New Crop Ferns****FANCY and DAGGER ready May 1st.**Special price for large orders  
Price \$1.25 per 1000.**CALDWELL THE WOODSMAN CO.,**  
**Evergreen, Alabama**  
Mention the American Florist when writing**NOW SHIPPING****Green Galax****SELECTED STOCK.** Prices right.  
Terms reasonable.**GEO. M. AUTREY & SON,** Harvard, N. C.  
Mention the American Florist when writing

higher price than is usual for this time of the year. This was caused, of course, by the scarcity of outdoor flowers, there being practically nothing to speak of with the exception of peonies and they sold well at a stiff figure. Looking over past records one will find that this year has been an exceptional one as more business was crowded into the week before Memorial day than ever before, and, as is usually the case, several large funerals had to take place on the holiday, adding so much more additional work. Nevertheless the boys are happy now that the rush is over and are turning their attention to the building line.

T. E.



## DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place,  
L. D. Phone 558 Lake View.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY.

Cincinnati, O.

JULIUS BAER,

138-140 E. Fourth St.  
Long Distance Phone.

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838— CANAL ST.

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers and Boland

FLORIST

60 KEARNEY STREET.

Kalamazoo and  
Battle Creek, Mich.

H. A. FISHER CO.

Wholesale and Retail Florists.

We Handle Everything in Season.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper  
care of your orders in Wisconsin.

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled  
promptly with the choicest stock.

Washington, D. C.

GEO. H. COOKE

FLORIST

Connecticut Avenue and I Street.

Washington,

D. C.

14th and N Streets.

Also

1601 Eutaw Place,

Baltimore, Md.

Alexander McConnell,

571 Fifth Ave., Windsor Arcade,

NEW YORK CITY.

TELEGRAPH Orders forwarded to any  
part of the United States, Canada and  
all principal cities in Europe. Orders  
transferred or entrusted by the trade to  
our selection for delivery on steamships  
or elsewhere receive special attention.

Telephone Calls: 467 and 488 38th St.

Cable address: ALEXCONNELL  
Western Union Code.

FROM NEW YORK EXCEPT AS NOTED.

June 14.

Batavia, Ham.-Amer., 2 p. m., Hoboken Pier.  
New Amsterdam, Holl.-Amer., 10 a. m., Hoboken Pier.

Kaiser Wil. der Grosse, N. Ger. Lloyd, 10 a. m., Hoboken Pier.

FROM BOSTON, Cymric, White Star.

June 15.

Campania, Cunard, 9 a. m., Piers 54 and 56, North River.

Pennsylvania, Ham.-Amer., 1 p. m., Hoboken Pier.

June 16.

Ultonia, Cunard, 12 noon, Piers 54 and 56, North River.

La Provence, French, 10 a. m., Pier 42, North River.

Bremen, N. Ger. Lloyd, 10 a. m., Hoboken Pier.

June 17.

FROM MONTREAL, Tunisian, Allan, 3 a. m.  
FROM QUEBEC, Empress of Ireland, Can.-Pacific, 3:30 p. m.

June 18.

Furnessia, Anchor, 10 a. m., Pier 64, North River.

Perugia, Anchor, Pier 64, North River.

New York, American, 10 a. m., Pier 62, North River.

Lapland, Red Star, 11 a. m., Pier 59, North River.

Celtic, White Star, 9 a. m., Piers 60 and 61, North River.

Roma, Fabre, 1 p. m., Amity Dock.

Koenig Albert, N. Ger. Lloyd, 11 a. m., Hoboken Pier.

FROM MONTREAL, Sicilian, Allan, daylight.

FROM PHILADELPHIA, Haverford, American, 10 a. m., Pier 54.

FROM MONTREAL, Canada, White Star-Dom., daylight.

FROM BALTIMORE, Wittekind, N. Ger. Lloyd, 2 p. m., Pier 9, Locust Point.

Brooklyn, New York.

“WILSON”

3 and 5 Greene Ave. and 339 to 347 Greene Ave.

Greenhouses: Short Hills, N. J.

— Deliveries in —

NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

New York.

MYER, FLORIST,

609-611 Madison Ave.

Phone 5207 Plaza.

Indianapolis, Ind.

Bertermann Bros. Co.

FLORISTS

.....241 Massachusetts Ave.



WASHINGTON

D. C.

Gude's

Omaha, Neb.

Hess &amp; Swoboda

FLORISTS.

1415 Farnum St.

TELEPHONES  
1501 and L 1583

Denver, Colo.

The Park  
...Floral Co.

J. A. VALENTINE, President.

Washington, D. C.

Geo. C. Shaffer,

== FLORIST ==

Phone 2416 Main 14th & Eye Sts., N. W.  
Write, Telegraph or Telephone.The Florists' Market Place,  
Our Ready Reference Ad. Dep



# DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

## Kansas City, Mo.

Geo. M. Kellogg Flower and Plant Co.,  
906 GRAND AVE.

KANSAS CITY and PLEASANT HILL, MO  
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

Mention the American Florist when writing

## Terre Haute, Ind.

John G. Heint & Son,  
129 South Seventh St.

Telephone 247.

We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

## Pittsburg, Pa.

A. W. SMITH CO.

KEENAN BLDG.

Largest Floral Establishment in America  
Established 1874. Incorporated 1909.

## Rochester, N. Y.

J.B. KELLER SONS,

FLORISTS.

25 Clinton Avenue, N.

Rochester Phone 506. Long Dis. Bell Phone 118

## St. Paul, Minn.

L. L. MAY & CO.

Order your flowers for delivery  
in this section from the

## LEADING FLORISTS OF THE NORTHWEST.

### Anderson, S. C.

THE ANDERSON FLORAL CO.  
533 MARSHALL AVE.

### MICHIGAN.

Orders will be carefully  
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

GEO. A. HEINL, Leading Florist,  
TOLEDO, OHIO  
All Orders Promptly Executed.

### New Orleans.

Decoration day cuts a small figure down here. June 3 is the day observed here, but only the soldiers' graves receive attention and then only by means of flags and a few greens, perhaps. Bouquets are placed on a majority of the ordinary graves by friends or relatives of the deceased at least every week, so that Decoration day is only recognized as it was intended at the first, viz., a day set apart to decorate the tombs of the old soldiers who fell in the war. Outdoor flowers are rather scarce now and it has been quite a scramble to get decent stock to make up the many funeral designs of the past week. Two or three fashionable weddings this week used up quite a lot of orchids, fine roses and decorative plants. The

## New York.

Established 1874.

DARDS

N. E. Corner 44th St.  
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

grower who has Cochet roses under glass is finding no trouble in disposing of them at good prices.

### NOTES.

Louis Buchner has his new grounds on S. Rampart street in fine shape. A large space is devoted to chrysanthemums and roses in the open and the balance is filled with hardy palms, privet, etc., for which he has a good demand.

J. A. Newsham has returned from the big orchid show at Boston, particularly impressed with the way Cattleya gigas is flowered by the different growers.

The Metairie Ridge Nursery Co. has demolished several of the old houses and replaced them with up-to-date structures.

Mrs. Rehm on Napoleon avenue is making extensive improvements on her place.

U. J. Virgin reports an exceedingly brisk week in weddings and funeral work.

### Nashville.

The trade has been quite active here during the past week. The school commencements, of which there were a large number, called for the best and finest of flowers. American Beauties, which were in fine shape, were prime favorites with the graduates, and there was a good sale on them. The growers were fortunate in having a very fine cut and the price realized was good, but not fancy. The Ascension lilies were abundant, outdoor grown, but the growers had a good supply of Easter lilies also, and these divided favor with the Beauties. Peonies were also just in time for the commencement season. We had two decoration days the past week. The national day, May 30, was celebrated at the National cemetery, five miles from the city on the Gallatin road. There were orations, and a flag and flowers placed on every grave. On Friday, June 3, the Daughters of the Confederacy decorated confederate circle in Mount Olivet cemetery. A profusion of flowers, in fact, wagonloads were carried out and put upon the graves of the old soldiers.

Geny Bros. had quite a misfortune in the hailstorm of last Sunday. The hail, which fell very unexpectedly, and of which there was absolutely no warning, peppered the glass, breaking 1,200 lights. Mr. Geny stood up on his porch and witnessed with dismay the destruction. The path of the storm was very narrow and the Geny Bros. were the only ones who suffered damage. Some hail fell at McIntyre's, but the stones were smaller and did no damage. For a few moments in the

## Cleveland, O.

The Cleveland Cut  
Flower Co.

Will fill your orders for designs and cut flowers in  
NORTHERN OHIO.

Mention the American Florist when writing

## Dayton, O.

Matthews,

—FLORIST—

16 W. 3rd Street.

Flowers in any arrangement for all occasions,  
for Dayton and vicinity. Long dis. Phones

Mention the American Florist when writing

## St. Paul, Minn.

HOLM & OLSON,  
ST. PAUL

The Leading Florists of the Northwest

Orders will be well cared for anywhere in  
MINNESOTA AND THE DAKOTAS.

Mention the American Florist when writing

## Los Angeles, Calif.

J. W. Wolfskill,  
FLORIST,

Telegraph Orders  
A Specialty,

218 W. 4th St

Mention the American Florist when writing

## Toronto, Can.

Canada's best known and most reliable florist

Only  
the  
Best  
Dunlop's  
96 Yonge Street.

We deliver anywhere in Canada and guarantee  
safe arrival.

Mention the American Florist when writing

## Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or  
cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

## Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

Mention the American Florist when writing

## Pittsburg, Pa.

H. L. BLIND & BROS.,

Two Stores: Liberty Av. & 5th St., 5424 Center Av.  
Greenhouses: West View.

Mention the American Florist when writing

central part of the city the storm was furious. Many gardens were badly cut up. In the center of the city the tree leaves were cut off and nearly covered the pavement beneath them with a carpet of green. M. C. D.



# DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Kansas City, Mo.

**WILLIAM L. ROCK,**  
Flower Co.,

Will carefully execute orders for  
Kansas City and any town in  
Missouri, Kansas or Oklahoma.

St. Louis, Mo.

Write, Wire or Phone Your Orders to

**YOUNGS**

1406 Olive Street,

Regular discount allowed on all orders, either  
Plants or Cut Flowers.

Phones Bell, Main 2306, Kinloch, Central 4981

Mention the American Florist when writing

New York.

Established 1849

**David Clarke's Sons**

FLORAL DECORATORS

2139-2141 Broadway

Telephones:

1552-1553 Columbus.

Choice Cut Flowers

Lansing, Mich.

**Gurdon B. Smith**

Covers all Points in Michigan. Best of  
Shipping Facilities in all Directions.  
Always has the best of Everything.

Kansas City, Mo.

**Samuel Murray**

..... FLORIST .....

1017 Broadway Coates House

Both Phones 2670 Main. Conservatory

Write, Telephone  
or Telegraph.

All orders given prompt  
attention.

Louisville, Ky.

Established 1880.

**M. D. REIMERS**

"Successor to Chas. W. Reimers.

..... 329 Fourth Avenue

Salt Lake City, Utah.

The cut flower business was never so good at this time of the year as it is at present. The demand was exceptionally heavy for Memorial day, and for the first time for several years the supply was equal to it and both grower and retailer had a harvest. The outlook for June is very promising with the school graduations and weddings in sight. The Salt Lake Floral Co. is sending out some good carnations and roses for this time of the year. Peonies are at their best. Sweet peas are coming in plentifully. The time has arrived for repairing benches and preparing for next season, and a crew of men can be found at each place emptying benches and

Detroit, Mich.

**John Breitmeyer's Sons**

Corner Miami and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Mention the American Florist when writing

refilling same. Carnations, chrysanthemums and roses are being planted.

The Salt Lake Floral Co. has proven beyond a doubt that roses can be grown in Utah. Mr. Adams does not say much, but he can produce the goods. D. E. Law has sold his interest in this company to Wm. Wilson. Mr. Wilson will continue the business under the old name, D. E. Law retiring from the business for the present.

Robt. Miller has started on his new range of three houses north of the city. There will be no need of shipping roses here when Mr. Miller gets his new houses working full time.

UINTA.

Toronto.

GOOD BUSINESS.

Wedding decorations, funeral work and good general business have kept all on the jump. The continued cold weather keeps the supply of flowers so short that they are used up continually and not in any variety is there an over-production. Roses are in excellent quality and it is a pleasure to handle the specimen blooms which arrive; the cut is generally good, except in American Beauty, which has been scarce all season. Carnations in quality are the best and fairly plentiful, enough to fill orders, though in the cheaper grades the cut rate stores find a difficulty in getting stock. Elegant lilac is now coming in and a few belated Easter lilies of good quality are still hanging on, though storage stock is again arriving. Outdoor valley and the first peonies are here, which will soon fill the market to overflowing. There has been a decided shortage in Boston ferns and the continued high prices of palms increases the demand.

NOTES.

The members of the Gardeners' and Florists' Club were the guests of Sir Henry Pellat, where Mr. McVittie, the head gardener, had everything spic and span. It is always a treat to visit at these well conducted conservatories and favorable comments were not lacking. Impromptu speeches were given and a hearty vote of thanks for the invitation and refreshments.

Tom Manton is as usual at this season up to his neck with work but the glad hand and broad smile is still there; several good palm orders from private places and a good supply of plants help the cheerfulness.

The bedding season is now in full swing and some very creditable arrangements are seen. Wm. Jay & Son report the best season ever and find it difficult to secure stock enough for orders.

The Dale Estate, Brampton, ever enterprising, has installed a city phone,



Albany, N. Y.

**EYRES,**

Flowers or Design Work.

Delivered in Albany and Vicinity on  
Telegraphic Order.

11 NORTH PEARL STREET.

Mention the American Florist when writing

Boston, Mass.

Send flower orders for delivery in

**Boston and all  
New England Points**

To THOS. F. GALVIN, Inc.,  
124 TREMONT ST.

THE J. M. GASSER COMPANY,

**CLEVELAND, O.**

We Cover All Points in Ohio.

Mention the American Florist when writing

Buffalo, N. Y.

**Palmer's** Flowers  
of Quality

W. J. Palmer & Son.

304 Main St.

Mention the American Florist when writing

Louisville, Ky.

**JACOB SCHULZ,**

550 So. Fourth Avenue.

Colorado Springs, Colo.

**FRANK F. CRUMP,**

Wholesale and Retail Florist.

and, as it is no longer necessary for us to produce 25 cents before talking, our conversation is at shorter intervals.

Frank Duffort is early with his peonies, having the first. Myosotis has been a good seller with him and he had plenty of it.

Grobba & Wandrey are receiving their fifth car of bays. They practically have a monopoly on these in this section.

The Bedford Park Floral Co. has planted its new house and will soon be cutting roses from the young stock.

J. S. Simmons has an automobile for delivery purposes, which proves an elegant advertisement for him.

H. G. D.



## The Seed Trade.

### American Seed Trade Association.

J. C. Robinson, Waterloo, Neb., Pres.; M. H. Duryea, New York, First Vice-Pres.; F. W. Bolgiano, Washington, D.C., Second Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.; Leonard H. Vaughan, Chicago, Asst. Sec'y. Twenty-eighth annual convention, at Atlantic City, N. J., June 21-23, 1910.

THE growing crop of onion sets around Chicago is looking well, the cool weather having been favorable to it.

CHICAGO.—Contract prices on the board of trade June 8 for grass seed were noted as follows: Timothy, \$4.45 to \$4.50, nominal. White clover, from 20 cents to 25 cents.

W. S. WOODRUFF and wife, Orange, Conn., and T. R. Blakeslee and wife, New Haven, sailed June 2 from New York on the S. S. Arabic of the White Star line for a two months' trip to England and the continent.

W. J. FOSGATE, Santa Clara, Calif., writes: "Our seed crops at the present writing look well, with the exception of onion, which shows some mildew. The extent of the damage cannot be estimated until later on."

ONE of our correspondents recently reported poor prospects for the sweet pea crop. We have another report confirmatory in this direction saying that the very hot spell during the four last days in May has injured many fields of sweet peas and possibly other crops.

J. M. LUPTON, Mattituck, N. Y., writes: "The cabbage seed crop can hardly be expected to fully supply the demand, but we hope to make fair deliveries on our contract on most varieties. Danish Ballhead will be a failure, as it has nearly all rotted away, and the growth on many fields is not satisfactory, but taking the situation altogether there is now a prospect for a moderate crop of most important varieties."

At a meeting of the Western Seedsmen's Association in Omaha, May 27, a preliminary price list was adopted and it was agreed that after January 1, 1911, the terms of payment in seed stocks be made 60 days from date of invoice, less 2 per cent for cash in 10 days, instead of the present custom of June 1 terms. The association also went on record as insisting strongly that growers maintain the correct dif-

ference in their selling prices between single bushel and single pound lots and larger lots and that they do not bill single lots at the 10-bushel or 10-pound rate.

### American Seed Trade Association.

#### INTERESTING TO WESTERN MEMBERS.

For the accommodation of the western and northwestern members of the American Seed Trade Association, the Pennsylvania lines will furnish special cars from Chicago to Atlantic City for the convention provid-



He's Coming Back.

—Chicago Tribune.

ing at least 25 take the trip. In any event ample accommodations will be furnished for a smaller party.

Special rates are now in force: 30-day limit round trip to Atlantic City, with stop-over at Pittsburg, Washington, Baltimore and Philadelphia, for \$26. The most desirable train is the Pennsylvania Limited, leaving Chicago at 5:30 p. m., Sunday, June 19, arriving at Atlantic City, Tuesday at 5:30 p. m. An extra fare of \$4 is charged for this train. Reservations may be made by addressing: C. L. Kimball, A. G. P. A., Pennsylvania R. R., Chicago, or L. H. Vaughan, 84 Randolph street, Chicago.

### Connecticut Seed Crops.

S. D. Woodruff & Sons write: "The present outlook for seed crops in Connecticut is quite favorable. Beet and onion never looked better at this date, especially beet. We have a larger acreage of turnip than usual, and this also looks exceedingly well. We have

growing on our own farms the largest acreage in years of turnip, as well as kale, both of which promise at this writing an abundant crop. We have had excessive moisture, but the season is 10 days ahead of the normal, and with fairly favorable weather from this out the above crops should show an abundant harvest. The stand of sweet corn is fairly good, and first cultivating is now in progress. Probably not in years have the seedsmen in Connecticut been so closely sold out of stocks as they are at the present time, warehouses are almost absolutely empty, and it will take a whopper crop in all lines to make things easy again."

### Michigan Seed Crops.

The Everett B. Clark Seed Co., Milford, Conn., writes: "The superintendent of our Michigan branch reports that through his territory there was a period of weather unfavorable to the crop of peas about May 15, with freezing weather at night and cold winds during the day. Peas, however, are better able to withstand such conditions than drought and heat in the later stages of the crop, and we do not believe that serious damage was done to the crop by the unfavorable conditions above referred to. In May we had a report from East Jordan of a nice rain, preceded also by an equally good rain the week previous, and crops seemed to be coming along nicely."

### Wisconsin Seed Crops.

The Everett B. Clark Seed Co., Milford, Conn., writes: "From both of our growing stations in Wisconsin we have favorable reports. The Door county section was not affected by the so-called April blizzard, our farmers in that section having had sufficient experience to guard them against seeding early, to which the unusually fine weather in March tempted growers in many sections. However, although our representative had anticipated some injury to crops in his territory outside of the Door county section, he has been able to report to us now that he believes the damage to have been very small—very much less indeed than one would have supposed. In fact, he has been able to learn of hardly more than two or three crops—one of Everbearing and one of Ameer—that have been seriously injured by the April storm, and he gives us a very encouraging report as to present conditions, the weather since the storm having been as favorable as one could ask, providing frequent rains with moderately cool weather."

### Notes from Hollister, Calif.

The Pieters-Wheeler Seed Co. writes: "We have had some very hot weather the last few days, which has probably hastened the maturing of sweet peas, which are now in full bloom, but has not injured them to any appreciable extent. On the other hand the warm clear weather has completely checked the mildew which appeared on the early stalks of onions; the later stalks appear quite free from the disease, and if there are no further attacks we

## Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

## Pieters-Wheeler Seed Company

Growers of  
High Grade  
SEED

Hollister,  
California



Onion,  
Lettuce,  
Radish,  
Sweet Peas,  
Etc.

Correspondence  
Solicited.

C. C. MORSE & CO.  
WHOLESALE SEED GROWERS  
SAN FRANCISCO CALIFORNIA





High-class Seeds, Bulbs, Plants, Shrubs and Nursery Stock.

“BUDS”

CARL R. GLOECKNER, President,  
76 Barclay St., NEW YORK CITY  
COLD STORAGE LILY OF THE VALLEY PIPS  
\$12.50 per 1000 in cases of 2000 only.  
Finest German, not Dutch grown. Ready now.  
For Fall Delivery 1910  
Our own imports from Japan.  
Per 1000  
Lilium Longiflorum Multiflorum, 7-9.....\$50.00  
Giganteum, 7-9..... 65.00  
Formosum, 7-9..... 65.00  
F. O. B. New York.

should harvest a nice crop. Radish is in full bloom and setting well. Most kinds of lettuce are now sending up seed stalks and promise a good crop. We have had as visitors this week, W. Atlee Burpee and Howard M. Earl of Philadelphia, Pa., and F. B. Mills of Rose Hill, N. Y.”

Seed and Paper Designs.  
Dr. Landmann, of Wandlitz, Berlin, Germany, sends us samples of an invention of his prepared to facilitate the planting of seeds in designs on flower beds, window boxes, etc. They consist of specially prepared paper with seeds adhering to it in various designs and of course any design could be prepared. There are sure to be some amateur gardeners who would take to a thing of this sort, and a demand might possibly be worked up, but we are doubtful whether the doctor will make his fortune with it.

Imports.  
During the week ending June 4 imports were received at New York as follows:  
McHutchison & Co., 22 tubs laurel trees, 8 cases plants.  
Julius Roehrs Co., 16 cases plants, 3 cases orchids.  
H. Nungesser & Co., 45 bags alfalfa seed.  
H. Frank Darrow, 4 cases plants.  
Vaughan's Seed Store, 3 cases plants.  
To others: 140 bags seed, 94 tubs laurel trees, 20 cases plants.

BOSTON, MASS.—Cards are out for the wedding reception of Mary Florence Pettigrew, daughter of John A. Pettigrew and wife, and Geo. Wright Hinckley, Saturday, June 18.

TO THE TRADE  
**HENRY METTE, Quedlinburg, Germany.**  
GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)  
**Specialties:** Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.  
**HENRY METTE'S TRIUMPH OF THE GIANT PANSIES**, (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., \$1.50 per ¼-oz., 75c per 1-16 oz, postage paid. Cash with order.  
All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.  
**ALSO GROW LARGELY SEEDS ON CONTRACT.**

**L. DÆHNFELDT, Odense, Denmark**  
Most Important Seed Grower in Scandinavia (5,000 acres).  
(Established 1850.) My specialties for export are  
**Dwarf Erfurt Cauliflower and Cabbage Danish Ballhead**  
Send me for delivery after harvest a trial order, and you will in future be my constant customer.  
Prices and Catalogue sent on application.

—FOR—  
**SEEDS**  
OF ALL KINDS APPLY TO  
**W. W. JOHNSON & SON, Limited,**  
Boston, England.

**BURPEE'S SEEDS PHILADELPHIA**  
Wholesale Price List for Florists and Market Gardeners.

**The Everett B. Clark Seed Co.**  
Growers for the Trade  
Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.  
Branches: Michigan and Wisconsin. **MILFORD, CONN.**  
Yonkers, N. Y.

The regular meeting of the Horticultural Society was held in Wiggins' hall, June 3, with a large number present and President Bennett in the chair. The regular routine of business being gone through with, the president appointed the following as judges of the peony exhibit: L. Whitman, J. Goff and M. Knapper. As the competition was very close the judges were a long time deciding, but finally decided in the following way: R. Cochrane, first; J. Campbell, second; W. Habach, third.  
W. H. Waite had some very fine muskmelons on exhibition and was awarded a cultural certificate. After the judging, a discussion was taken part in by several of the members telling how they grew peonies. H. Nichols read a very able and instructive paper on "Calceolarias," and fully explained how to grow these very interesting and beautiful plants. The executive committee reported on the June show and said all arrangements were now made to hold it on June 17, afternoon and evening, in Hollywood Inn. Louis Mililot has been appointed show manager and will make a good one, being a hustler. The secretary of the committee is W. H. Waite, superintendent of the Greystone gardens, and anyone wishing schedules or entry blanks can get them by applying to him.

L. W.

**Freeseias**  
BERMUDA WHITE.  
Due 18th. Per 1000  
Mammoth, 1 ½ to 3 ¼-in. \$9.00  
Choice, ¾ to 1 ½-in. 7.50  
Write for samples.  
**VAUGHAN'S SEED STORE,**  
Chicago. New York.

**Waldo Rohnert**  
GILROY, CAL.  
Wholesale Seed Grower  
Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena, in variety.  
Correspondence solicited.

**S. M. Isbell & Co.,**  
Jackson, Mich.  
CONTRACT SEED GROWERS,  
Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.  
Correspondence solicited.

**QUALITY SEED BULBS PLANTS**  
SEND FOR CATALOGUE  
**ARTHUR T. BODDINGTON**  
342 West 14th St., New York.

**John Bodger & Sons Co.**  
Gardena, Calif.  
Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.

**Telegraph Code**  
**Am. Seed Trade Association**  
—\$2.00—  
In either stiff or flexible cover. Address orders  
**AMERICAN FLORIST CO., CHICAGO.**



## Market Gardeners

### Greenhouse Vegetable Growers and Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President;  
Franklin DeKleine, Grand Rapids, Mich.,  
Vice-President; S. W. Severance, 508 Illi-  
nois Life Building, Louisville, Ky., Secre-  
tary; M. L. Ruetenik, Cleveland, O., Treas.

H. J. MITTING, Holland, Mich., reports a probable scarcity of large fruits in his section but says the berry crop will be large.

CHICAGO.—This has been a busy week on the market though cucumbers and lettuce are about the only home-grown produce to be had. Celery is scarce, the Bermuda grown bringing \$8 to \$9 per case of 7 dozen. The second case of Florida watermelons arrived June 4 and Texas peaches came in for the first time the same day. Raspberries are also among the recent arrivals.

### Marketing.

Marketmen agree that the most difficult part of the business is the selling end, not the producing end. There are certainly troubles enough at the growing end of gardening, but when it comes to the selling end they are really subordinate. The selling is the most important part of the business and wants the closest attention. By this we do not mean, however, that the salesman deserves all the credit, which he sometimes claims, for no salesman can do much with inferior goods. Superior goods are easily sold, hence the two sides of the business must work hand in hand.

The greatest difficulty is found in the ever-changing market. Goods may be almost worthless one day and of fabulous value the next and vice versa. A day's neglect to push a crop to market may mean almost a total loss; on the other hand premature cutting and marketing may reduce crop value one-half. Still further, we may injure trade by selling immature or over-ripe stock, which injury may be immediate or slow to appear. We may congratulate ourselves on having made a good drive when in fact it might be better not to have sold the goods. This refers especially to selling unripe or blighted melons. We will illustrate with a few examples.

A noted greenhouse tomato grower, expecting the visit of a friend from some distance, and desiring to make as good a show as he could, instructed his men to pick lightly on Friday, so as to have a fine show for Sunday. In the meantime outdoor tomatoes came into market declining the price from \$6 per bushel to \$1.50. This incident cost this man several hundred dollars.

By the use of nitrate of soda on young spinach we succeeded in being first in our market. The first cutting was eagerly picked up at 75 cents per bushel, but owing to rainy weather we did not push the marketing the way we should. Inside of two days the glut came on with a price of 25 cents and no demand.

Greenhouse lettuce was selling at 15 cents per pound in May. One grower had a fine crop on, but his plants were too small to suit him. They averaged

four ounces each, while he figured they would gain in weight in a few days, so he held back. The result was outdoor lettuce came in owing to a nice rain and several warm nights and his last crop was worthless—would not sell at five cents.

Head lettuce cut immature proved a drug on the market, while if allowed to head up properly in another week would have realized 60 cents per dozen.

Such instances could be cited without limit. The successful man watches his chances closely and at the critical moment pushes his goods. He knows how to produce, when to sell, and also where to sell. An old motto is: "Sold and regretted is not nearly as bad as unsold and regretted."

MARKETMAN.

### Packing and Shipping Vegetables.

All fruits and vegetables should be packed and shipped in standard crates and boxes, as we will describe below, says the Southern Shipper. The advantages of using standard boxes are many. The respective sizes are best adapted to carry the different products; the standard boxes conform best with the standard weights as adopted by the railroad commission. The buyer then knows what he is buying, and the different sizes are more easily handled by express and railroad companies.

Snap Beans.—As soon as beans attain full size and the seed is about one-half matured in the pod, they should be picked; if picked before they will shrivel up and become unsaleable, if too old, too tough for use. Picking should be done every other day. Beans carry best in one-third bushel boxes or one-half bushel baskets. The express companies must take 10 one-third bushel boxes for 100 pounds.

Beets.—Beets with tops left on should be tied in bunches from three to six beets in each bunch and packed in sugar or flour barrels. The express companies must take the sugar barrels at 110 pounds and the flour barrels at 90 pounds.

Cucumbers.—After cucumbers have attained nearly their full growth they should be pulled from the vines and taken to the packing shed for assortment, discarding any which show the slightest color of yellow. For express shipments pack in one-third bushel boxes, which hold from two to three dozen. The third bushel boxes go by express at 15 pounds each. For car lot shipment we prefer the one bushel boxes containing about eight dozen each. Bushel boxes of cucumbers go by express for 40 pounds, and 50 pounds by freight. Four hundred bushels will make a car load of 20,000 pounds. All markets both state and interstate, are good on cucumbers early in the season and when properly packed and shipped cucumbers are a profitable crop.

Cauliflower.—Cauliflower should be cut when full grown, with a few of the leaves left on, then packed nicely in layers in crates 12 x 12 x 24, which go at 25 pounds and ship in crates or barrels. Cauliflower will go at the same weight as cabbage. It is advisable to make the number of dozen heads on crates or barrels.

Lettuce.—Lettuce should be cut while still tender and packed in barrels with cracked ice. Throughout the winter and spring months lettuce is in good demand at from 40 cents to \$1 per dozen heads, according to the supply. Lettuce packed in flour barrels goes by express at 60 pounds.

Watermelons.—Watermelons must be shipped in car lots only, no ice being required for watermelons. The

## Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE \$1.10

**AMERICAN FLORIST CO.,**  
324 Dearborn St., Chicago.



Watch for our Trade Mark stamped on every brick of Lambert's

**Pure Culture Mushroom Spawn**

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

growers of Hempstead who also make a specialty of shipping watermelons, first place a layer of hay or straw in the bottom of the car, then fill the car about half full. They also carefully assort the melons as to size and furnish the buyers with just the size they want.

### Prices of Indoor Fruits and Vegetables.

New York, June 6.—Mushrooms, \$1.12½ per pound; cucumbers, 40 cents per dozen; lettuce, cold frame, 50 cents per dozen heads; tomatoes 12½ cents per pound; grapes, Hamburgs, imported, \$1.10 per pound; Hamburgs, domestic, \$1 per pound; Gros Colman, \$1.25 per pound; Muscats, \$1.65 per pound; peaches, English, \$5 per dozen; Belgian, \$7 per dozen; nectarines, \$7 per dozen; Florida watermelons, \$1 each.

Chicago, June 8.—Mushrooms, 40 cents to 50 cents per pound; cucumbers 40 cents per dozen; leaf lettuce, 20-22 cents per box; head lettuce, home-grown, 75 cents per tub; wax beans, 75 cents to \$1.25 per box; tomatoes, \$2-\$2.25 per crate.

### Canadian Customs Regulations.

Revised regulations under the Destructive Insects and Pest act of Canada were issued on May 11, 1910. Collectors of customs are instructed to detain all articles which do not comply with the requirements of law and to notify the importer that, unless re-exported, the articles will be destroyed. The new regulations are as follows:

No plant, or other vegetation or vegetable matter infested with any of the insects, pests or diseases to which this act applies shall be imported into Canada except as hereinafter provided.

Nursery stock, including trees, shrubs, plants, vines, grafts, scions, cuttings or buds, entering Canada shall be imported only through the ports and during the periods respectively hereinafter mentioned, that is to say:

Vancouver, British Columbia, and Niagara Falls, Ontario, from October 1 to May 1.

Winnipeg, Manitoba, and St. John, New Brunswick, from March 15 to May 15, and from October 7 to December 7.

Windsor, Ontario, and St. Johns, Quebec, from March 15 to May 15, and from September 26 to December 7.

At these points of entry the importations shall be fumigated in the fumi-



gation houses provided for that purpose, and a certificate of fumigation will be issued, without which no stock may be taken out of bond. Importations by mail shall be subject to the same regulations. Provided, however, that the following vegetation shall be exempt from fumigation: (a) Greenhouse plants, with the exception of roses and other woody plants; (b) herbaceous perennials (the stems of which die down in winter), such as perennial phlox, peonies, sunflowers, etc.; (c) herbaceous bedding plants (such as geraniums, verbenas, pansies, etc.); (d) bulbs and tubers (such as hyacinths, lilies, narcissi, and other true bulbs, and also the tubers of dahlias, irises, etc.); (e) nursery stock originating in Europe.

Cottonwood or necklace poplar (*Populus deltoides*) when shipped from and grown in Dakota or Minnesota, two of the United States of America, may be admitted at the customs ports of Brandon or Winnipeg, Manitoba, and without fumigation.

The port by which it is intended that the nursery stock shall enter shall be clearly stated on each package, and all shipments made in accordance with these regulations will be entirely at the risk of the shippers or consignees, the government assuming no responsibility whatever.

All persons importing nursery stock into Canada shall give notice to the minister of agriculture within five days of dispatching the order for the same, and they shall again notify the minister on the arrival of the shipment in Canada.

Notice shall also be given to the minister by all transportation companies, customs-house brokers, and other persons importing or bringing nursery stock into Canada immediately such a consignment is received by them. Such notice shall include the name of the consignor and the consignee, the points of origin and destination, the name of the company carrying the nursery stock, as well as the nature, quantity and origin of the same.

European nursery stock, and such other imported vegetation or vegetable matter as the minister may determine, entering Canada may be allowed to proceed and shall be inspected at the point of destination, but must not be unpacked except in the presence of an inspector.

If, on inspection, nursery stock or other vegetation or vegetable matter is found to be infested with any of the insects, pests, or diseases hereinafter specified it shall be destroyed to the extent deemed necessary by the inspector and in his presence. All cases, packages, and packing in which stock has been contained shall also be destroyed in the same manner.

Any inspector entering any lands, nursery, or other premises where there is reason to believe that any of the insects, pests, or diseases hereinafter specified are or may be present shall give instructions for the treatment or destruction of any tree, bush, crop, or other vegetation or vegetable matter or the containers thereof, which may be found or suspected to be infested with any of the insects, pests, or diseases hereinafter specified, and such instructions shall be carried out by the owner or the lessee of the infested or suspected vegetation, vegetable matter, or containers thereof, and such remedial treatment shall be carried out and continued until the insect, pest, or disease shall be deemed by the inspector to have been exterminated.

Compensation not exceeding two-thirds of the value as assessed by the inspector of the vegetation or vegeta-

# Bay Trees



We have just received four carloads of fine shapely trees in the following sizes:

### Standard or Tree Shaped.

| Stem about | Crown.    | Each.   | Stem about | Crown.    | Each.   |
|------------|-----------|---------|------------|-----------|---------|
| 42-46 in.  | 24 in.... | \$ 6.75 | 45-48 in.  | 30 in.... | \$10.00 |
| 45-48 in.  | 26 in.... | 7.50    | 46-54 in.  | 34 in.... | 12.00   |
| 46-50 in.  | 28 in.... | 8.00    | 46-53 in.  | 40 in.... | 15.00   |

### Dwarf Standards.

| Total Height. | Crown.           | Each.  |
|---------------|------------------|--------|
| 4 to 5 feet.  | 24 to 26 in..... | \$7.50 |

### Pyramid Shaped.

| Height.   | Base.            | Each.   |
|-----------|------------------|---------|
| 5 ft.     | 24 to 26 in..... | \$ 8.00 |
| 6 ft.     | 26 to 28 in..... | 10.00   |
| 6 1/2 ft. | 28 to 30 in..... | 12.00   |

## BOX TREES

If wanted out of tubs we allow 10 per cent discount

### Standard or Tree Shaped.

| Crown.           | Each.  | Pair.   |
|------------------|--------|---------|
| 22 to 26 in..... | \$4.50 | \$ 8.00 |

### Bush Shaped.

These do not come in tubs.

| Height.          | Each.  | Doz.   | 100     |
|------------------|--------|--------|---------|
| 10 to 12 in..... | \$0.30 | \$3.00 | \$20.00 |

### Bush Shaped.

These do not come in tubs.

| Height.               | Each.  | Doz.   | 100     |
|-----------------------|--------|--------|---------|
| 12 to 15 in.....      | \$0.35 | \$3.50 | \$25.00 |
| 15 to 18 in., light.. | .40    | 4.00   | 30.00   |
| 15 to 18 in., heavy.  | .45    | 4.50   | 35.00   |
| 20 to 24 in.....      | .75    | 8.00   |         |

**Vaughan's Seed Store**  
WESTERN SPRINGS, ILL.

## WIZARD BRAND Pure Bone Flour

Can't be beat for quick, safe and sure results. Absolutely pure bone ground to an exceedingly fine powder, making it the most rapid liquid or dry top-dressing you can use. Try it and learn something about immediate effects on your bench stock.

|           |   |   |   |   |         |
|-----------|---|---|---|---|---------|
| 125 lbs.  | - | - | - | - | \$ 2.00 |
| 500 lbs.  | - | - | - | - | 8.00    |
| 1000 lbs. | - | - | - | - | 15.00   |
| 2000 lbs. | - | - | - | - | 30.00   |

F. O. B. Chicago. Quick shipment.

**THE PULVERIZED MANURE CO. 35 Union Stock Yards, Chicago**

ble matter or containers thereof destroyed by the instructions of an inspector, shall be granted by the governor in council upon the recommendation of the minister.

It shall be illegal to sell, offer for sale, or in any way dispose of or receive any trees, shrubs, or other plants, vegetable matter, or portions of the same if the same are infested with any of the insects, pests, or diseases hereinafter specified.

The owner, occupier, or lessee of any premises or place, where any of the insects, pests, or diseases specified herein shall be found shall immediately notify the minister, and shall also send to him specimens of such insects, pests, or diseases.

The destructive insects, pests and diseases to which the said act shall apply shall include the following: San

Jose scale (*Aspidiotus perniciosus*), brown-tail moth (*Euproctis chrysorrhæa*), woolly aphid (*Schizoneura lanigera*), West Indian peach scale (*Aulacaspis pentagona*), gypsy moth (*Porthetria Dispar*), potato canker (*Chrysophlyctis endobiotica*), parasitic diseases affecting potatoes externally or internally, branch or stem canker (*Nectria ditissima*), gooseberry mildew (*Sphærotheca mors-uvæ*), white blister rust (*Peridermium Strobi*).

The importation of potatoes into Canada from Newfoundland or the islands of St. Pierre or Miquelon is prohibited.

The minister may, upon special request to that effect, authorize the importation into Canada of any insect, pest, or disease herein specified, but for scientific purposes only.

The regulations made under the San José scale act are repealed.



## The Nursery Trade

### American Association of Nurserymen.

F. H. Stannard, Ottawa, Kans., President;  
W. P. Stark, Louisiana, Mo., Vice-President;  
John Hall, Rochester, N. Y., Sec'y.  
Thirty-fifth annual convention to be held  
at Denver, Colo., June 8-10, 1910.

It is reported that most of the eastern delegates to the Denver convention traveled by way of St. Louis.

THE publication by Cornell University, Ithaca, N. Y., of the "Classification of the Peony" marks the third step in the progress made in clearing up the synonymy and other work with the peony undertaken jointly by the American Peony Society and the Department of Horticulture of the above university. It is a worthy follower to the "Check List" and "The Peony" from the pen of Dr. Coit, the present work being by Leon D. Batchelor who, since Dr. Coit's departure for California in 1903, has been in charge of the peony plots here. A very large number of varieties are described and the book should be written for by all who are in any way interested in the peony.

### American Association of Nurserymen.

#### THE DENVER CONVENTION (BY WIRE.)

The thirty-fifth annual meeting of the American Association of Nurserymen opened at Denver, Colo., June 8. Addresses of welcome were read by Col. J. S. Irby and J. H. Reynolds, followed by President J. H. Stannard's address. The reports of the secretary and treasurer were received, also those of the committees on legislation, entertainment, publicity, forestry and the National Council of Horticulture.

Three hundred dollars was voted for the use of the publicity committee. The following papers were read: "The Part Nurserymen Have Taken in the Growth and Development of the Nation," by J. B. Morey, Dansville, N. Y.; "Co-operation Between Nurserymen and Fruit Growers," by W. L. Howard, secretary of the Missouri State Board of Horticulture; "The Commercial Side of the Nursery Business," by H. W. Marshall, Arlington, Neb.; "Effect of Tree Planting in the Middle West," by Geo. H. Whiting, Yankton, S. D.; "Should a Young Man Choose the Nursery Business for a vocation?" by A. Willis, Ottawa, Kans.; "Development of the Fruit Industry in Colorado," by H. G. Wolff, Denver, Colo.; "Magnifying Our Craft," by E. W. Kirkpatrick, McKinney, Tex.; "The Influence of California's Horticultural Development on the Nursery Business," by George C. Roeding, Fresno, Calif.

The following were noted among the early visitors: J. H. Stannard, Ottawa, Kans.; C. L. Watrous, Des Moines, Ia.; J. W. Hill, Des Moines, Ia.; T. V. Munson, Denison, Tex.; S. H. Kerr, Sherman, Tex.; C. A. Ilgenfritz, Monroe, Mich.; George H. Whiting, Yankton, S. D.; R. J. Coe, Ft. Atkinson, Wis.; J. H. Chase, Derry, N. H.; W. P. Stark, Louisiana, Mo.; J. H. Dayton, Dayton, N. M.; E. W. Kirkpatrick, McKinney, Tex.; H. P. Kelsey, Salem, Mass.; W. C. Reed, Vincennes, Ind.; R. C. Simpson, Vin-

# A BLUE ROSE

## The Greatest Rose Novelty of the Century

*It flowered with us this season and was greatly admired.*

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

*Send for description and price.*

**ELLWANGER & BARRY**

Mount Hope Nurseries

ROCHESTER, N. Y.

## ROSES Our Leading Specialty

Also Azaleas, Rhododendrons, Conifers, Fancy Clipped Boxwoods, Forest and Fruit Trees, Hedge Plants, Etc  
Ask for Wholesale Price Lists.

**S. A. VOSTERS & SONS,**

**RIEL, HOLLAND.**

cennes, Ind.; L. H. Dintleman, Belleville, Ill.; J. Horace McFarland, Harrisburg, Pa.; C. L. Yates, Rochester, N. Y.; Geo. S. Josselyn, Fredonia, N. Y.; C. W. McNair, Dansville, N. Y.; J. M. Irvine, St. Joseph, Mo.; Prof. John Craig, Ithaca, N. Y.; A. Willis, Ottawa, Kans.; C. S. Harrison, York, Neb.; H. W. Marshall, Arlington, Neb.; H. C. Wolff, Denver, Colo.; George C. Roeding, Fresno, Calif.; J. B. Morey, Dansville, N. Y.; E. M. Sherman, Charles City, Ia.; Peter Youngers, Geneva, Neb.; E. A. Smith, Lake City, Minn.; Prof. E. P. Taylor, Grand Junction, Colo.; E. P. Bernardin, Parsons, Kans.; W. N. Scarff, New Carlisle, O.; J. C. Van Lindley, Pomona, N. C.

The following is the financial report of Secretary John Hall, Rochester, N. Y. There will be other receipts for membership and advertisements as soon as all are collected:

#### RECEIPTS.

|                                              |                   |
|----------------------------------------------|-------------------|
| Nov. 11, 1909—Bal. from Geo. C. Seager. .... | \$ 26.75          |
| Memberships for 1910.....                    | 1,695.00          |
| Advs. in badge book.....                     | 596.60            |
| Extra badges and books.....                  | 17.50             |
| Exchange on checks.....                      | 3.95              |
| Sales of codes.....                          | .50               |
|                                              | <b>\$2,340.30</b> |

#### DISBURSEMENTS.

|                                                                                                                                                                                                                                                         |            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| June 1, 1910—C. L. Yates, Treas. ....                                                                                                                                                                                                                   | \$2,340.30 |
| The report of Treasurer C. L. Yates, from June 10, 1909, to June 4, 1910, followed showing expenditures of \$2,448.03 and receipts of \$2,787.84. This with the balance on hand June 10, 1909, of \$3,853.79, left a cash balance June 1 of \$4,153.60. |            |

### Peony Society's Meeting Postponed.

Owing to the continued cool weather it has been found necessary to postpone the meeting of the American Peony Society to Tuesday and Wednesday, June 14-15.

A. H. FEWKES, Sec'y.

### Cranberry Bill Signed.

Wareham, Mass., May 25.—The bill for the appropriation of \$15,000 for the purpose of conducting experiments for the benefit of cranberry growers has passed all stages of enactment and was signed by Governor Draper.

## A GOOD INVESTMENT

Evansville, Ind., Feb. 18, 1910.

AMERICAN FLORIST CO.

Chicago.

DEAR SIR:—I am using your Trade Directory and out of 4000 nurserymen we circularized only two circulars came back. I am enclosing these names as you may want to make the changes.

A. J. LOCKYEAR.

New Edition Now Ready—Price \$3.00.

## JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture

### The Horticultural Society of New York.

A meeting of the Horticultural Society of New York was held at the Museum building, New York Botanical Garden, June 4. At this meeting 26 new members were elected, seven of which were life members, the remainder annual members. This is most encouraging progress, and it is hoped that the increase in membership may be kept up. All that is needed is a large membership to make horticulture an important element in New York. Let all join the society, and this result will soon be accomplished. The meeting of the society was followed by a lecture by Dr. H. L. Britton, on "Summer Flowers." The lecture was illustrated with colored lantern slides.

The important feature of the meeting, however, was the summer exhibition given in connection with it. This was open on Saturday afternoon, from 2 to 6, and on the next day, Sunday, from 10 to 3. There was a large attendance on Saturday, and also on Sunday, in spite of the inclemency of the weather. A bright day would have insured a large crowd. The exhibitions of the society are becoming more and more popular and well known, and the feature of holding them on a Sunday seems to be fully appreciated by flower





# Bobbink & Atkins

World's Choicest Nursery and  
Greenhouse Products

**Bay Trees, Boxwood,  
Evergreens and Conifers,  
Rhododendrons and Herbaceous  
Plants, Kentias and Phoenix.**

We have a large quantity of all this stock. We  
shall be glad to give special prices on any  
quantity \* \* \* \* \*

**Young Rubber Plants,** 2 1-2 inch pots, \$15.00 per 100.  
Order early. Limited Quantity.

**Nurserymen  
and Florists**

**Rutherford, N. J.**

**NEW BERRY, HIMALAYA GIANT**  
- Berry Catalogue free with Colored plates  
Berrydale Experiment Gardens, Holland, Mich

lovers. The following list of premiums  
was awarded:

#### Peonies.

Three white varieties, six flowers of each.—  
Geo. H. Peterson, Fair Lawn, N. J., first;  
F. R. Pierson Co., Tarrytown, N. Y., second.  
Three light pink varieties, six flowers of  
each.—Geo. H. Peterson, Fair Lawn, N. J.,  
first; T. A. Havemeyer, Hempstead, N. Y.,  
(gardener Albert Lahodny), second.  
Three rose varieties, six flowers of each.—  
Geo. H. Peterson, first; F. R. Pierson Co.,  
second.  
Three crimson varieties, six flowers of each.  
—Geo. H. Peterson, first.  
Collection of singles, three flowers of each.  
—T. A. Havemeyer, first.  
Largest and finest collection, not less than  
six flowers of each variety.—Geo. H. Peterson,  
first; F. R. Pierson Co., second.

#### Miscellaneous.

Collection of hardy roses.—Mrs. F. A. Con-  
stable, Mamaroneck, N. Y. (gardener James  
Stuart), first; F. R. Pierson Co., second.  
Collection of hardy flowering shrubs and  
trees.—E. H. Weatherbee, Mamaroneck, N. Y.  
(gardener, Francis Milne), first; T. A. Havemeyer,  
second.  
Collection of hardy rhododendrons and azaleas,  
or either.—T. A. Havemeyer, first; F. R. Pierson  
Co., second.  
Collection of hardy herbaceous plants.—  
Bobbink & Atkins, Rutherford, N. J., first;  
E. H. Weatherbee, Mamaroneck, N. Y., second.  
Collection of Irises.—Bobbink & Atkins,  
first; T. A. Havemeyer, second.  
Six orchids in bloom, six varieties.—  
Clement Moore, Hackensack, N. J. (gardener,  
James F. Dye), first.  
Collection of cut orchids.—J. A. Manda,  
West Orange, N. J., first.

#### Special Prizes.

For display of campanulas and sweet peas.  
—Miss Blanche Potter, Ossining, N. Y. (gardener,  
George Wittlinger), \$2.



## Arbor Vitæ

(Thuya Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to  
5 ft. trees.  
Write for descriptions and prices.

**The Wm. H. Moon Co.,**  
MORRISVILLE, PA.

## DAHLIAS

Jack Rose and other best Cut Flower  
varieties. Write for list and prices.

### PEACOCK DAHLIA FARMS

Williamstown Junction, N. J.

## LARGE TREES

OAKS and MAPLES  
Pines and Hemlocks

### ANDORRA NURSERIES,

Wm. Warner Harper, Prop.  
Chestnut Hill, PHILA., PA.

## Hybrid Perpetual and Rambler Roses

Strong Forcing Stock for Florists.  
Orders for fall delivery booking now.

**Jackson & Perkins Company, Newark, N. Y.**

For display of ismenes, gladioli, and mis-  
cellaneous flowers.—John Lewis Childs,  
Floral Park, N. Y., honorable mention.  
For collection of vegetables.—Mrs. J. B.  
Trevor, Yonkers, N. Y. (gardener, Howard  
Nichols), \$5.  
Cattleya Gaskelliana, var. Helen Roebling.  
—J. A. Manda, certificate of merit.

## Phoenix Nursery Company

**Nurserymen and Florists**  
BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for spring issued Feb. 1st.  
Mention the American Florist when writing

## THE Storrs & Harrison Co.

**PAINESVILLE NURSERIES.**  
CATALOGUES AND PRICE LISTS  
FREE ON APPLICATION.....

**PAINESVILLE, OHIO.**

## Jacs Smits & Co.,

NAARDEN,  
(Holland)

Azaleas, (hardy), Berried Plants, Bleeding  
Hearts, Blue Spruces, Boxwood, Clematis, Clim-  
bing Plants, Conifers, Evergreens, Funkias in  
sorts, Hydrangea P. G., Japan Maples, Peonies,  
Pot-grown Plants, (Lilacs a specialty), Rhodo-  
dendrons, Roses, Spireas, Valleys.

Price List Free on Demand.

## ROSES

A SPECIALTY.

**The Dingee & Conard Co.,**  
WEST GROVE, PA

**Eugene Pitou, Jr.,** CIVIL ENGINEER and  
Landscape Architect

Phone Barclay 6084—229 Broadway, New York  
Designs, Estimates, Construction of Grounds.



## Aster Plants

Simple's Branching and Queen of the Market.  
fine plants from field, \$1.75 per 1000.

**Geraniums, Heliotropes and Scarlet Sage**, in bloom, cut of 4-in. pots, \$4.00 per 100.  
**Alyssum, Verbenas, Dusty Miller, Phlox, Primula Obconica**, 2½-in., \$2.00 per 100; 300 for \$5.00.  
**Cabbage and Tomatoes**, all kinds, \$1.00 per 1000, \$3.00 per 10,000.  
**Peppers, Sweet Potatoes and Brussels Sprouts**, \$1.50 per 1000.  
**Cauliflower, Early Snowball**, \$2.50 per 1000.

**J. C. SCHMIDT,** Bristol, Pa.  
*Please mention the American Florist when writing*

## Neph. Whitmani

2½-in. .... 5.00 per 100  
**MAGNIFICA** (new), 2½-in., 25.00 per 100

**Boston Ferns** 2½-inch,  
\$3.00 per 100.

**Henry H. Barrows & Son, Whitman, Mass.**  
*Mention the American Florist when writing*

### Montreal.

#### FREEZE IN JUNE.

Another bad frost on the morning of June 4 caused a lot of damage; tomatoes with a few exceptions were killed outright, also beans, corn and potatoes. The latter can be planted again but with tomatoes it is different. At this date there are no more reserve plants at hand to replace the frozen ones. Bedding was well under way but most of the tender stock like coleus, achyr-anthes and alternantheras, had not been planted except in some places, so the loss is not so severe. The fruit trees came through apparently safe as their flowering season had just finished and the little fruit that had set during the most unfavorable weather during flowering looks all right.

McKenna's had their window during the last week decorated in keeping with the death of our king. They report a considerable falling off in business. Their delivery men look smart in their new uniform. Manager Lee has bought a villa on Lake street. He will find recreation from his heavy duties with his boat, rod and gun.

Hall & Robinson do not handle any bedding plants at their store on St. Catherine street. Mr. Hall is more than busy with his other business, although orders of bedding plants are taken but filling and delivery of same is taken care of by the growing establishment in Outremont.

Another of the cut rate druggists has started to sell cut flowers. The looks of them makes one wonder why cut rate people buy such stock. The retailers complain that the growers and wholesale men supply the goods to these cut raters lower than they are able to get it.

LUCK.

### Cleveland.

#### GOOD BUSINESS.

The week's business has been very satisfactory considering the weather conditions, as it rained nearly every day. Commencement exercises in several schools here and in surrounding towns used up large quantities of long-stemmed Richmond and American Beauty roses. A few early June weddings besides the numerous deaths the past week helped to move the balance of a good supply of stock. Stock of all kinds was in sufficient quantity to meet all demands with the exception of sweet peas, which were short in supply. String smilax, Asparagus plumosus and A. Sprengeri were also a little short. Plenty of peonies are now on the market, but so far it has been mostly southern stock; local stock is expected in this week. Easter lilies that were a drug on the market all last

## 20,000 Fine Tea Roses

Ready for bedding out in 2-, 2½- and 3-in. pots. **Soft Wooded** stock of all description to be closed out cheap for cash. Write your wants to Geo. A. Kuhl, Ferns worth the money. Our varieties include:

|                     | 2½-in. | 3-in.   | 4-in.   | 5-in.   | 6-in.   | 7-in.   | 8-in.    |
|---------------------|--------|---------|---------|---------|---------|---------|----------|
| <b>Bostons.</b>     | \$5.00 | \$10.00 | \$15.00 | \$25.00 | \$40.00 | \$60.00 | \$100.00 |
| <b>Whitmani.</b>    | 7.50   | 15.00   | 25.00   | 50.00   | 75.00   | 100.00  | 150.00   |
| <b>Amerpholi.</b>   | 7.50   | 15.00   | 25.00   | 50.00   | 75.00   | 100.00  | 150.00   |
| <b>Scotti.</b>      | 7.50   | 15.00   | 25.00   | 50.00   | 75.00   | 100.00  | 150.00   |
| <b>Plumosis.</b>    | 3.50   | 8.00    | 15.00   | 25.00   | 50.00   | 100.00  |          |
| <b>Sprengeri.</b>   | 2.50   | 5.00    | 12.50   | 25.00   | 50.00   |         |          |
| <b>Maiden Hair.</b> | 5.00   | 15.00   | 25.00   |         |         |         |          |
| <b>Small Ferns.</b> | 5.00   |         |         |         |         |         |          |

Ask for our other lists in season.

**GEO. A. KUHL.**

**Wholesale Florist,**

**PEKIN, ILL.**

## Geraniums Coleus

|                                                |         |      |
|------------------------------------------------|---------|------|
| 100                                            | 1000    | 100  |
| 8 varieties, my selection, 2½-in. pots, \$3.00 | \$25.00 |      |
| 8 varieties, 3-in. pots.....                   | 4.00    |      |
| <b>Asp. Sprengeri</b> seedlings.....           | 1.00    | 7.00 |
| <b>Asp. Sprengeri</b> , 2½-in. pots.....       | 2.00    |      |
| 10 varieties 2½-in. pots.....                  |         | 2.00 |
| <b>Double Petunias</b> , Seedlings.....        |         | 2.50 |
| <b>Alternantheras</b> , red and yellow.....    |         | 2.00 |

—Cash, No C. O. D.—

**JOS. H. CUNNINGHAM,**

**Delaware, O.**

*Mention the American Florist when writing*

## A ROSE FOR EVERY GREENHOUSE

**GRAFTED ROSES, Brides, Bridesmaids, 3½-in. pots, \$15.00 per 100.**

### OWN ROOT ROSES

|                                 |                                 |
|---------------------------------|---------------------------------|
| <b>American Beauty.</b>         | <b>Bride, Bridesmaid,</b>       |
| 3-inch pots.....\$ 9.00 per 100 | 3-inch pots.....\$ 7.00 per 100 |

**J. L. DILLON,**

**Bloomsburg, Pa.**

## SPECIAL on Bedding Stock

|                                                            |                 |
|------------------------------------------------------------|-----------------|
| <b>Queen Alexander Daisy</b> , in bud and bloom, 3-in..... | Per 100 \$ 4.00 |
| <b>Feverfew</b> , 4-in.....                                | 7.00            |
| 2-in.....                                                  | 2.00            |
| <b>Double Alyssum</b> , 2½-in.....                         | 2.50            |
| <b>Ageratum</b> , blue, 2-in.....                          | 2.50            |
| <b>Heliotrope</b> , blue, 2-in.....                        | 2.50            |
| <b>White Moonvine</b> , 2½-in.....                         | 3.00            |
| <b>Salvia</b> , Bonfire, 2½-in.....                        | 3.00            |
| <b>Coleus</b> , good assortment.....                       | 2.00            |
| <b>Lantanas</b> , 2 varieties, 2-in.....                   | 2.50            |
| <b>Fuchsias</b> , in variety, 2-in.....                    | 3.00            |
| <b>German Ivy</b> , 2-in.....                              | 2.50            |
| <b>Celaurea Gymocarpa</b> , 2½-in.....                     | 3.00            |
| <b>Smilax</b> , 1½-in.....                                 | 1.50            |

**Ferns**, in assortment and varieties, including Boston, Whitmani, Asparagus Plumosus Nanus Sprengeri, Pieroni, etc.

**D. U. Augspurger & Sons Co.**  
**Box 778, PEORIA, ILL.**

*Mention the American Florist when writing*

week, were in good demand and cleaned up nicely, the demand being good. Orchids are coming in daily and are being used quite freely. Long stemmed Killarney, Richmond, Bride and Bridesmaid with large blooms are coming in. The Memorial day business was a great disappointment, the cold, rainy weather being anything but conducive to good business. Those who depended on cemetery trade for this day were perhaps the hardest hit, and had it not been for the vast amount of funeral work following directly after, the stock lost would have been considerable.

### NOTES.

The Cleveland Florists' Exchange is handling large quantities of vincas and flowering plants and shrubs for outdoor planting in all sizes.

Owing to the rain on Memorial day the ball game between the retailers and wholesalers has been postponed to some future day.

Bert Cliff is back home again from the hospital where he had been operated on for appendicitis

Henry Piggott is up and around again after having been laid up with rheumatism.

C. B.

## ROSES Prime Stock, on own roots

| Teas                  | Doz.   | 2½-in. | 1000  | 4-in. | 100 |
|-----------------------|--------|--------|-------|-------|-----|
| Bougere.....          | \$0.50 | 2½     | \$25. |       |     |
| Bridesmaid.....       | .50    | 2½     | 25.   |       |     |
| Catherine Mermet..... | .50    | 2½     | 25.   |       |     |
| Coquette de Lyon..... | .50    | 2½     | 25.   |       |     |
| Devoniensis.....      | .50    | 2½     | 25.   |       |     |
| Mrs. Ben R. Cant..... | .50    | 2½     | 25.   |       |     |
| The Bride.....        | .50    | 2½     | 25.   |       |     |
| The Queen.....        | .50    | 3.     | 25.   |       |     |
| White Bougere.....    | .50    | 3.     | 25.   |       |     |

### Hybrid Teas

|                            |     |    |           |
|----------------------------|-----|----|-----------|
| Helen Gould (Baldwin)..... | .50 | 2½ | 27½       |
| Jacob's Perle.....         | .50 | 4. | 40.       |
| Kaiserin Aug. Vic.....     | .50 | 3. | 30. \$10. |
| Mme. Jenny Guillemot.....  | .50 | 3. | 30.       |
| Striped La France.....     | .50 | 3. | 27½       |
| William R. Smith.....      | .50 | 3½ | 30.       |

### Hybrid Perpetuals

|                          |     |    |     |
|--------------------------|-----|----|-----|
| Anna de Diesbach.....    | .50 | 3½ | 30. |
| Ball of Snow.....        | .50 | 3½ | 30. |
| Coquette des Alpes.....  | .50 | 3½ | 30. |
| Dinsmore.....            | .60 | 4. | 35. |
| Giant of Battles.....    | .50 | 3½ | 30. |
| Gloire Lyonnaise.....    | .50 | 3½ | 30. |
| Madame Charles Wood..... | .60 | 4. | 35. |
| Madame Masson.....       | .50 | 3½ | 30. |
| Madame Plantier.....     | .50 | 3½ | 30. |
| Magna Charta.....        | .50 | 3½ | 30. |

### Climbers

|                            |     |    |     |
|----------------------------|-----|----|-----|
| Climbing Devoniensis.....  | .50 | 2½ | 25. |
| Cloth of Gold.....         | .50 | 2½ | 25. |
| James Sprunt.....          | .50 | 2½ | 25. |
| Marshall Niel.....         | .50 | 3½ | 30. |
| Mary Washington.....       | .50 | 3. | 25. |
| Reine Marie Henriette..... | .50 | 2½ | 25. |
| Reve d'Or.....             | .50 | 2½ | 25. |
| Solfatare.....             | .50 | 2½ | 25. |

### Hardy Climbers

|                            |     |     |     |
|----------------------------|-----|-----|-----|
| Debutante.....             | .50 | 2½  | 25. |
| Hiawatha.....              | .50 | 2½  | 25. |
| Lady Gay.....              | .50 | 2½  | 25. |
| Manda's Triumph.....       | .50 | 2½  | 25. |
| Pink Rambler.....          | .50 | 2½  | 25. |
| Seven Sisters.....         | .50 | 2½  | 25. |
| So. Orange Perfection..... | .50 | 2½  | 25. |
| Sweetheart.....            | .50 | 2½  | 25. |
| Tennessee Belle.....       | .50 | 2½  | 25. |
| Universal Favorite.....    | .50 | 2½  | 25. |
| White Dorothy Perkins..... | 2.  | 15. |     |

### Miscellaneous

|                              |     |    |     |
|------------------------------|-----|----|-----|
| Aennchen Mueller.....        | .50 | 2½ | 25. |
| Catherine Zeimet.....        | .50 | 4. | 30. |
| Gruss an Teplitz.....        | .50 | 2½ | 27½ |
| Henri Martin (Red Moss)..... | .50 | 4½ | 40. |
| Louis Philippe.....          | .50 | 2½ | 25. |
| Mousseline (White Moss)..... | .60 | 4. | 40. |
| Mrs. Degraw (Bourbon).....   | .50 | 2½ | 27½ |

**THE LEEDLE FLORAL COMPANY**  
SPRINGFIELD-OHIO







# Vaughan's Canna Plants

**Vaughan's Seed Store**  
P. O. Drawer V, CHICAGO.

## A New Fern NEPHROLEPIS GIATRASI

Awarded a Certificate of  
Merit by the Horticultural  
Society of New York.

**Prices:** In 2½-inch pots, \$3.50 per dozen; \$25.00 per 100; \$200.00 per 1000. 25 plants at 100 rates; 500 plants at 1000 rates. Orders delivered in rotation as received. Now Ready for delivery,

**GEORGE GIATRAS,**  
463 Summit Ave., West Hoboken, N. J.

## Geraniums

**Rooted Cuttings.** Ricard, Poitevine and S. A. Nutt, at \$10.00 per 1000. Delivery made any time wanted. Let me book your order, or send for sample and see the class of stock I send out.

### HARDY PHLOX

Rooted cuttings, free by mail, at \$1.25 per 100. Mixed varieties, all of them good ones.

### Smilax and Sprenger

Good stock. Let me send you a sample.  
**Smilax** ..... \$12.50 per 1000  
**Sprenger** ..... 15.00 per 1000

**ALBERT M. HERR,** Lancaster, Pa.

Freeport, Ill.

The Freeport Floral Co. is removing and remodeling its old plant. It is being removed to the new location where the new plant was erected last season. This, when complete, will give the company a modern, up-to-date greenhouse plant, with two 60 h.p. boilers and space for another, with vacuum system steam heating, 10,000 gallon water tank elevated on 50-foot steel tower with 2-inch mains which gives a fine water pressure. The specialties grown are cut flowers and pot plants, of which a large stock is grown for the wholesale trade, the firm shipping plants to almost every state in the union.

SOUTH LANCASTER, MASS.—E. O. Orpet leaves his position at the E. V. R. Thayer place July 1, completing on that day 20 years service. He will be succeeded by John Booth, Newport, R. I.

## CHRYSANTHEMUMS

Extra Fine Stock of the Following Varieties:

|                       | R. C. per |       | 2½-in. per |       |                                    | R. C. per |         | 2½-in. per |         |
|-----------------------|-----------|-------|------------|-------|------------------------------------|-----------|---------|------------|---------|
|                       | 100       | 1000  | 100        | 1000  |                                    | 100       | 1000    | 100        | 1000    |
| <b>WHITE.</b>         |           |       |            |       | <b>PINK.</b>                       |           |         |            |         |
| Robinson.....         | 2.50      | 20.00 | 3.00       | 25.00 | Rosiere.....                       | \$2.50    | \$20.00 | \$3.00     | \$25.00 |
| Clementine Touse      | 2.50      | 20.00 | 3.00       | 25.00 | McNiece.....                       | 2.50      | 20.00   | 3.00       | 25.00   |
| Alice Byron.....      | 2.50      | 20.00 | 3.00       | 25.00 | Maud Dean.....                     | 2.50      | 20.00   | 3.00       | 25.00   |
| Timothy Eaton.....    | 2.50      | 20.00 | 3.00       | 25.00 | Dr. Enguehard.....                 | 2.50      | 20.00   | 3.00       | 25.00   |
| White Bonnaillon..... | 2.50      | 20.00 | 3.00       | 25.00 |                                    |           |         |            |         |
| W. H. Chadwick.....   | 3.00      | 27.00 | 4.00       | 35.00 |                                    |           |         |            |         |
| <b>YELLOW.</b>        |           |       |            |       | <b>POMPONS.</b>                    |           |         |            |         |
| Golden Glow.....      | 3.00      | 4.00  |            |       | <b>YELLOW.</b>                     |           |         |            |         |
| Halliday.....         | 2.50      | 20.00 | 3.00       | 25.00 | R. C. per 100                      |           |         |            |         |
| Col. Appleton.....    | 2.50      | 20.00 | 3.00       | 25.00 | Baby, Klondyke, Zenobia.....\$2.50 |           |         |            |         |
| Major Bonnaillon..... | 2.50      | 20.00 | 3.00       | 25.00 | <b>WHITE.</b>                      |           |         |            |         |
| Yellow Eaton.....     | 2.50      | 20.00 | 3.00       | 25.00 | Lulu, Diana.....2.50               |           |         |            |         |
| Chautauqua Gold.....  | 2.50      | 20.00 | 3.00       | 25.00 | Baby Margaret.....4.00             |           |         |            |         |
| <b>RED.</b>           |           |       |            |       |                                    |           |         |            |         |
| Schrimpton.....       | 3.00      | 20.00 | 3.00       | 25.00 | Briola, pink.....2.50              |           |         |            |         |
| Intensity.....        | 2.50      | 40.00 | 3.00       | 25.00 | Mrs. Beau, bronze.....2.50         |           |         |            |         |
|                       |           |       |            |       | Quinola.....3.00                   |           |         |            |         |

### White Killarney, My Maryland, Pink Killarney.

2½-in. plants. Booking orders now for future deliveries. The Right Place—The Right Goods—The Right Price—Come and See Them Grow.

|                 | 2½-inch. | 100     | 1000 |                                                  | 2½-inch. | 100   | 1000 |
|-----------------|----------|---------|------|--------------------------------------------------|----------|-------|------|
| White Killarney | \$3.50   | \$75.00 |      | Richmond                                         | 5.00     | 40.00 |      |
| Pink Killarney  | 6.00     | 55.00   |      | American Beauties                                | 7.00     | 65.00 |      |
| My Maryland     | 6.00     | 55.00   |      | You cannot afford to buy poor stock at 50% less. |          |       |      |

## Special Offer—Big Bargain

This is the time to plant Oct. Frost and Monrovia.

|                         |                  |                            |                  |
|-------------------------|------------------|----------------------------|------------------|
| Monrovia, 2½-in.        | \$20.00 per 1000 | Roosevelt, 2½-in.          | \$25.00 per 1000 |
| Oct. Frost, 2½-in.      | 20.00 per 1000   | Virginia Pochlmann, 2½-in. | 30.00 per 1000   |
| Merry Christmas, 2½-in. | 20.00 per 1000   |                            |                  |

## Special in Roses While They Last

|                                         |                  |                |                  |
|-----------------------------------------|------------------|----------------|------------------|
| Kaiserins, 2½-in.                       | \$30.00 per 1000 | Brides, 2½-in. | \$25.00 per 1000 |
| 3½-in.                                  | 50.00 per 1000   | 3½-in.         | 40.00 per 1000   |
| Benched Beauties ..... \$45.00 per 1000 |                  |                |                  |

**POEHLMANN BROS. CO.,** Morton Grove, Ill.

## Florists' 'Mums

### EARLY

|                                  | From pots      | Rooted Cuttings |
|----------------------------------|----------------|-----------------|
|                                  | 100 1000       | 100 1000        |
| Clementine Touse—White           | \$3.00 \$25.00 | \$2.00 \$17.50  |
| Gloria (New)—Enchantress pink    | 4.00 30.00     | 3.00 25.00      |
| Indiana (New)—A white Appleton   | 6.00           | 4.00            |
| Ivory—Dwarf white                | 3.00 25.00     | 2.50 20.00      |
| Monrovia—Bright yellow           | 3.00 25.00     | 2.50 20.00      |
| October Frost—Best early white   | 3.00 25.00     | 2.50 20.00      |
| Pacific Supreme—Improved Pacific | 3.00 25.00     | 2.50 20.00      |

### MIDSEASON

|                                         |            |            |
|-----------------------------------------|------------|------------|
| A. J. Balfour—Bright pink               | 3.00 25.00 | 2.50 20.00 |
| Col. D. Appleton—Incurved yellow        | 3.00 25.00 | 2.00 15.00 |
| Crocus—Light yellow                     | 3.00 25.00 | 2.00 15.00 |
| Mrs. W. E. Kelley—Late midseason yellow | 4.00 30.00 | 3.00 25.00 |
| Major Bonnaillon—Incurved yellow        | 3.00 25.00 | 2.00 15.00 |
| Pres. Roosevelt—Incurved light pink     | 4.00 35.00 | 3.00 25.00 |
| Pres. Taft (New)—Incurved white         | 10.00      | 8.00 70.00 |
| Tim Eaton—White                         | 3.00 25.00 | 2.50 20.00 |
| White Cloud—Pure white                  | 3.00 25.00 | 2.50 20.00 |

### LATE

|                                     |            |            |
|-------------------------------------|------------|------------|
| Golden Eagle—Incurved bright yellow | 4.00 30.00 | 3.00 25.00 |
| Intensity—Reflexed bright crimson   | 4.00 30.00 | 3.00 25.00 |
| Mlle. Jeanne Nonin—Incurved white   | 3.00 25.00 | 2.00 15.00 |
| Mlle. Jeanne Roette—Light pink      | 3.00 25.00 | 2.50 20.00 |
| Maud Dean—Bright pink               | 3.00 25.00 | 2.50 20.00 |
| Nagoya—Bright yellow                | 4.00 30.00 | 3.00 25.00 |
| Yanoma—White                        | 3.00 25.00 | 2.50 20.00 |

Special fine lot of Anemones, Pompons and Singles

From pots. List of varieties on application or

Our selection ..... \$3.00 per 100; \$25.00 per 1000

**ELMER D. SMITH & CO.,** Adrian, Mich.

## PALMS, FERNS AND Decorative Plants

**JOHN SCOTT,** Rutland Rd. & E. 45th St.  
BROOKLYN, N. Y.

## Ferns for Dishes...

Assorted varieties, 2½-in. pots, \$3.50 per 100;  
\$30.00 per 1000. Cash with order.

**FRANK OECHSLIN**  
4911 Quincey St. CHICAGO.



## Cincinnati.

Memorial day trade was admittedly far ahead of that of any previous year, all reports being unanimous on this point. The market has cleaned up remarkably well since then, all available flowers being bought up by eager buyers, and there is a scarcity of carnations and sweet peas which no doubt can be attributed to the cold and cloudy weather. A few days of sun will give us an abundance of stock to do business with. Some excellent peonies are coming in and we notice a fine lot of American Beauty roses at E. G. Gillette's wholesale house.

## NOTES.

B. P. Critchell will assume charge of the plant and floral decorations at the coming Ohio Valley exposition to be held in this city next August, and the commissioners are to be congratulated upon securing a man of Mr. Critchell's ability. Seven hundred boxes of vines and other plants and 200 18-inch hanging baskets, we understand, will be distributed throughout the building, and immense quantities of bay trees and boxwood will be used. Up to the present time we have heard nothing of the floral displays, but undoubtedly this item will be attended to. In other years floral days at the expositions always recorded the greatest attendance and the public will insist upon having them.

P. J. Olinger has purchased the interests of Peter Weiland in the firm of Weiland & Olinger. Wm. Gardner will assume charge of the greenhouses at New Castle, Ind., and Fred Brueggeman will assist Mr. Olinger in disposing of the cut at the store in this city. Mr. Weiland, who has been troubled with rheumatism a great deal of late will rest up until cured of the malady and has made no definite plans for the future.

The next meeting of the Florists' Society will be held in the club rooms, Jabez Elliott Flower Market, on Monday evening, June 13. Nominations of officers for the ensuing year will be held at this meeting.

Miss Ada Kresken left last Thursday morning for Europe to be gone for about three months and will visit France, Germany, Switzerland, Holland and Belgium.

S.

## Providence.

## BUSINESS NORMAL.

After the great rush for Memorial day business has settled down to normal conditions again. Roses are coming along in good quality and there is somewhat of an over-supply at present, consequently they can be bought at a very low price. Carnations have shortened up considerably since Memorial day but there is still enough of a good quality to supply the demands. There is an over-supply of stocks at present but lilies are very scarce. Sweet peas are coming in in good quality and a great plenty for all demands. Lily of the valley is in great demand at present, owing to so many June weddings. What orchids and gardenias come into this market are soon bought up at the regular market price. The market is over-supplied with good peonies, but they do not sell well. Gladioli are scarce at present as are green goods. There is also a scarcity of good hydrangeas and there is quite a demand for them. The weather continues cool and cloudy.

## NOTES.

James B. Canning was a very busy man during the past week as he had the decoration for the Perrin hotel opening under the new management and for the Colburn players at Brown university; also the decorations and wedding flowers for the O'Connell wedding at Wakefield, Mass.

## A FEW GOOD THINGS YOU WANT.

**Rex Begonia**, 2-in. \$5.00 per 100.  
**Geraniums**, Nutt. Perkins. Grant, 'La Favorite', R. C., \$1.25; 2-in. pots, \$2.00; 3-in., \$4.00 per 100; **Viaud**, Castellane, Poltevine Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in. pots, \$2.50; 3-in. \$5.00 per 100.  
**Asparagus Plumosus**, 2-in. \$3.00 per 100; 3-in. \$5.00 per 100. Cut fronds 25c per bunch.  
**Boston Ferns**, 5-in 25c each. **Whitman Ferns**, 4-in. 25c each  
**Vinca Var.**, 2-in. \$2.00 per 100.  
**Roses**, Bride Maids and Gates, 3-in., \$5.00 per 100.  
**Dracena Ind.**, 3-in., \$5.00; 4-in., \$10.00 per 100.  
**Coleus** and **Alternanthera**, red and yellow: **Verbenas**, **Heliotrope**, **Cigar Plant**, **Scarlet Sage**, Zurich, always in bloom, 2-in., \$2.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order

**GEO. M. EMMANS,** Newton, N. J.  
 Mention the American Florist when writing

## Miscellaneous Plants

**Apple Geraniums**, 2-in., \$2.00 per 100, \$18.50 per 1000; 3-in., \$4.00 per 100.  
**Swainsona Alba**, 2-in. \$2.00 per 100, \$18.50 per 1000; 3-in., \$3.00 per 100.  
**Salvia**, Bonfire and Zurich, 2-in., \$2.00 per 100, \$7.50 per 1000  
**Dahlia Plants**, from 2 in., at \$2.00 per 100 up. For \$18.50 cash we will send 1000, 50 each of 20 distinct varieties, including Show, Decorative and Cactus.  
**Madeira Vine Roots**, \$1.00 per peck, \$3.00 per bushel.

**R. VINCENT Jr., & SONS CO.,** White Marsh, Md.  
 Mention the American Florist when writing

**Rooted Cannas** Allemania, Pennsylvania, Kate Gray \$2.50 per 100. Per 100  
**Vinca Var.**, 2½, 3, 4-in. \$3.00 \$5.00 \$9.00  
**Asparagus Robustus** 3-in. 5.00  
**Sprengeri**, 3-in. 5.00  
**Smilax**, 2½-in. 3.00  
**Lobelia**, Bedding Queen and Speciosa, 2-in., 2.00  
**Verbenas**, seedlings in bloom, 2-in. 2.50  
**Alyssum**, Little Gem, 2-in. 2.50  
**Double 2-in.** 2.50  
**Coleus**, 10 vars., 2, 3-in., \$2.00 3.00  
**Petunias**, single, large in bloom, 2, 3-in. 2.00 3.00

## WEST END GREENHOUSES,

**Hans Schmalzl, Prop.** Lincoln, Ill.

## CHRYSANTHEMUMS

Good transplanted cuttings, ready for benching.  
 Opah Oct. Frost, Glory Pacific, Monrovia, Touset, Ivory, P. Ivory, White Bonnafon, Clay Frick, J. Nonin.

\$1.25 per 100; \$10.00 per 1000.

**D. H. GREEN,** West Grove, Pa.

James Crawshaw, Plainfield street, has sold out his place of business to Otto Haussett, formerly employed by T. O'Connor, and will open a wholesale florists' supply store where he will make a specialty of all kinds of greens.

J. A. Budlong & Son Co., Auburn, are cutting great quantities of first class roses every day which they dispose of mostly in the Boston and New York markets.

Edward Murry, formerly of Johnston Bros., is engaged to take the management of William Hay's new wholesale store which will be opened about September 1.

J. L. Reynolds is at his post again with T. J. Johnston & Co. after a severe illness in the hospital since Thanksgiving.

John A. Hazard, Warwick, who has been ill from an attack of pneumonia during the past month, is now convalescent.

Henry Patry is about to become a benedict; Miss Alice O'Rourke is the chosen young lady.

Visitors. T. W. Lawton of Fall River, Mass.; Oscar Schultz of Westerville; M. Barker, AMERICAN FLORIST, Chicago; J. B. McArdle of Vaughan's Seed Store, New York, and J. Kelley of Fall River, Mass.

## TRADE LIST

**Clematis**, paniculata, strong plants, \$10.00 per 100; 3-in. pots, \$5.00 per 100.  
**Dracena Indivisa**, 4-inch pots, \$10.00 per 100.  
**Passiflora** coerulea, 3-in. pots \$5.00 per 100.  
**Rose Geraniums**, 3-in. pots, \$4.00 per 100.  
**Honeysuckle**, Woodbine, 4-in. pots, \$1.50 per doz.  
 Plants from 2½-in. pots, \$3.00 per 100;  
**Achyranthes**, Parlor Ivy, **Ageratum**, blue;  
**Coleus**, Verschaffeltii, Queen Victoria Quadricolor, **Golden Feather**, **Impatiens** Holstii;  
**Swainsona alba**, **Alternanthera**, 4 varieties;  
**Hydrangea** Otaka, **Chrysanthemums**, White Cloud Pacific Supreme, Golden Glow, **Salvia**, Bonfire; **Snap** agon, White.  
**Asparagus Sprengeri**, 2-in. pots, \$2.00 per 100; 2½-in. pots, \$3.00 per 100.  
**Bouvardias**, single and double, white, pink, scarlet, Humboldt, 2-in. pots, \$3.00 per 100.  
**Ivy**, Hardy English, 4-in. pots, \$1.00 per doz.; 3-in. pots, \$4.00 per 100.  
**Ampelopsis Veltchil**, 4-in. pots, \$10.00 per 100; 3-in. pots, \$5.00 per 100.  
**SEEDLINGS** from flats, 50c per 100: **Dracena Indivisa**.  
**Clematis vitalba**, strong transplanted seedlings, \$1.00 per 100, \$8.00 per 1000. This is one of the fastest growing vines, covered with long sprays of sweet-scented white flowers the whole summer.

C. EISELE,

11th and Westmoreland Sts. Philadelphia, Pa.

## Chrysanthemum Cuttings

Now booking orders for June delivery.

| WHITE              | Per 100 | 1000    |
|--------------------|---------|---------|
| Oct. Frost.....    | \$2.00  | \$15 00 |
| Kalb.....          | 2 00    | 15 00   |
| Touset.....        | 2 00    | 15 00   |
| A. Byron.....      | 2 00    | 15 00   |
| Wanamaker.....     | 2 00    | 15 00   |
| White Cloud.....   | 2 00    | 15 00   |
| T. Eaton.....      | 2 50    | 20 00   |
| YELLOW             |         |         |
| Monrovia.....      | 2 00    | 15 00   |
| Oct. Sunshine..... | 2 00    | 15 00   |
| Appleton.....      | 2 00    | 15 00   |
| V. Eaton.....      | 2 50    | 20 00   |
| Hallday.....       | 2 00    | 15 00   |
| Bonnafon.....      | 2 00    | 15 00   |

**J. D. THOMPSON CARNATION CO.,**  
 JOLIET, ILL.

## Robert Craig Co...

## HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

DO YOU GROW 'MUMS?

## White Helen Frick

The Best and Only Late White.

Fine stock from 2½-inch pots, \$5.00 per 100, \$75.00 per 1000.

**HENRY EICHHOLZ,** Waynesboro, Pa.

## Asparagus Plumosus

Strong 2-in. pots, \$2.25 per 100. \$20.00 per 1000.

## ROSES

Brides, Maids and Richmonds. Clean, extra strong 2½-in., \$3.00 per 100 or will exchange for White Killarney at market rates.

**W. W. COLES,** Kokomo, Ind.

FOR SALE.

I have left 5'0 4-inch first-class Variegated Vincas which I will sell at a bargain price.

Address  
**HANS SCHMALZL,** Lincoln, Ill.



# Orchids

Arrived This Week

## CATTLEYAS

Trianae, Labiata, Schroederiae,  
Mossiae, Gaskelliana, Mendelii.

## DENDROBIUMS

Cambridgeanum, Chrysotoxum,  
Crassinode, Jamesianum  
Devonianum.

Renanthera Imschootiana

Vanda Coerulea

Laelia anceps, Laelia albida,  
Oncidium Cavendishianum,  
Oncidium ornithynchum.

**G. L. FREEMAN CO.**  
FALL RIVER, MASS.

Albany, N. Y.

At the regular monthly meeting of the Florists' Club F. A. Danker announced his resignation as chairman of the committee having in charge the flower show to be held in November. President Goldring thereupon appointed Frank M. Briare chairman and the makeup of the committee as follows: Fred Henkes, Frederick A. Danker, Edward P. Tracey, Patrick Hyde, Edward F. Meany and William C. Kurth. A letter of regret was read from Louis Menand, Sr., in which he explained that owing to ill health he was compelled to resign the positions of treasurer of the club and of the flower show committee. A discussion was held on the subject of the ruling of the board of education, which last year decided that no flowers should be presented to graduates upon the commencement stage. The club on motion of W. C. Kurth decided to prepare a notice for the newspapers explaining that men would be sent to the several schools in which the commencements will be held to attend to the proper distribution of flowers. In the case of the high school commencement, about the third week in June, the club has agreed to have W. S. Boardman attend to the distribution. In the cases of the other schools one or more men will be sent from the several stores.

Richard Griffith reported upon a visit to Commissioner Greenaleh of the department of public works to whom he went to complain about out-of-town nurserymen planting trees in the streets without first having obtained a permit, as the local florists are compelled to do. The matter was brought up at the May meeting of the Florists' Club. Commissioner Greenaleh promised that the matter would be looked into and the alleged abuse corrected. The club also decided to continue the Saturday half holiday and early closing, as in other summer seasons. R. W. Allen, a grower and retailer of Hudson, was elected to membership and the name of Henry Schrade, Saratoga, proposed for membership. The club accepted the invi-

# ORCHIDS

THE BEST OF  
Orchids Always on Hand

— ALSO —  
ALL KINDS OF CUT FLOWERS

## Gretsch & Ordenez Bros.

WHOLESALE FLORISTS

52 West 28th St., New York City  
Telephone: 3357 Mad. Sq.

We Solicit Consignments from Good Growers.

## I Am Disposing of the Florham Farms Collection of ORCHIDS

and can quote established plants of **Cattleya Trianae**,  
**Schroederæ**, **Labiata**, in 5 to 8 in. pots, at \$2.00 per plant.  
**Cypripedium Leeanaum**, in pans, from 5 to 8 in.,  
50c to \$3.00 each.

**CHARLES H. TOTTY, Madison, N. J.**

## Orchids

Arrived: Cattleya Trianae, C. Gaskelliana,  
Oncidium varicosum, O. crispum, O. Forbesi, O. Harrisonianum, Miltonia cuneata,  
Odontoglossum grande; Laelias purpurata,  
grandis tenebrosa and flava.

**Lager & Hurrell Summit, N. J.**

## ORCHIDS...

Largest Importers, Exporters, Growers,  
and Hybridists in the World.

**SANDER, St. Albans, Eng.**

**NEW YORK OFFICE:** T. MELLSTROM,  
Room 1, 235 Broadway. Agent.

tation to hold the next meeting at the place of President Goldring, Font Grove station, Slingerlands, on Thursday evening, July 7.

Mrs. Fred Keller has decided to continue the business formerly conducted by her husband at Garbrance lane and the Troy road. She will file a certificate with the county clerk to do business under the style, "Keller Floral Co." Mr. Keller was closed out a few months ago by the sheriff upon the petition of creditors. Much of the greenhouse stock was sold at auction.

Early June has brought orders for weddings to the local retailers in sufficient number to keep them busy. Among the notable decorations were those for the Mayer-Hoy wedding on

## ORCHIDS

Fresh Importations

Cattleya Trianae,  
" Mendelii,  
" Schroederæ,  
" Gigas Sanderiana,  
" Hardyana,  
" Aurea,  
Miltonia Vexillaria,  
" Roezlii,

Write for Prices.

John De Buck, care Maltus & Ware, New York  
14 Stone St.,

## Orchids..

We have changed our domicile from Secaucus, N. J., to Mamaroneck, N. Y. We are largest collectors and importers of Orchids and are now booking orders for all the commercial Cattleyas for delivery next spring.

**CARRILLO & BALDWIN, Mamaroneck, N. Y.**

June 1 by Danker and for the Garvan-Brady wedding in the Cathedral of the Immaculate Conception on June 9 by Eyres.

Frederick Goldring and wife of Font Grove, have announced the engagement of their daughter Esther to Romain B. Ostrander of Brooklyn. The date of the wedding will be made known later.

R. D.



# A Prominent Florist Recently Came to Wyncote and Looked Over Our Palm Houses, Including This One

He has purchased heavily from us before, and came several hundred miles to personally place his order again **this** year.

Before he left, he assured us that he wouldn't have any more imported palms. "Heacock Quality" had convinced him, and had made him a "repeat" customer.

We have on our books scores of others like him—customers who stay with us year after year because our stock has



"made good" with them and their trade and enabled them to build up a Palm department showing a steady profit.

Have you learned the advantages of handling our Palms? If not, you cannot select a better time to commence than this summer; we have an unusually fine stock just now, and can ship on short notice. Look over the list and get in touch with us by next mail.

| ARECA LUTESCENS                               |        | Each       |
|-----------------------------------------------|--------|------------|
| 6-in. pot, 3 plants in pot, 26 to 28-in. high |        | \$1 00     |
| 7-in. pot, 3 plants in pot, 30 to 32-in. high |        | 2 00       |
| 8-in. pot, 3 plants in pot, 36-in. high       |        | 2 50       |
| 8-in. pot, 3 plants in pot, 42-in. high       |        | 3 00       |
| KENTIA BELMOREANA.                            |        | Doz. 100   |
| 5-in. pot, 6 to 7 leaves, 18-in. high         | \$6 00 | \$50 00    |
| 5-in. pot, 6 to 7 leaves, 20-in. high         | 9 00   | 70 00      |
|                                               |        | Each Doz.  |
| 6-in. pot, 6 to 7 leaves, 22 to 24-in. high   | \$1 00 | 12 00      |
| 9-in. tub, 6 to 7 leaves, 42 to 48-in. high   | 5 00   |            |
| 9-in. tub, 6 to 7 leaves, 5-ft. high          | 7 50   | and \$8 00 |

| COCOS WEDDELIANA             |  | Per 100 |
|------------------------------|--|---------|
| 2½-in. pot, 8 to 10-in. high |  | \$10 00 |

| MADE-UP KENTIA FORSTERIANA.                   |  | Each    |
|-----------------------------------------------|--|---------|
| 9-in. tub, 4 plants in tub, 42 to 48-in. high |  | \$ 4 00 |
| 12-in. tub, 4 plants in tub, 6-ft. high       |  | 15 00   |

| PHOENIX ROEBELENI.               |  | Each |
|----------------------------------|--|------|
| 5-in. pots, nicely characterized |  | 1 00 |
| 6-in. pots, nicely characterized |  | 1 50 |

"When in Philadelphia be sure to look us up."

**JOSEPH HEACOCK COMPANY, Wyncote, Pa.**

## ARAUCARIA EXCELSA.



A Fine Lot Just Received.

Height 8-10-ins., 2-3 whorls, each, 60c; doz., \$5.50.

Height 12-ins., 3-4 whorls, each; 75c; doz., \$8.00.

Vaughan's Seed Store

CHICAGO.  
NEW YORK.

### Cyclamen Corms in Leaf Soil.

Different growers have diverse ways of treating their old cyclamen corms after the flowering period is over. Many discard them altogether and rely upon young stock. Undoubtedly, young corms are more valuable than old ones; but the latter are extremely useful, says a correspondent of the Gardeners' Magazine. Corms one year old cannot, however, be termed old ones, yet the treatment that we wish to refer to here suits them equally as well as it does very old ones.

A bed composed of well decayed leaves rubbed through a half-inch sieve is made up in a cold frame, and the corms, after the removal of the old soil from their roots, are planted out a few inches apart in this bed. A thorough watering is given to settle the soil around them, and then the

## Chrysanthemums

Fine young stock from 2½-inch pots. Immediate Shipment.

| WHITE                |  | Per 100 | PINK                |  | Per 100 | YELLOW                 |  | Per 100 |
|----------------------|--|---------|---------------------|--|---------|------------------------|--|---------|
| C. Touse, .....      |  | \$3 00  | Rosiere, .....      |  | \$3 00  | Golden Glow, .....     |  | \$4 00  |
| Oct. Frost, .....    |  | 3 00    | Mayor Weaver, ..... |  | 3 00    | Monrovia, .....        |  | 3 00    |
| Alice Byron, .....   |  | 3 00    | Enguehard, .....    |  | 3 00    | Yellow Touse, .....    |  | 4 00    |
| Chadwick, .....      |  | 4 00    | Rosette, .....      |  | 4 00    | Yellow Chadwick, ..... |  | 4 00    |
| H. W. Buckbee, ..... |  | 3 00    | Pink Ivory, .....   |  | 3 00    | Bonnaffon, .....       |  | 3 00    |
| Ivory, .....         |  | 3 00    |                     |  |         |                        |  |         |
| V. Pochimann, .....  |  | 3 00    |                     |  |         |                        |  |         |

Special prices quoted on a quantity.

## ROSES---STRONG YOUNG 3½-in. STOCK

|                       |  | 100    | 1000    |                      |  | 100    | 1000    |
|-----------------------|--|--------|---------|----------------------|--|--------|---------|
| Maryland, 3½-in. .... |  | \$6 00 | \$55 00 | Maid, 3½-in. ....    |  | \$4 00 | \$35 00 |
| Richmond, 3½-in. .... |  | 5 00   | 45 00   | Bride, 3½-in. ....   |  | 4 00   | 35 00   |
| Jardine, 3½-in. ....  |  | 5 00   | 45 00   | Jardine, 2½-in. .... |  | 4 00   | 35 00   |

## J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and  
Carnations  
A Specialty....

WHOLESALE  
GROWER of

CUT FLOWERS

lights are put on but tilted high both at back and front, so that a current of air passes through. Watering is not done for a month or six weeks, except to prevent the leaf-soil from getting dust dry. But afterwards the bed is kept moist, and the glass lights are

put down, air being admitted only at the top, and by the middle of August at the latest splendid growth both of leaves and roots will be made, and the plants may be then carefully potted. This treatment has resulted in fine batches of plants.



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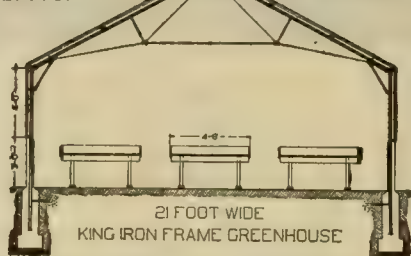
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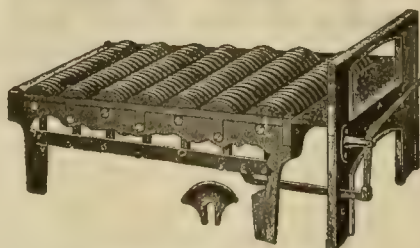
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Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Boston, 3-in., 25c each. Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns, Whitman, 2½-in., \$5 per 100. Henry H. Barrows & Sons, Whitman, Mass.

## FEVERFEW.

Feverfew, 2½-in., 2½-c. Mosbaek Greenhouse Co., Onarga, Ill.

## FICUS.

Young rubber plants, 2½-in. pots, \$15 per 100. Order early; limited quantity. Bobbink & Atkins, Rutherford, N. J.

## FUCHSIAS.

Fuchsias, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

## GERANIUMS.

Geraniums, strong, 2-in. stock, Heteranthe, Nutt, Jean Viad, La Favorite, L'Aube, Hill, \$2 per 100; \$18 per 1,000. Our selection, \$17 per 1,000. Pamela, \$4 per 100. Anastasia Lecadre, \$3 per 100. Red Wing, the best novelty of the season, 25c each; \$2.50 per doz. Write for geranium catalogue. F. H. DeWitt & Co., Wooster, Ohio.

GERANIUMS. Nutt, Grant, Poitevine, Viad, Buchner, all true to label. Large top cuttings well rooted, \$1.25 per 100; \$10 per 1,000. Same varieties from 2½-in. pots, \$2 per 100; \$18 per 1,000. Cash. The W. T. Buckley Co., Springfield, Ill.

Geraniums, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Viad, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$5 per 100. Mme. Sallerol, 2-in., \$3 per 100. G. M. Emmans, Newton, N. J.

Apple geranium, 2-in., \$2 per 100; 3-in., \$4. Standard varieties, 2-in., \$2 per 100; \$18.50 per 1,000; ivy leaved, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums. We have a nice stock in 4-in. bud and bloom; good, strong, healthy plants at \$7.50 per 100. Cash or C. O. D. Frank Felke, 823 Ridge Ave., Wilmette, Ill., Telephone 1259 Wilmette.

Geraniums, standard varieties, 2½-in., 3c each; \$25 per 1,000; 4-in., 9c each; \$80 per 1,000; 5-in., 12c each. La Favorite, 3-in., 5c; 4-in., 7c. Mosbaek Greenhouse Co., Onarga, Ill.

Geraniums, Nutt, Ricard, Pink Bedder, Murkland, Jas. Vick, Jaulin, 4-in., \$6 per 100. Sallerol, 3-in., \$4. Grand Rapids Greenhouse Co., Grand Rapids, Mich.

Geraniums, S. A. Nutt, Mme. Barney, White Swan, 4-in., \$8 per 100. Mme. Sallerol, 2½-in., \$3 per 100. J. S. Hennon & Son, Wampum, Pa.

Clematis paniculata seedlings from pots for lining out, \$3 per 100. E. Y. Teas, Centerville, Ind.

Geraniums, 4-in. plants, S. A. Nutt, in bud and in bloom, \$7 per 100. C. E. Ruch, Richmond, Ind.

Geraniums, 8 vars, 2½-in., \$3 per 100; \$25 per 1,000; 3-in., \$4. Jos. H. Cunningham, Delaware, O.

Geraniums, R. C. Ricard, Poitevine, Nutt, \$10 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Heteranthe, Doyle, 4-in., \$7 per 100. West End Greenhouses, Lincoln, Ill.

## GREENS.

Greens, ferns, \$1.75 per 1,000. Galax, green, 75c per 1,000; bronze, \$6 per case of 10,000. Spaghnum moss, 12 bbl. bales, \$3.50. Green moss, \$1.25 per bbl. Laurel festooning, 4c, 5c and 6c per yd. Smilax, 50-lb. case, \$6. Pine, 7c per lb. Laurel branches, 35c per bunch. Laurel and pine wreaths, \$2 to \$3 per doz. Boxwood, \$15 per 100 lbs. Crowl Fern Co., Millington, Mass.

Greens, fancy and dagger ferns, \$2.00 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Spaghnum Moss, large bales, \$1.25; Leucothoe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch, 50 lbs., \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, dagger and fancy ferns, \$2 per 1,000. Bronze and green galax, \$1 per 1,000; \$8.50 per 10,000. Leucothoe Sprays, \$1 per 1,000; \$7.50 per 10,000. Henry M. Robinson & Co., 15 Providence St., Boston, Mass.

If You Do Not Find What You Need In Our Ready Reference Department, Write Us About It.



Greens, southern wild smlax, Log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 33 W. 28th St., New York.

Greens, cut palmetto and cycas leaves, galax, leucothoe, ferns, mosses, etc., Kervan Co., 113 W. 28th St., New York.

Green galax. Geo. M. Autrey & Son, Harvard, N. C.

## HARDY PLANTS.

Hardy phlox, R. C., \$1.25 per 100. A. M. Herr, Lancaster, Pa.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

## HELIOTROPES.

Heliotrope, Miss Bernice, 2½-in., \$8 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Heliotrope, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

## HOLLYHOCKS.

Hollyhocks, assorted, 2½-in., 3c. Mosbaek Greenhouse Co., Onarga, Ill.

Heliotrope, 2½-in., \$2.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

## HYDRANGEAS.

Hydrangea Arborescens Grandiflora Alba. We have the largest stock of strong 2 and 3-year-old plants in America, at attractive prices. Inspection of stock desired. E. Y. Teas, Centerville, Ind.

Hydrangeas paniculata grandis, 18 to 24 ins., 6c; 2 to 3 ft., 9c. Dingee & Conard Co., West Grove, Pa.

## IVY.

Ivy, German or English, 2-in., \$2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

## LILACS.

Lilacs. Jacs Smits, Naarden, Holland.

## LILY OF THE VALLEY.

### To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

### From Storage.

Lily of the valley clumps, \$2.35 per doz; \$20 per 100. Vaughan's Seed Store, Chicago and New York.

Lily of the valley, cold storage, \$12.50 per 1,000. Buds, 76 Barclay St., New York.

## LOBELIA.

Lobellias, speciosa, Kathleen Mallard, B. Queen, 2½-in., \$2 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Lobelia Newport Model 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

## MYOSOTIS.

Myosotis, early flowering, 3-in., \$2.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

## MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

Mushroom Spawn. Sure crop, \$8 per 100 lbs. Weeber & Don, 114 Chambers St., N. Y.

## NURSERY STOCK.

Nursery stock, evergreens, shade and ornamental trees, shrubs, vines, trained dwarf and standard fruit trees, grape vines, small fruits. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, conifers, boxwoods, azaleas, rhododendrons, forest and fruit trees, hedge plants, etc. S. A. Vosters & Sons, Riel, Holland.

Nursery stock. Clematis, ampelopsis, tree hydrangeas, lilacs, shrubs, vines and perennials. Jackson & Perkins, Newark, N. Y.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock arbor vitae (Thuya occidentalis), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Virburnum plicatum, 2 to 3 ft., 12c. Dingee & Conard Co., West Grove, Pa.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

## ORCHIDS.

Orchids, Cattleya Trianae, Mendell, Schroederae, Gigas Sanderiana, Hardyana, aurea, Miltonia Vexillaria, Roezlii. John De Buck, 14 Stone St., New York.

Orchids importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchids, Cattleya Trianae, labiata, Warneri, Dendrobiums, Oncidium V. Rogersii. G. L. Freeman Co., Fall River, Mass.

Orchids, all commercial, cattleyas and novelties. Carillo & Baldwin, Secaucus, N. J.

Orchids. Largest stock in the country. Julius Roehrs Co., Rutherford, N. J.

Orchids, leading kinds. Gretsche & Ordenez Bros., 52 W. 28th St., New York.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

## PALMS.

Palms, Kentias, in 2½-in. pots, \$8 per 100; \$75 per 1,000. Jackson & Perkins Co., Newark, N. Y.

Palms. For varieties and prices see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Palms, Kentia Fors., 6-7-in., \$2 to \$3 each. Kentia Bel., 3-in., 10c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Kentias. Joseph Heacock Co., Wyncote, Pa.

Palms, Brooklyn Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Palms, Bobbink & Atkins, Rutherford, N. J.

## PANDANUS.

Pandanus Veitchii, 4-in., 50c each; \$5 per doz; 6-in., \$1 each; \$12 per doz; 7-in., \$2 each; \$24 per doz. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

## PEONIES.

Peonies, all vars., Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars., W. & T. Smith Co., Geneva, N. Y.

Peonies only by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

Peonies, a superb collection. Jackson & Perkins Co., Newark, N. Y.

## PETUNIAS.

Petunias, dbl. mixed or Dreer's single, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Petunias, 3-in., \$5 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Petunias, dbl., seedlings, \$2.50 per 100. Jos. H. Cunningham, Delaware, O.

## RHODODENDRONS.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

## RESURRECTION PLANTS.

Resurrection Plants.—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis E. Lester Company, Dept. 6, Mesilla Park, N. M.

## ROOTED CUTTINGS.

Rooted Cuttings prepaid, Cuphea, 75c per 100. Coleus, 60c per 100; \$5 per 1,000. Alternantheras, 50c per 100; \$4.50 per 1,000. Ageratum, 60c per 100. Dbl. petunias, \$1. Stevia, 75c per 100; \$6 per 1,000. Byer Bros., Chambersburg, Pa.

## ROSES.

ROSES, 2-in., on own roots, Wellesley, Francis E. Willard, La Detroit, Ben R. Cant, Burbank, M. Neil, Souv. de P. Notting, Apricot, Marie Lambert, Mrs. De Graw, Clothilde Souper, \$2.50 per 100; \$22 per 1,000. Veilchenblau (violet blue) novelty, heavy 2-year stock, 90c; \$9 per doz. Wagner Park Conservatories, Sidney, O.

Own root Bride, Bridesmaid, Chatenay, Golden Gate, Pink Killarney, Kaiserin and Perle, \$6 per 100. Grafted, White Killarney, \$14 per 100. P. R. Quinlan, Syracuse, N. Y.

Roses, 2½-in., White Killarney, \$8.50 per 100; \$75 per 1,000. Pink Killarney, My Maryland, \$6 per 100; \$55 per 1,000. Richmond, \$5 per 100; \$40 per 1,000. Am. Beauty, \$7 per 100; \$65 per 1,000. Kaiserin, 2½-in., \$30 per 1,000; 3½-in., \$50. Bride, 2½-in., \$25 per 1,000; 3½-in., \$40. Bench Beauties, \$45 per 1,000. Poeschmann Bros. Co., Morton Grove, Ill.

## ROSE PLANTS, 2½-INCH POTS.

|                 |     |       |
|-----------------|-----|-------|
| Kaiserin        | 100 | 1,000 |
| White Killarney | 34  | 325   |
| Mrs. Jardine    | 7   | 60    |
| Bridesmaid      | 4   | 35    |
| Richmond        | 3   | 25    |
|                 | 3   | 25    |

### WIETOR BROS.

51 Wabash Ave. Chicago.

Roses, 3½-in., My Maryland, \$6 per 100; \$55 per 1,000. Richmond, Jardine, \$5 per 100; \$45 per 1,000. Maid, Bride, \$4 per 100; \$35 per 1,000. Jardine, 2½-in., \$4 per 100; \$35 per 1,000. J. A. Budlong, 37 Randolph St., Chicago.

Roses, Crimson Rambler, 7-8-in., 75c to \$1.50 each. Dorothy Perkins, 5½ and 6-in., 35c to 60c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Roses, on own roots, budded, bedding. H. P. hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses, Bride, Bridesmaid, Kaiserin, 3-in., fine stock, \$4 per 100. Joseph Bock, Burlington, Iowa.

Roses, bench plants, 1-year, Am. Beauty and Richmond, \$30 per 1,000. Geo. Reinberg, 51 Wabash Ave., Chicago.

Roses. For prices and varieties see advertisement elsewhere in this issue. E. G. Hill Co., Richmond, Ind.

Perles, Maids, Brides, Richmonds, fine 3-in., strong, healthy stock, \$5 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Rose Kaiserin, 4-in., own root, \$40 per 1,000. W. H. Elliott, Brighton, Mass.

Roses, Bride, Maid, Golden Gate, 3-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

Roses, Bride, Maid, G. Gate, 3-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

Roses, Newport Fairy, 60c each; 20 per 100. Julius Roehrs Co., Rutherford, N. J.

New Rambler (violet blue). Ellwanger & Barry, Rochester, N. Y.

Roses a specialty. Dingee & Conard Co., West Grove, Pa.

Roses, leading varieties. Leedie Floral Co., Springfield, O.

Roses, 3-in. Wood Bros., Fishkill, N. Y.

## SALVIAS.

Salvia Bonfire and Zurich, 2-in., \$2 per 100; \$17.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Salvia Zurich, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

## SEEDS.

Seeds, Asparagus plumosus nanus, 100 seeds, 60c; 250, \$1.25; 1,000, \$4. Sprenger, 100 seeds, 15c; 250, 25c; 1,000, 75c; 5,000, \$3.25. Vaughan's Seed Store, Chi. & N. Y.

Seeds, onion, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, pansnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seed, asters, mignonette, Begonia Vernon, Cineraria, Primula Chimensis, Obconica, Salvia Bonfire and Splendens; Verbenas, Cyclamen and Pansy. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Slater Bay, Wis.

The Best Seeds for Dealers, Truckers, Plant Growers. Get price list from Francis Brill, Grower, Hempstead, N. Y.

Seeds, dwarf cauliflower and Danish Ball-head cabbage. L. Daehnfeldt, Odense, Denmark.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, Phoenix Roebeleni. Sander, T. Mellstrom, Representative, 235 Broadway, New York.

Seeds, specialties. Stocks, pansies, cyclamens, etc. Pape & Bergmann, Quedlinburg, Germany.

Seeds, Bermuda onion. Federico C. Varela, Tenerife, Canary Islands.

Seeds of all kinds. H. E. Fiske Seed Co., Boston.

Seeds of all kinds. Winterson's, 45 Wabash Ave., Chicago.

Seeds, pansy. Fred. Roemer, Quedlinburg, Germany.

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Seeds, turnips: Seven-Top, Dixie, Frost King, Prize Taker. D. Landreth Seed Co., Bristol, Pa.

Seeds, asters, Vick & Hill, Box 4613, Rochester, N. Y.

Seed, pansy, 1,000 seeds, 25c; 1 oz., \$2.25. H. Wrede, Luneburg, Germany.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds. Landreth Seed Establishment. Bloomsdale Farms, Bristol, Pa.

Seeds, Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds, Stokes' standards. 219 Market St., Philadelphia.

#### Contract Growers.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon; sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbena. Waldo Rohmert, Gilroy, Calif.

Seeds, Cauliflower and cabbage. Hjalmar Hartman & Co., 31 Barclay St. New York, and 12 Stormgade, Copenhagen.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Mette, Quedlinburg, Germany.

Seeds, growers for the wholesale trade only. Braslan Seed Growers' Co., San Jose, Calif.

Seeds, field, garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, sweet peas. Anton Zvolanek, Boundbrook, N. J.

#### SMILAX.

Smilax, strong stock for permanent beds, 2½-in., \$2 per 100; \$17.50 per 1,000; very strong plants from seed bed, 50c per 100; \$4 per 1,000. All this stock will make runners at once. Cash. Freeport Floral Co., Freeport, Ill.

Smilax, 2½-in., \$2.50 per 100; \$20 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

Smilax, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax, 2½-in. \$3 per 100. West End Greenhouses, Lincoln, Ill.

Smilax, Wood Bros., Fishkill, N. Y.

#### SPIREAS.

Spires. J. Smits, Ltd., Naarden, Holland.

#### STOVE PLANTS.

Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

#### VEGETABLE PLANTS.

Orders booked now for July delivery. Cabbage, Sure Head, Flat Dutch, Autumn King and Danish Ball Head, \$1 per 1,000; \$8.50 per 10,000. Celery, Boston Market, Golden Heart, White Plume and Giant Pascal, \$1 per 1,000; \$8.50 per 10,000. Parsley, Covent Garden, curled, 25c per 100; \$1.25 per 1,000. Lettuce, Big Boston and Grand Rapids, \$1 per 1,000. Every one a plant. Satisfaction guaranteed. We can ship by Adams, Wells Fargo, W. S. and Southern Express. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Tomato plants, all the best sorts from seed bed, \$2 per 1,000; transplanted, \$3 per 1,000. Cauliflower, Erfurt, large from seed bed, \$2 per 1,000; transplanted, \$3 per 1,000. Cash. E. Fryer, Johnstown, Pa.

50,000 sweet potato, Red Bermuda, Yellow Jersey, Early and late tomatoes, \$2 per 1,000. Early and late cabbage, \$1.50 per 1,000. Kale, Kohl Rabi, Celery, 30c per 100. Cash. Mrs. Edward Hayden, Greenville, Ill.

A large stock of sweet potato plants now ready. Yellow Nansemond, Big Stem Jersey and Early Golden, \$1.25 per 1,000; \$10 per 10,000. H. Austin Co., Felton, Del.

Vegetable plants: Cabbage and tomatoes, \$1 per 1,000. Peppers, sweet potatoes, Brussels sprouts, \$1.50 per 1,000. Cauliflower, \$2.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Cabbage plants, Wakefield, Early Summer, All Head, All Seasons and Hollander, \$1 per 1,000. J. L. Johnson, De Kalb, Ill.

#### VEGETABLE PLANTS.

Cabbage—Danish Ballhead and Early Jersey, seedlings, ..... \$1.25  
Cabbage—Danish Ballhead, transplanted 3.50  
Cauliflower—Seedlings ..... 4.00  
Cauliflower—Transplanted ..... 5.00  
Egg Plant—Seedlings ..... 3.00  
Egg Plants—Pot plants, per 100, \$2  
Peppers—Pot plants, per 100, \$2  
Tomato Seedlings ..... 2.00  
Tomato—Pot plants, per 100, \$2  
Lettuce—Grand Rapids, Hanson's Improved, Selected, Immensity ..... 2.00

MOSBAEK GREENHOUSE CO., Onarga, Ill.

Vegetable plants, beet, 20c per 100; \$1.25 per 1,000. Egg plant, 40c per 100; \$2 per 1,000. Pepper, Bull Nose, Sweet Mountain, Ruby King, 40c per 100; \$2 per 1,000; Tomato, small plants, Earliana, Early Jewel, Dwarf Stone, Champion, Ponderosa, Matchless, 30c per 100; \$2 per 1,000. Tomato, small plants, Stone, Paragon, Favorite, Success, 20c per 100; \$1 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

#### VERBENAS.

Verbenas, 2-in., \$2 per 100; \$13.50 per 1,000; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

40,000 Verbena plants in bud and bloom, \$20 per 1,000. Coleus plants at same price. J. L. Dillon, Bloomsburg, Pa.

Verbenas, 2½-in., \$2 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

#### VINCAS.

Vinca minor, the hardy vinca for cemetery planting and under trees, where grass will not grow; well rooted layers, \$1.50 per 100; \$10 per 1,000. E. Y. Teas, Centerville, Ind.

Vinca variegata, extra strong stock well set with leads, ready for shift, 2½-in., \$2 per 100; \$18 per 1,000. Cash. Freeport Floral Co., Freeport, Ill.

Vinca variegata, 5-in., 18c, extra fine. Vinca minor, field-grown, \$4 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Vinca variegata, 2,000 2-in., at 1½c; 3-in., 2½c; 4-in., 7c; all good stock. John S. Leach, Hartford City, Ind.

Vinca variegata, 4-in., \$3 per 100. J. S. Hennon & Son, Wampum, Pa.

Vinca, 2½, 3 and 4-in., \$3, \$5 and \$9 per 100. West End Greenhouses, Lincoln, Ill.

Vincas, 4-in., green and var., \$10 and \$12 per 100. W. W. Coles, Kokomo, Ind.

#### BOILERS.

Forty horse-power boiler for steam or hot water, almost new. Write for price. C. C. Pollworth Co., Milwaukee, Wis.

Gem City Return Tubular Firebox boilers. The Gem City Boiler Co., Dayton, O.

#### GLASS.

Glass 16x18 double A glass. Write the C. C. Pollworth Co., Milwaukee, Wis.

#### GLAZING POINTS.

Glazing points, Lord & Burnham special glazing nails (points), Lord & Burnham Co., 1133 Broadway, New York.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc never-rust glazing points, 2 sizes, ¾ and ¾, 40c per lb.; 16c extra by mail; 7 lbs., \$2.50; 15 lbs., \$5 by express. Randolph & McClements, Baum & Beatty Sts., Pittsburg, Pa.

#### GREENHOUSE CONSTRUCTION.

Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings & Co., 1170 Broadway, New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk, Chicago.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction, builders of modern greenhouses. Myers & Co., 1122 Beta Bldg., Philadelphia.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

#### GUTTERS.

Gutters, Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters, cast-iron. Lord & Burnham Improved V-shaped gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, New York.

Gutters, Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

#### MISCELLANEOUS.

Meyer green silkline. \$1.25 per lb., 8 spools to lb. Meyer violet thread for violets, \$1.25 per doz. spools of 500 yards each. John C. Meyer Co., 1449 Middlesex St., Lowell, Mass.

Rocking grate bar, saves 10 to 25 per cent coal. U. S. Rocking Grate Bar Co., 77 Jackson Blvd., Chicago.

Richmond carnation supports, rose and mum stakes. Eagle Machine Works, Richmond, Ind.

The Mastin Automatic Whitewash and Spraying Machine. J. G. Mastin & Co., 3124 W. Lake St., Chicago.

Plant bed cloth, waterproof sheeting, hay caps, etc. Henry Derby, 123 F. Chambers St., N. Y.

Pulverized Sheep Manure, Sheep's Head Brand. Natural Guano Co., Aurora, Ill.

Pillsbury's Carnation Staple, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

#### PIPE.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks. U-bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., Western and 26th, Chicago.

Pipes and fittings, cast iron and wrought pipe, valves, elbows, pipe hooks, automatic air headers, etc. Lord & Burnham Co., 1133 Broadway, New York.

Iron fittings, patent iron bench fittings and roof supports. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Pipe and fittings. S. Jacobs & Sons, 1367 Flushing Ave., Brooklyn, N. Y.

Pipe, valve fittings. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Four-inch pipe, 8c per foot. C. C. Pollworth Co., Milwaukee, Wis.

#### POTS, PANS, ETC.

"NUFF SED." Best red pots are made by Geo. E. Feustel, Fairport, Iowa.

Pots, before buying write for prices. Geo. Keller & Sons, 2614-22 Herndon St., Chicago.

Pots, florist red. Peters & Reed Pottery Co., Zanesville, O.

Pots, Syracuse red. Syracuse Pottery Co., Syracuse, N. Y.

Neponset waterproof paper flower pots. Vaughan's Seed Store, Chicago & New York.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots, Standard, all sizes. A. K. Kohn, 2934-38 N. Leavitt St., Chicago.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

#### STAKES.

Cane Stakes. Standard grade 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000.

Pipe stems about 6 feet per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

#### STEAM TRAPS.

Steam traps, the Standard return steam trap has no equal for its simplicity of working. E. Hippard, Youngstown, O.

Morehead Return Steam Traps, Morehead Mfg. Co., 1047 Grand River Ave., Detroit.

Detroit return traps. American Blower Co., Dept. A. F., Detroit, Mich.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It



# NOTICE.

## Canadian Florists

We have established selling agencies at Montreal and Port Dover, Ontario, where you can obtain

# APHINE

from  
**DUPUY & FERGUSON,**  
38 Jacques-Cartier Square, Montreal,  
and

**THOMAS A. IVEY & SONS, Ltd.,**  
Port Dover, Ontario.

We desire to establish agencies in other Canadian territories and will be glad to hear from reputable firms, having proper facilities to introduce Aphine among their trade.

**Aphine Manufacturing Co.**  
**MADISON, N. J.**

### Sheep's Head Brand

## Pulverized Sheep Manure



The Ideal  
Plant Food  
for Florists.

Write to  
day for  
Prices and  
Booklet.

**NATURAL GUANO COMPANY,**

**Aurora, Ill.**

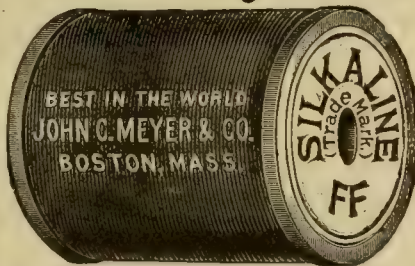
### Waterside Lobellias.

The rapid spread of waterside gardening has brought many sterling groups of plants into greater prominence, and among these one notes the tall, moisture-loving lobellias. In the past lobelia culture has hinged chiefly upon *L. erinus* and its varieties, which have enjoyed a high degree of popularity as dwarf bedding plants.

But now it is the tall lobellias that call for notice, and with the prevailing taste in garden adornment, which one may aptly characterize as "natural," there certainly opens up a wide field for such decorative subjects as these. The situation "par excellence" for them is the bog garden or the waterside, where they can revel in the necessary moisture, and at the same time have the benefit of an open, sunny exposure. The same conditions which one associates with the Japanese and other moisture-loving irises will be found equally suitable for these lobellias, and, despite their character of not being quite hardy, they can be widely utilized for beautifying the water margins, and for naturalizing in boggy situations.

Some very charming scenic effects have been created by planting these lobellias extensively by the sides of lily pools, and whether grouped alone, or in conjunction with astilbes, lythrums, epilobiums, lysimachias, spiræas, bog

## The "Meyer Green Silkaline"



is the only Green Thread that should be used by florists and growers. It is guaranteed full weight and full measure.

Also **Violet Thread** for tying up Violets. Price of both, \$1.25 per lb.

For sale by all first-class supply houses. If your dealer does not carry it in stock, write us direct, giving us his name.

**JOHN C. MEYER & CO., 1449 Middlesex St., Lowell, Mass.**

## Evergreen Brand Flower Fertilizer.

A Pure Plant Food immediately available. It permanently enriches the soil. It prevents the onslaught of plant diseases or insect pests. Can be used at any time during the growing season, dry or in solution. Put up in 12 pound cans, Price, \$2.00 each.

**For Sale by Leading Jobbers**

Further information can be obtained from

**D. D. JOHNSON CO., Manufacturers,**  
**64-66 Wabash Ave., CHICAGO.**

## The Mastin Automatic Whitewash and Spraying Machine Is Reliable, Practical and Durable



The tank is made of galvanized sheet steel, and in brass. The pump is of brass throughout, simple and powerful. The mixing device keeps the contents of the tank well stirred up from start to finish. When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

All parts are made to gauge and may be had for repairs. Ask your dealer about our **Extension Hose, Extension Rods,** and the **Mastin Whitewash Nozzle** for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

**J. G. MASTIN & CO., 3124 West Lake St., CHICAGO, ILL.**

## Cattle Manure in Bags Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

### Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

**The Pulverized Manure Company**  
**32 Union Stock Yards, Chicago.**

primulas, etc., they are certainly capable of producing very satisfactory results. Culture is not difficult in the case of these subjects, but with *L. cardinalis*, *L. fulgens*, and several other of the finer hybrid forms, we would advise lifting them, and wintering them in a cold frame, but *L. syphillica* and its varieties may be trusted to take good care of themselves during the cold season, though a light mulching of littersy manure or a little bracken would do no harm.

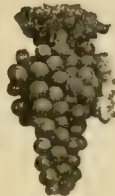
Of the various species and varieties which are suited for the purpose in

Has stood the test of over a Quarter of a Century.

## THOMSON'S Vine, Plant and Vegetable MANURE

UNRIVALLED FOR

Vines.  
Tomatoes.  
Cucumbers.  
all Flowering.  
Foliage and  
Fruit bearing  
Plants.  
Vegetables.  
Lawns, etc.



The result of many years practical experience.

**PERFECT PLANT FOODS**

Sold by Leading American Seedsmen.

— ALSO —  
**Thomson's Special Chrysanthemum and Topdressing Manure**

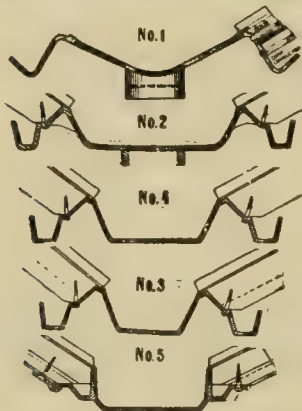
Freight paid on quantities. Write for our special offer to the American trade pamphlets, agents' circulars, etc., to sole makers,

**WM. THOMSON & SONS, Ltd.,**  
**Tweed Vineyard, Clovenfords, Scotland**

view none are better known than *L. cardinalis*, a sterling gem, with scarlet blossoms and greenish foliage, which usually grows, in moisture, about three feet in height. A useful variety of



## A Gutter With a Reputation



Ask the man who has tried them. For further particulars, write to

**GEO. M. GARLAND CO.,**  
DES PLAINES, ILL.

this is Nanseniana, a dwarf, sturdier form, possessing a good habit, with rich crimson flowers, and foliage of a more bronzy hue. *L. fulgens*, with its intense crimson-purple leafage and stems, and its rich-scarlet blossoms is of great value for the water-side. It is usually taller and stronger than *L. cardinalis*, and with its rich coloring makes a fine contrast to green-foliaged plants. Its variety *Gigantea* is even grander than the type. It is moulded on nobler lines, the tall, massive spikes of large brilliant-hued blossoms giving a blaze of color.

In *L. syphilitica* we have a species which has not only good qualities of its own, but has also assisted in the production of many of the finest hybrid forms. The type ranges in height from two to three feet, two and a half feet being a good average. The foliage is deep green, rough, and covered with fine hairs, and the flowers are light blue, freely produced upon leafy spikes. Its principal varieties are *Violacea*, a rich deep violet gem; *Rosea*, a bright rosy-carmine; *Alba*, a pure white, useful as a contrasting color; and *Superba*, a strong-growing rich blue of decided merit. A good companion to the preceding is the sessile-leaved species from northern China, *L. sessilifolia*. It is a strong, hardy species, about the same height as *L. syphilitica*, with leafy spikes and violet-purple blossoms.

Some of the new world lobelias are very worthy of notice, but are not sufficiently hardy to winter outside in many places. Chief among these is *L. Cavanillesi*, a Chilian species, with yellow flowers, which in good soil attains a height of three feet. Others worthy of culture are *L. laxiflora*, a pretty Mexican species, with handsomely foliaged spikes of red and yellow flowers, which is probably related to the previous species; and *L. Tupa*, a tall rarity from South America, with leafless spikes of deep red blossoms. The hybrid varieties are many, and some of the best-defined forms call for notice. It is interesting to note that the majority are of the progeny of *L. syphilitica*, crossed with *L. cardinalis* and *L. fulgens*.

A small but representative collection of these hybrids would include *Miller*, a rich purple, with grand habit; *Papillon*, a good pure white; *Gerardi*, a fine, soft, rosy violet; *Rivorei*, pretty blush-pink, with rich bronzy foliage; *Carmine Gem*, a rich, bright carmine; *Rosea* (or *Rosea Ardens*), a gloriously distinct gem, brilliant rose in color;



### An Unusual Greenhouse.

Perched on a hillside with all sorts of construction difficulties to overcome, it meets the demands not alone of being practical, but equally well the requirements of ornamentalness. The workroom is underneath—the palm house is curvilinear—the rest of the houses curved eave—construction is our Iron Frame.

Erected at Oakdale, N. J.

**HITCHINGS & COMPANY, New York, 1170 Broadway.**

Use our patent  
Iron Bench  
Fittings and  
Roof Supports.



THE JENNINGS IMPROVED  
IRON GUTTER.

IMPROVED VAPORIZING PANS

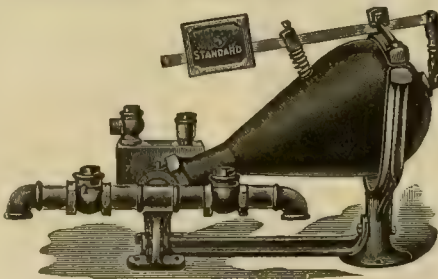
For Tobacco Extracts, etc. Send for Circulars.

**DILLER, CASKEY & KEEN,**

S. W. Corner Sixth and Berk Streets

PHILADELPHIA.

VENTILATING  
APPARATUS.



## The Standard Steam Trap

Has established a record far above that of any other trap for florists; being very simple, durable and easily taken care of.

Catalogues of the Trap, Duplex Gutter, and Standard Ventilating Machinery, mailed free upon application.

**E. HIPPARD, Youngstown, O.**

Distinction, a strong-growing, rich crimson with purplish shading; *Firefly*, a glowing vivid fiery-red, and *Ibis*, rosy-scarlet, with a suffusion of salmon.

The ease with which these lobelias can be raised from seed, places them at the service of all classes of garden-lovers, and there is no reason why these plants should not rise greatly in public favor during the next few years. Plant boldly. It is the bold, free groups of the lobelias that produce telling effects. Do not be too sparing of the number of plants put out; make large groups, which will give a distinctive feature to the scene, and do not let them lack manure, for they are gross feeders.

Tarrytown, N. Y.

The regular monthly meeting of the Horticultural Society was held in its rooms on Friday, May 27, 1910, a goodly number of members being present. The monthly prize, donated by Wm. Scott, for 12 vases of hardy outdoor flowers was won by Robt. Angus, gardener for Joseph Eastman. The exhibit consisted of six lots in all and made a fine display. The finishing touches were put on the schedules for the June and fall flower shows. It

Write to us about

## Materials and Plans

for any size and style of

## GREENHOUSE

for new structure or repairs.

**Hot Bed Sash** In stock or any size required.

**Pecky Cypress**

for benches, lasting and least expensive.

**The Foley Mfg. Co.,**

Western Ave and 26th St.

CHICAGO.

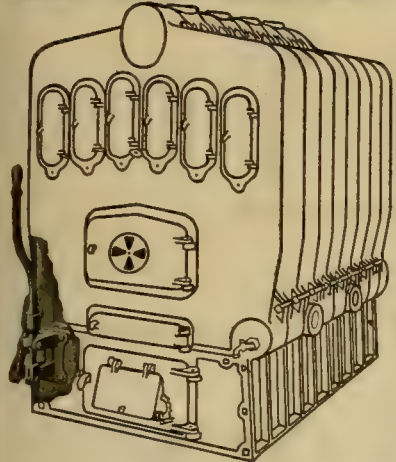
was decided to hold the summer show on June 14. These schedules are now ready and may be had upon application to Secretary E. W. Neubrand.

The matter of the annual outing was taken up and discussed, and the old committee — John Brunner, James Smith and Wm. Scott — was again appointed with power to make all necessary arrangements. Samuel C. Horn, superintendent for James Speyer of Scarborough, was elected to membership.

W. S.



## The Burnham



Grates shake easy—shaker arm is a powerful lever—grates smash the clinkers and do not jam—no bolts or grate connections to burn off.

**LORD AND BURNHAM CO.**  
IRVINGTON, N. Y.

New York.  
Philadelphia.

Boston.  
Chicago.

## Steel Return Tubular Boilers

The Most Economical Type of Boiler for Greenhouse Heating. Highly recommended by well-known florists.

**JOHNSTON HEATING CO., 138 E. 31st St., NEW YORK.**

### Ornamental Gourds.

Climbers of annual duration add considerably to the interest and enjoyment of a garden during summer, and although the principal feature of interest lies in the majority of instances in the flowers, says the Gardeners' Magazine, there are a notable few which are employed for their attractive foliage, and yet another section is admired for the ornamental character of its fruits.

To this latter class belong the ornamental gourds, whose vigorous growth proclaims them as being pre-eminently adapted for producing a screen or for quickly covering undesirable features, while the bold outline of the leaves, forming as they do a pleasing contrast to the brightly-colored and quaintly formed fruits, makes them novel features for covering such structures as pergolas, or light trellis work. The rapidity of gourd growth is proverbial, and the month of June being considered quite soon enough for planting in the open with safety, it is therefore a wise policy not to start the seed too early, otherwise the plants are starved before planting out. The end of April is a suitable time for making a start, and the seeds should be put singly in small pots containing light, rich soil, and in a gentle heat. Germination takes place in a few days, and as the plants rapidly fill their pots with roots, care must be taken to give a shift into larger pots before they become root bound, and by encouraging free and uninterrupted growth and with subsequent care in hardening off, they readily take to their summer quarters without any appreciable check.

Trained to vertical poles they are the most effective for the display of their fruits, but in this system all laterals require stopping beyond the first fruit formed, as the minimum crop is

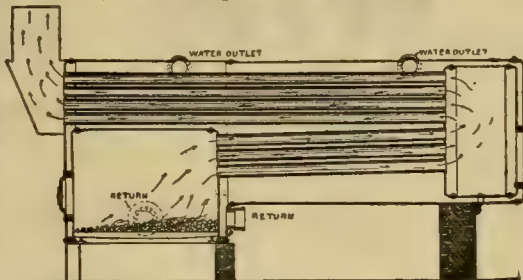
## The Superior Standard

### RETURN FLUE FIRE BOX BOILER

contains more heating surface, and less water space than any other steel boiler.

$\frac{2}{3}$  of the heating surface is in the tubes.

Ask the man that knows the one using different style boilers—names are yours for the asking.



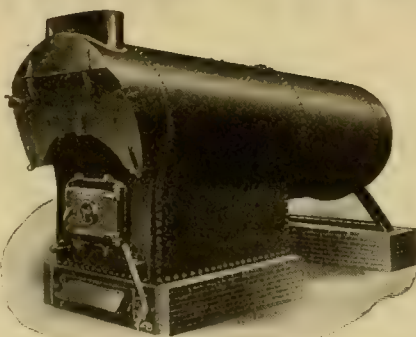
After using our boiler one season, you will say like all others: Nothing but "Superior" for me.

This boiler has given better satisfaction than any other boiler on the market

MADE IN NINE (9) SIZES FOR HOT WATER.

Send for catalogue and list of growers that are using this boiler.

**THE SUPERIOR MACHINE & BOILER WORKS, 840-850 Superior St., Chicago.**

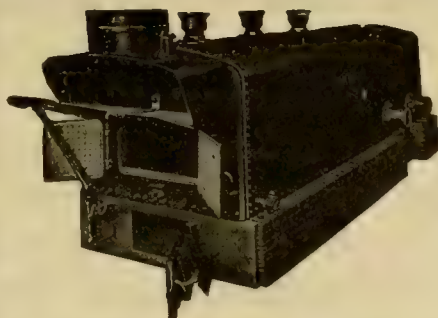


## The Gem City Return Tubular Firebox Boilers

Are the most economical for Greenhouse heating.

Send for descriptive matter and prices.

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DAYTON, OHIO.



## SEE HOW WELL THEY LIKE ME

150 New Establishments with 2,158,000 square feet of glass have installed this boiler in 1906.

Ask for list of users and get acquainted with the men who know.

Catalogue and prices on application.

**KROESCHELL BROS. CO., 452 W. Erie St. CHICAGO.**

thus secured. When employed as a screen upon trellis work, it is generally necessary to encourage a definite number of these lateral shoots, and to this end, the lead should have the point pinched out when the main shoot has attained the desired height.

Gourds delight in a light, rich soil, consisting of equal parts of loam, leaf-soil, and well-decayed manure, and during the summer months frequent supplies of water with the drainings of the cow-house, or some approved fertilizer, applied at frequent intervals, promotes luxuriant growth and materially assists in the development of the fruits, while it often prevents the plants from an attack of mildew to which the foliage is very susceptible in periods of drought.

## WILKS' Hot Water Boilers ARE THE MOST ECONOMICAL Boiler for Greenhouses

No Night Fireman Required  
with our

**SELF-FEEDING HOT WATER BOILERS.**

Send for Catalog and Prices.

**S. WILKS MFG. CO., 3503 Shields Ave. CHICAGO.**

**Tell Them Where You Saw the Advertisement.**



# **NOW READY**

—The American Florist Company's—  
**Trade Directory**  
—For 1910—

Contains 570 Pages.

Price \$3.00 Postpaid.

**T**HE AMERICAN FLORIST COMPANY'S Trade Directory for 1910, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 570 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States, Canada, Central and South America arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms Which Issue Catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, Seed Growers, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

**American Florist Co.**  
324 Dearborn St., Chicago.



## The Allied Trades

Descriptive particulars—with drawings or photographs, if possible—of any new apparatus or device which may prove helpful to the trade are solicited for this department.

### Concrete Benches.

The subject of benches is always a vexed one and some growers still cling to the idea that there is some remarkable property in wood that gives vigor to the plants, or at least that concrete benches are for some reason unsuitable. It is only necessary to go into some up-to-date place where concrete has been used and to see the excellent stock grown on these benches to refute that. Often when building operations are in progress there is a rush to get the benches up and planted and wooden benches can be fixed in half the time necessary to build concrete ones. But this does not alter the fact that the latter are eminently suitable and satisfactory for every class of plant grown. Wherever houses are to be built everything should be in readiness before hand, the benches as much as anything else. There are many different patterns used and, provided the material is sufficiently reinforced to stand the strain, one is probably as good as another. But, besides what may be termed portable benches, a cheaper form is the solid concrete bed and this has been used with great success in many places. Here it is imperative to wait before planting but much can be done to forward matters by having all planks and other material ready for the forms and a sufficient quantity of cement and filler ready so that no time is wasted when ready to go ahead. When these benches are once built they are there to stay, being practically indestructible and needing no repairs. Here is where they have the advantage over wood, which, no matter what quality of lumber is used, requires renewal or repairs after a few years.

COMMERCIAL.

### Wright "Victor" Steam Traps.

The Wright "Victor" low pressure continual flow steam trap is designed and constructed for use in all steam systems where the pressure ranges from nothing up to 20 pounds, which adapts it admirably to use in greenhouse heating systems. A large valve opens as the float rises with the incoming condensation and discharges the water regardless of whether the flow is very minute or of flood proportions, without steam waste in the operation.

The very simple nature of the device, together with the fact that a water seal at both inlet and outlet prevents any possible steam waste, makes it especially attractive to the greenhouse operator who is looking for the most effective but non-complicated mechanical device for this or any other purpose he can possibly find. The "Victor" trap is made and sold by the Wright Manufacturing Co. at Detroit, Mich., with the distinct understanding that it must prove highly efficient and satisfactory under

# High Quality Not High Prices

Whenever we make a piece of material it is our aim to turn out the very best that can be produced; high quality is our object for nothing else will satisfy the man who wants to build a greenhouse and make a success. There can be no success without this striving after quality; without there be an effort to produce something better than was produced before. The man who believes in selling poor stock, low class goods, and gets what he can for his work, never progresses or succeeds permanently. We are working hard to make our construction more modern, to improve our patterns and our methods of manufacture, we must keep up with the times and stand at the head of the procession or drop out of the line. Prices are to be considered of course, in everything, but it's quality that counts after all. You forget the price but you don't forget the quality—

It's not what you pay but what you get for what you pay—that is economy.

Send for our Catalogues:  
No. 4 Greenhouse Materials.  
No. 5 Boilers.  
No. 6 Pipe and Fittings.

John C. Moninger Co. 902 E. Blackhawk St., Chicago.

## "GREENHOUSE MATERIAL"

300,000 feet of Standard Pipe, all sizes, will be cut to any length.

### BUILDING MATERIALS AND SUPPLIES

Marvelous bargains in Greenhouse Sash and Building Material of all kinds. Corrugated Roofing and Siding, Structural Iron, Gutters, Eave Spouts, Hydrants and Valves, 10,000 feet Rubber Hose, Soil Pipe, Plumbing Material of all kinds. Feed Pumps, Flower Pots, etc. Thousands of other articles of interest to Florists or Greenhousemen. We can save you from 30% to 75%.

Send for our new 500-page Catalog No. 47. Free upon request.

CHICAGO HOUSE WRECKING CO.,

35th and Iron Sts., Chicago.

proper installation or be returned to the makers at their expense of transportation both ways.

### Handy Handbook of Greenhouse Materials.

The "Handy Hand-book of Greenhouse Materials" is a little catalogue published by Lord & Burnham Co., New York and Chicago. But it is more than a catalogue. There is a lot of very useful information in it and it is full of interest to those who are thinking of any building or alterations to houses, whether they are users of the Lord & Burnham specialties or not. All classes of greenhouse construction are shown and the component parts are shown in detail by distinct and easily understood sectional and other drawings. There are useful tables for finding boiler capacities, comparisons of pipe surfaces and copious instructions as to the management and upkeep of boilers. The automatic pipe head and air vent is a simple but effective method of doing away with air cocks, vertical pipes or anything else at the higher portions of a heating system. It is arranged for the ordinary coils and for overhead heating in different patterns and the price is low enough to bring it into general use everywhere. Every kind of fitting, either for greenhouse

construction or heating is fully described and illustrated and it is as its name implies a mighty "handy" book to have around.

### Greenhouse Building.

Greenwich, Conn.—Estate of R. A. C. Smith, Field Point park, one greenhouse and one palm house.

Scranton, Pa.—Ira Marvin, one greenhouse 11 x 68 feet.

Allentown, Pa.—John H. Sykes, one greenhouse.

### South Bend, Ind.

Business for Memorial day was unusually heavy although it was anticipated by many buyers who had orders in days in advance. Growers and retailers, with the kind assistance of the weather man, also anticipated the demand with generous supplies of flowers of all kinds, and this, together with good prices, made the day a pronounced success. Outdoor peonies and narcissi, notwithstanding the "bear stories" of our neighbors, were here in quantities, the former retailing at from \$1.50 per dozen and up. Even lilies were impressed into service and sold well. Cape jasmine is becoming popular here as a Memorial day flower and retailed at 50 cents per doz., and there was a fair demand for pot hydrangeas and spireas.





**MASTICA**  
FOR Greenhouse Glazing  
**USE IT NOW.**  
**F.O. PIERCE CO.**  
12 W. BROADWAY  
NEW YORK

MASTICA is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass, as occurs with putty. Lasts longer than putty. Easy to apply.



**THE BEST**  
**Bug Killer and**  
**Bloom Saver**

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**INSECTICIDE AND FUNGICIDE**  
For the Garden, Orchard and Greenhouse  
Non-poisonous and harmless  
to vegetation.

Kills Green Fly, Aphides, Bark Lice,  
Thrips Mealy Bug, Red Spider,  
Scale, Wire Worms, Ants  
and Slugs.

This is the grower's friend. Handy to  
use, cheap and effective, mixes readily in  
water. Destroys all insect pests and  
keeps down filth. Circulars on appli-  
cation. \$1.50 per gallon. Also in  
quarts, half gallons and in bulk.

**PERFECTION CHEMICAL CO.,**  
FLUSHING, N. Y.



**This**  
**Kills**  
**Mildew**  
Every Time.

For particulars  
write

**BENJAMIN**  
**DORRANCE,**  
Rose Growers,  
Dorranceton,  
Penna.

*green flies and  
black ones too*

are easy to kill with  
**The Fumigating Kind Tobacco Powder**  
\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back;  
why try cheap substitutes that makers do  
not dare to guarantee?  
**THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.**

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## GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.  
Quality A. No. 1. Prompt shipments.

## Hooker's Greenhouse White Paint

The most durable white paint for this purpose.

Half barrels, (26 gallons) per gal., \$1.70. 5 gal. pails, per gal., \$1.75

## H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

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Lock the door before the horse is stolen,  
and insure your glass before it is broken.

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**JOHN G. ESLER, Secretary**  
SADDLE RIVER, N. J.

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**Galvanized Wire Rose Stakes and Tying Wire**  
**IGOE BROTHERS**

Manufacturers of the Model Plant Supports for  
Carnations, Dahlias, Golden Glow, Peonies  
Chrysanthemums and Tomatoes.

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## Wired Toothpicks

10,000, \$1.75; 50,000, \$7.50. Manufactured by

**W J. COWEE,** Berlin, N. Y.  
Sample free. For sale by dealers.

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122 W. 25th St., NEW YORK.

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We Manufacture all Our

**Metal Designs, Baskets, Wire Work,**  
**and Novelties,** and are dealers in **Glass-**  
**ware, Pottery, Decorative Greens** and  
all Florists' Requisites.

**Holds Glass**  
**Firmly**  
See the Point **AT**  
**PEERLESS**

Glazing Points are the best.  
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**FULL SIZE**  
**Nº 2**



## Superior

**Crimped**  
**Invisible** **Carnation Staple**

PATENT APPLIED FOR.)

For repairing split carnations. 1000 for 50 cents  
Postpaid. Sample free.

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# THE AMERICAN FLORIST



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Vol. XXXIV.

CHICAGO AND NEW YORK, JUNE 18, 1910.

No. 1150

## THE AMERICAN FLORIST

TWENTY-FIFTH YEAR.

Copyright, 1910, by American Florist Company.  
Entered as Second-Class Matter Nov. 11, 1891,  
at the Post Office at Chicago, Illinois,  
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY  
**AMERICAN FLORIST COMPANY,**

324 Dearborn St., Chicago,

Long Distance Phone: Harrison 7465.

Eastern Office: 1133 Broadway, New York.

Philadelphia, Pa.: Robt. Kift, 1725 Chestnut St.

Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a  
year; Canada, \$2.00; Europe and Countries  
in Postal Union, \$2.50. Subscriptions  
accepted only from the trade. Vol-  
umes half yearly from August, 1901.

Address all correspondence, subscriptions, etc.,  
American Florist Co., 324 Dearborn St., Chicago.

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Second National Flower Show, Boston, Mass.,  
March, 1911.

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## HALF HOUR CHAPTERS FOR PLANT GROWERS

### Begonias.

The tuberous rooted begonias are now rapidly advancing for flower and should be arranged in a cool light house with sufficient shading to break the hottest rays of the sun. Keep them well apart and water carefully. There may still be a little thinning of the shoots necessary for the later plants and the shoots on the earlier ones will probably require a little support. A few small neat stakes and ties are all that is necessary and these will be completely hidden as the foliage develops. The Gloire de Lorraine section will not be growing very fast as yet and all that is necessary is to keep them clean and avoid overwatering, stirring the surface soil occasionally. Many of the winter flowering shrubby species can be propagated by cuttings now. They root easily in the ordinary cutting bench and will make nice little stock for winter and early spring. The Rex varieties may also be propagated freely now, either by cutting up the stems into lengths of about an inch or by means of the leaves. The various types of begonias are interesting and showy plants, of which there is seldom an oversupply, as they are useful in such a variety of ways.

### Rambler Roses.

Any left over plants of rambler roses that are healthy should be kept inside and allowed to finish their growth. They will be far better for early forcing next season than plants lifted from the open or imported stock. If they are in small pots a shift may be advisable, using a good, sound, loamy soil and ramming it in the pots firmly. Place the plants at a fair distance apart and keep them well sprayed daily. Encourage the growth of the long, cane-like shoots rather than the smaller spray. If a bush form is desired the shoots may be pinched to form it, but a natural shaped plant is best usually. A cool, airy house or frame suits them best, and as soon as the growth is ripening up a little they can go outdoors, the

pots being plunged in ashes to their rims to keep the sun from the roots. Water freely at all times and give occasional waterings with liquid manure. By the fall the growths will be hard and have vigorous buds that answer readily to a little heat and will make elegant stock for winter sales. Any of the varieties may be treated this way, though the old Crimson Rambler, Dorothy Perkins, Lady Gay and Hiawatha are among the easiest to force. Tausendschon does better if allowed to come along more slowly, but the summer treatment is the same for all.

### Cyclamens.

Cyclamens are now, or should be, at the height of their growing season, and the utmost care is necessary that nothing in the nature of a check to growth occurs. From this time on the cyclamen needs a more or less heavy shade and a moist atmosphere. In dry, sunny, arid houses or frames the plants simply exist; the growth is slow and weak, nearly always insect infested and generally unsatisfactory. But in a correct growing atmosphere the plants thrive, producing large, vigorous foliage that insures fine, healthy crowns being finished up for flowering later. There is usually plenty of room at this season and the cyclamens of all sizes should, if possible, be put into a clean house and given a stand on clean benches. Ashes, shingle or some other moisture holding material should be placed on the stages, as this is better for the plants than standing on a dry wooden stage. They should be given plenty of room to allow for spraying between the pots several times daily, this maintaining the requisite atmospheric moisture around them that keeps thrips and other insects in check. A sharp lookout must be kept for insects of all kinds and, wherever a leaf is seen turned, examine it; it will probably be found that spider, thrips or green fly has taken possession. Such leaves should be removed on sight, as they will never be any good



to the plant, and when they are seen it is a sign that insects are likely to become more troublesome, so fumigate lightly on two or three successive evenings to put an end to them. Light spraying, with the finger on the hose connection or syringe, underneath the leaves is a far better plan than spraying heavily overhead, as is sometimes done. It has a better effect on the plants, does not sour the soil and the moisture in the atmosphere can be kept up just as well by dampening the floors and between the plants on the stages. Shifting the young stock on in all sizes should be regularly attended to. Never allow the plants to become hard in the pots, as this causes a check to growth, while the shift must not be given too early or the roots will have too much soil around them, rendering correct watering difficult. While a reasonable amount of air is necessary, the shading will keep the house fairly cool, so avoid draughts should cold winds occur.

#### Cleaning Up.

Although in a well regulated plant-growing establishment there are never any empty houses for long, yet after the bedding stock and Memorial day plants are all cleared out and the stock of greenhouse plants that need this attention taken to the open air, there is considerable of a hiatus, and that is the time usually chosen for a general clean up. It is the one time of year when a house can be thoroughly cleared for, even if there are a few plants in it, the weather is usually warm enough for them to be taken outside and a little shading put over them, or to a shed while the cleaning is going on. The first thing to do is to thoroughly hose down every portion of the house, roof, stages and all, and to keep it wet while scrubbing the glass, sashbars and other wood work and so driving out any spiders or other insects that, during the winter season, have made their homes there. The benches will be next to have attention, any repairs necessary being carried out and all thoroughly scrubbed. If there is any rubbish around under the benches let it all be raked out and all old pots or any other litter taken clean away. At the same time see if any leaks in the pipe joints exist, and if so have them fixed. Attend to any valves that may be stuck, see that the ventilating gear is oiled and in proper running order, and place fresh ashes or shingle on the benches. When all is complete leave full air in the houses for a couple of days and nights and, before placing any stock back on the benches, sprinkle a little soot and lime on the surface of the benches and all around underneath. Then see to it that all plants as they are returned to the houses are clean and free from insects, and as good a start as possible for next season will have been secured.

GRAND FORKS, N. D.—Business has been good all through the spring months and we cannot get enough stock. All the local flowers were ruined by the heat in March, followed by ice and snow later.

## THE RETAIL TRADE

### Attractive Home Wedding Decorations.

SEE SUPPLEMENT WITH THIS ISSUE.

Home weddings form at once a profitable work for the retailer and a chance for him to show his skill. A fine decoration carried out recently at Washington, D. C., is a case in point. In the parlor, where the ceremony took place, was arranged a canopy of southern smilax, interspersed with clematis and Bride roses, and showered with the same flowers. A group of plants, arranged to form a semi-circle, was used in connection with the canopy. The mantel arrangement was of maidenhair fern plants, interspersed with white roses, clematis hanging over the edge of the mantel. The chandelier was decor-



Bridal Bouquet of Orchids.

ated with *Asparagus plumosus*, interspersed with white roses.

The library mantels and the chandelier were decorated with pink roses. The dining room mantel was treated with pink roses, maidenhair ferns and clematis, the centerpiece being made of Killarney roses and lily of the valley. On the chandelier, asparagus and pink roses were used. The arches over the stairways and the balustrades were decorated with southern smilax. A cluster of hydrangea and clematis vine was fastened with white satin ribbon to the newel posts. Southern smilax was used over all doorways, and wherever it would lend to the gracefulness of the entire decorations.

#### Orchids for Bridal Bouquets.

The wide-spread popularity of cattleyas somewhat overshadows the many other beautiful orchids in general decorations, but in bouquet making, if a graceful and telling effect is to be produced, other varieties and species must be added. Cattleyas of the labiata section alone, no matter how well arranged, are inclined to be flat in effect and there is also a good deal

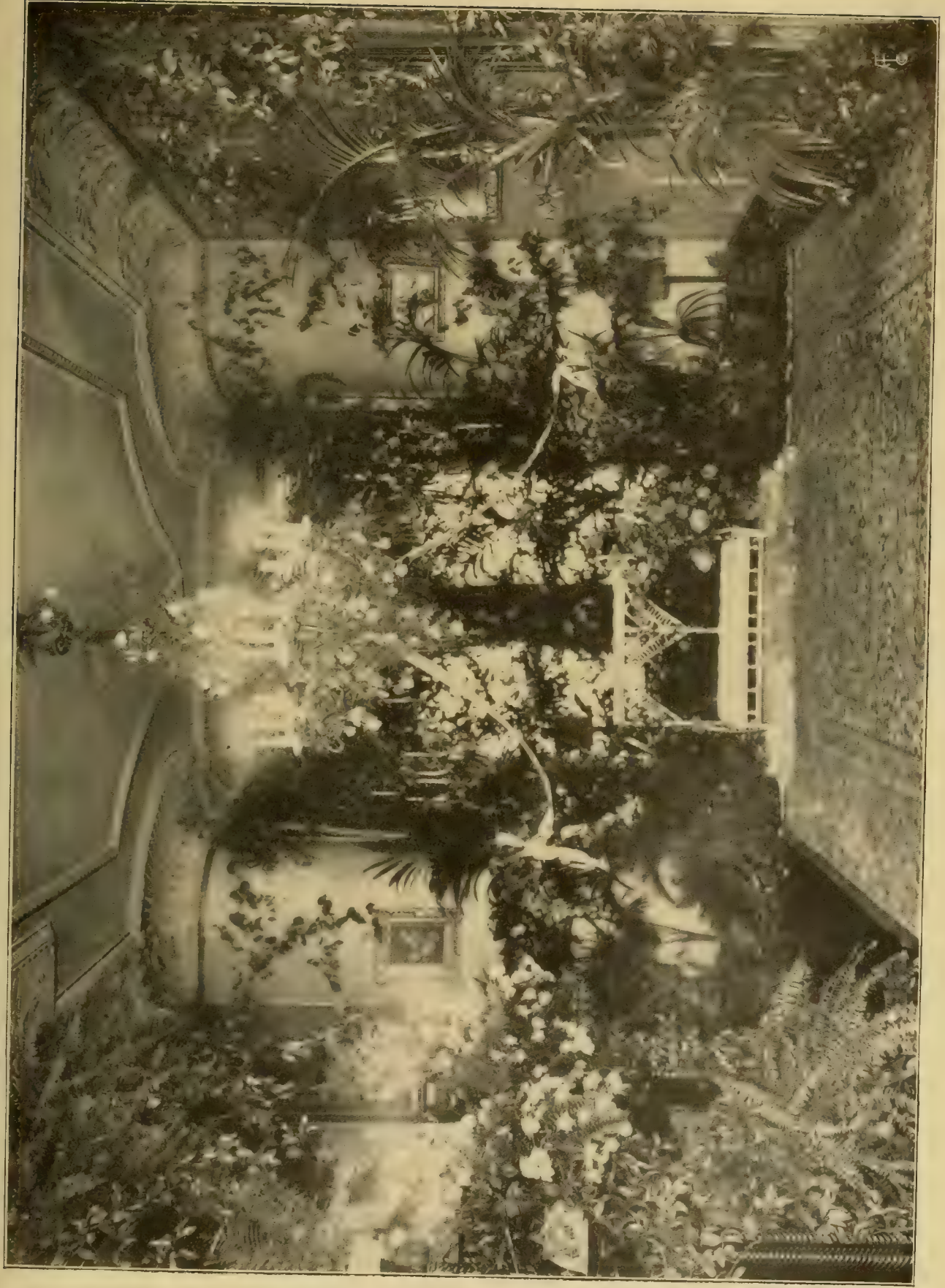
of sameness in their color. Old time florists will recall in this connection the pretty *Oncidium flexuosum* with its light, airy scapes of pure, clear yellow flowers on wiry spikes and individual flowers stalks so light that they were almost invisible at a little distance. It was seen in almost every bouquet and epergne decoration in the old days, and it is doubtful if there is a more elegant little flower in existence for the purpose today.

Other *oncidiums* that occur to mind as suitable for this class of work—that is to stand up from the body of a bouquet, are *O. incurvum*, a pretty pink flower, *O. phymatocilium* (dancing girls), *O. phymatocilium* and its white variety and *O. altissimum* and *O. sphacelatum*, the two latter bright yellow with brown markings. All these *oncidiums* last extremely well, are very bright and telling and easy to handle. For associating with cattleyas some of the larger flowered yellow *oncidiums* are fine, such brightly tinted species as *O. tigrinum* and its varieties, *O. Marshallianum*, *O. varicosum* and the pretty little *O. concolor* being among the best of these. The *phalaenopsis*, or moth orchids, are exquisite for the purpose, especially *P. amabilis*, *P. Schilleriana*, *P. Stuartiana* and *P. grandiflora*. These beautiful species, obtained fresh and used while still in good condition, are among the choicest and most suitable species for the purpose in the entire orchid family.

The *epidendrums* are to some extent looked down upon by orchid growers, yet this genus comprises some elegant species for cutting. Bright scarlet orchids are by no means common, but in *Epidendrum vitellinum* and its variety *majus* we have flowers only rivaled in their richness of coloring by the glowing *Sophranitis grandiflora*, the brightest colored commercial orchid in existence. *Lælia harpophylla* and *L. cinabarina* are other orchids possessing this color. Harking back to the *epidendrums*, what could be more beautiful than *E. bicornutum*, a waxy white flower, lasting long in perfect condition, but, unfortunately, not easy to grow and, for this reason, not likely to ever become very popular? In their season the deciduous *calanthes* are among the best and showiest orchids for cutting and well suited for use in bouquets. *C. vestita* has white flowers with red (*rubra oculata*) or yellow (*lutea oculata*) blotches in the center. *C. Veitchi* has pink self-colored flowers, and there are many varieties of each. These beautiful species and hybrids are at their best during November and December.

There are hosts of other orchids, *denrobiums*, *cyripediums*, *vandas*, *cœlogynes*, *odontoglossums*, *miltonias* and many others all more or less useful for the purpose indicated and flowering at all times of the year. Retailers who have this class of work on hand should get after their growers and try to get them in line to keep up a regular succession of these flowers. It is easily done if they will take the trouble to do it, and the demand, already existing, would in a year or two be doubled. For use with orchids no fern or other green can compare with *Adiantum Farleyense*. The soft green of the fronds and its full yet grace-



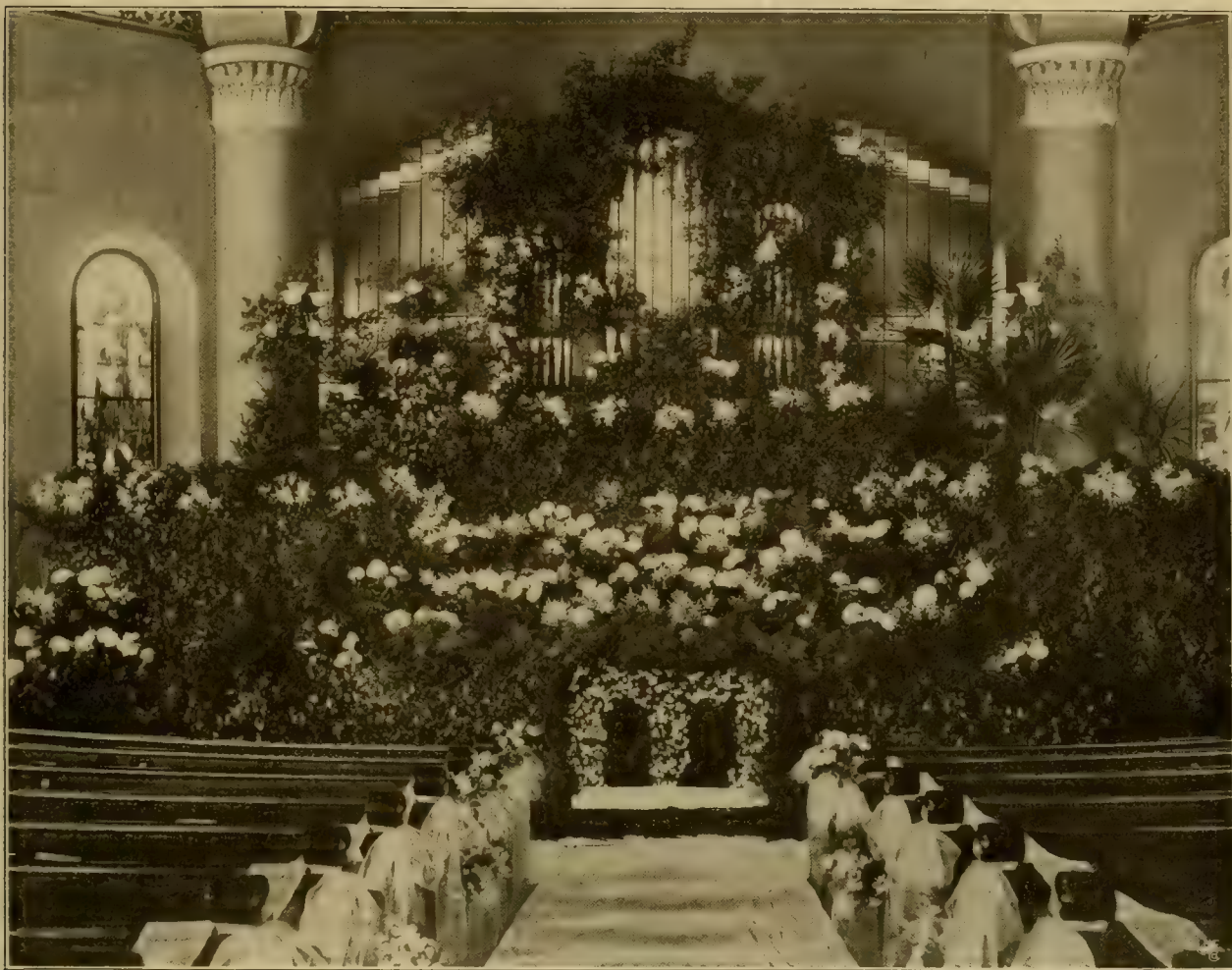


A PRETTY HOME WEDDING DECORATION.









CHURCH WEDDING DECORATION BY DYER, PORTLAND, ME.

ful appearance seems to suit the somewhat neutral tints of most orchids, especially the soft mauves and yellows, and it should be used freely. Small sprays of *Asparagus plumosus*, stemmed and used among the smaller flowers are also exquisite and very fine fronds of *Adiantum gracillimum* placed over cattleyas and other large flowering orchids are like a light veil over a beautiful face, partially concealing while it heightens its beauty. This latter must not, of course, be overdone or the effect will not be good.

#### A Portland Wedding.

The Curtis-Merrill wedding, which unites two of the city's oldest families, took place at St. Laurence church, Portland, Me., June 7. The decorations were carried out in an artistic and original manner by A. W. Dyer and were favorably commented upon by the papers of that city. From the boxwood trees placed at the entrance to the canopied aisle to the altar, the entire decorative scheme was carried out to conform to the architecture of the church. The colors were pink and white and at the ends of the pews great baskets of pink sweet peas were tied with broad gauze ribbons in a very delicate shade of green. At the altar the great bank of hydrangeas, white sweet peas, spirea, ferns and the huckleberry vine, gave an unusually beautiful effect, the decorations done

in such a way as to present a solid bank of pink and white blooms. The altar rail instead of being the ordinary church rail was of maidenhair fern and white sweet peas and was as artistic as it was original. The bride's bouquet was a shower of valley, while the maid and matron of honor carried Killarney roses. The decoration for the wedding supper at the summer home of the bride's parents was a simple arrangement of Richmond roses.

#### Weddings at Albany, N. Y.

Weddings have kept all busy for a week or two past. Perhaps the most notable of these functions was that of Francis P. Garvan, a former assistant district attorney of New York, and Miss Mabel Brady, daughter of Anthony N. Brady, of this city, which took place in the Cathedral of the Immaculate Conception on the morning of June 9. The floral decorations in both cathedral and home of the bride's parents were in charge of Eyres. In the decoration of the cathedral 300 palms, 600 yards of laurel roping, 300 ropes of asparagus, 2,000 white peonies and 1,000 Easter lilies were used. The laurel festooned the organ loft, the side pews, and in long sweeping lines connected the pillars. The palms were clustered about the chancel, formed screens which cut off the view of the two side altars and were grouped about

the pulpit and the bishop's throne. The peonies were formed into clusters, tied with broad white satin ribbons and stood like torches along the pews of the center aisle and suspended at a height sufficient so as not to cut off all the front view. The Easter lilies decorated the clergy stalls, the altar rail, the large branch candelabra, and filled many tall white vases placed at points about the chancel, before statues, and on the side altars.

At the house, 411 State street, where a reception followed the wedding, there was apparently no limit to the expenditure for floral decorations. The fireplace in the foyer was filled with white peonies in conjunction with ferns, and each panel traced with asparagus had a pendant cluster of peonies. At the entrance of the stairway, a bower of palms screened the orchestra from view. Twelve newel posts in the ascending staircase had immense clusters of Richmond roses, and the balustrade was wound with asparagus. Eight hundred cattleyas and miltonias, all in shades of lavender, converted one room into a bower of tropical loveliness, and lily of the valley and Killarney roses banked mantels and mirror in the large reception room and adorned all electroliers about the walls. In the library, yellow marguerites and snapdragon were used in baskets along bookcases, and the mantel was a solid banking of Sunset roses. Vases of



snapdragon about the room completed this scheme.

In the Japanese room yellow and purple iris were combined effectively with asparagus. A large centerpiece of American Beauties occupied the center of the dining table and in the conservatory cozy corners were placed



Fig. 1.—Cuttings Mossed Too High.

all about. Everywhere the choicest palms and ferns lent their relieving green.

On June 8 The Rosery had six house and church weddings, which is a record for one day in this vicinity.

R. D.

#### Pretty Wedding at Hinsdale, Ill

A beautiful wedding was solemnized at Hinsdale, Ill., June 11, between Miss Mabel Madden and Paul Henderson, at the home of the bride. The wedding was on the lawn under a big pine tree, the same tree that the bride's parents were married under 32 years ago. The decorations were carried out by Bassett & Washburn's retail department of Hinsdale, and consisted of a canopy of smilax under which the happy couple were united. Palms, ferns and other plants were used in great profusion and about 1,000 Killarney roses were needed, all being supplied from the firm's greenhouses. It was a gala day at Hinsdale, large numbers of automobiles coming out from Chicago bringing the 400 guests that were present at the reception. The house was also decorated with Killarney roses, this also being carried out by Bassett & Washburn, as were the bride's and bridesmaids bouquets. The former was made of lily of the valley and white roses, the latter of Killarney roses. C. L. Washburn supervised the whole decoration and worked hard at it himself, and the whole thing was immensely successful and in such a beautiful setting that great praise was showered on Mr. Washburn by all concerned.

## CHRYSANTHEMUMS

ALLOW no weeds on the benches as they are sure to lead to green fly attacks.

SEVERAL varieties are giving unusual trouble this year by persistent premature bud formation.

WATER around the plants only for a time after planting, not the whole of the soil. This helps root action considerably.

FUMIGATE lightly several evenings in succession to get rid of the black fly. If allowed to remain on the plants they will be crippled and good flowers need not be looked for.

#### Rooted Cuttings.

A few weeks ago we offered a few suggestions regarding rooted cuttings, which will be found on page 621, issue of April 23. There are several ways to wrap and moss cuttings, all of which are satisfactory for shipments to be transported a short distance, but when they are to be several days in transit every precaution must be taken to ensure safe arrival. Moss is the material used to hold moisture and keep them from wilting, a condition very important to their welfare. This moisture should be confined to the roots and adjacent stems rather than the leaves.

Fig. 1 shows a bundle recently received, in which the cuttings were bunched, the moss (instead of being confined to the roots and lower stems) extended up against the leaves. To make a bad matter worse, the wrapper (heavy waxed paper) was so placed as to nearly cover the cuttings their entire length, thus excluding the air and retaining the moisture. As previously stated such conditions are of no great consequence for short haul shipments, but are of special importance where several days are consumed in transit.

If they are packed upright in slat top boxes the situation is somewhat relieved. The two materials used to retain the moisture should as far as possible not come in contact with the tops of the cuttings. Moist roots and dry tops are the most favorable conditions. The excessive moisture retained in the foliage and aggravated by the exclusion of air is very apt to cause them to heat and decay.

Fig. 2 shows the same bundle properly mossed. It will also be noticed that the cuttings are placed higher on the paper, so when wrapped their tops will be free to the air. In the methods described above the cuttings are brought together in the hand into a bundle to which the moss is applied. We believe there are some advantages in adopting the method shown in Fig. 3. Here the moss is placed on the paper and the cuttings placed thereon near the left hand side of the sheet, so they extend some six or eight inches. The portion extending below the cuttings is then brought up with the moss and pressed down against the cuttings (as shown in the illustration) and is then rolled into a bun-

dle as shown in previous article referred to. This method gives the cuttings a little more freedom and they are not so liable to damp.

Some use this method, wrapping very loosely, which is satisfactory when packed close, but they are inclined to dry out quickly if packed open, owing to the free circulation of air which extends even to the roots. For long shipments those wrapped rather firmly and, after danger of frost is over, packed open (slat covers) usually reach destination in excellent condition. The condition of the cuttings have much to do with their safe delivery. Those that are soft are the first to succumb from being too wet and close, or from dryness. All shippers of these plants in miniature are more or less confronted with the problem of how to perform these details to ensure safe arrival and it is therefore wise to consider the distance to be transported in adopting a practical method. The short hauls are easy and the long ones are often difficult, especially when the temperature is high.

ELMER D. SMITH.

#### Care of the Young Stock.

The early propagated stock for exhibition cut blooms intended for bench culture should have its quarters got ready without delay. The sooner it is planted into the beds the better. Chrysanthemum plants quickly get beyond control at this time of the year if not shifted or planted on as they require it. The head room necessary for the proper development of this early planted stock is one of the most important points to consider. They should be allowed from eight to ten feet. Any cleaning of the woodwork,



Fig. 2.—Cuttings Mossed Correctly.

painting or repairing should be finished before any planting is done, it being a great deal easier to do this work before the plants are in than after. To grow first-class exhibition blooms the plants must be treated



liberally in the way of good rich soil but an overabundance of fresh animal manure should be avoided owing to its tendency to promote a soft, long jointed growth. For light soils a mixture of three parts well rotted sod, one part well rotted cow manure and one part of a good soapy clay to stiffen it up makes a good compost. But for soils that are of a stiff clay substance three parts of soil to one of manure will be all right. This should be thoroughly mixed and broken up before bringing on to the benches.

Provide ample drainage at the bottom of the benches for the water to run away freely and to allow for the soil to dry out within a reasonable time. A little of the rough part of the soil can be spread over the bottom of the bench to prevent the finer soil from running through. Five inches of soil after it has been firmed down is deep enough to grow any of the exhibition varieties. At the time of bringing in the soil add a dressing of bonemeal to the surface and thoroughly work it in with a spading fork or a long-tined hoe; then give the bed a good firming down and level off the surface, after which it is ready for planting. Plant this early stock not less than eight by ten inches, though this can be modified a little if by closing up a little another row can be got across the bench. After planting, water the soil around the plants only until the roots get established. Syringe the plants two or three times a day to keep down the temperature and promote active growth. Arrange the varieties together as much as possible according to their height of growth so that the tall growers will not shade and crowd out the dwarf varieties.

If there are any cuttings still in the sand intended for late plantings they should be potted as quickly as they make roots so that there will not be any danger of their getting hard and woody which quickly occurs at this time of the year. The large specimen plants being grown for exhibition as bushes and standards will require constant attention right along now. Pinching back the shoots is a very important point and it is necessary to go over the plants every three or four days to keep them in hand. Watering these large plants needs considerable judgment to keep up the active root action at all times. A little too much water will quickly cause the plants to take on a yellow cast and check root action. In cases of this kind the water should be withheld for a few days and the plant allowed to dry out a little to promote root action again. It is equally detrimental to the plants to allow them to wilt down for the want of water. Just at this time spraying with nicotine or some other preparation should be followed up every few days to keep down black and green aphids, which are now particularly active.

C. W. JOHNSON.

READING, PA.—More than 140,000 plants are being set out at the stations of the Lebanon Valley & East Penn. railroad. The Philadelphia & Reading road's gardeners are also busy planting out.

### Striking Features of the Nursery Trade During the Past Quarter Century.

BY PROFESSOR JOHN CRAIG, CORNELL UNIVERSITY, ITHACA, N. Y.

The evolution of the nursery business during the past 25 years is marked by many features of great interest to the student of plant history and economics. One has but to compare the catalogues of 25 years ago with those of today to find indisputable evidence of the profound change in product, variety and method of handling.

#### THE MIDDLE WEST.

Twenty-five years ago the great middle west was beginning to find itself as a fruit growing country. The more favorably situated regions were planting Ben Davis and Winesap; the orchards of southern Illinois, southwestern Iowa and eastern Kansas were being planted. Wellhouse of

foreigners and opposed their introduction on principle; and the camp of neutrals who professed no opinions but were willing to take the good things the gods gave them without reference to their source. When Professor J. L. Budd of Iowa, the champion of the Russians, passed over to the majority the discussion gradually simmered down till it disappeared entirely. At the present time the country is reaping the benefit of the invasion of the Russians and east Europeans in the second crop of hybrids now appearing, and seedlings, many of which are superior to either of the originals, native or imported: And so in the long run the good prevails.

Twenty-five years ago, nurserymen of the middle west carried long lists of forest tree seedlings to supply the needs of the men who took up prairie claims under the provisions of the timber act. The cottonwood, the box



FIG 3.—CHRYSANTHEMUM CUTTINGS MOSSED READY TO WRAP.

Kansas was setting the pace in orcharding in that state while Silas Wilson of Atlantic, Watrous of Des Moines and Youngers & Co. of Geneva, Neb., were turning out root grafted apple trees by the million.

#### RUSSIAN APRICOTS EXPLOITED.

At the same time the surpassing beauty and indescribable qualities of Russian apricots and Russian mulberries were being heralded by certain Nebraska nurserymen who found these treasures in the settlements of Russian Mennonites in that state. The Russian apricots have come and mostly gone—Skobeloff Alexis and Catherine have gone to obscurity—but the Russian mulberry (sold in pairs at \$5) remains to give shade and furnish a plentiful supply of bird food during early cherry season. In this respect it fills an important mission in some districts. About the same time there raged in the middle west the historic controversy over the merits of the Russian apple. Nurserymen were divided into camps, the pro-Russian, who saw the salvation of the country in the introduction of the hardy Russian varieties of apples; the anti-Russian, who saw no good in the

elder and soft maple were staples. Nurserymen still grow forest tree seedlings but the quality of stock as to variety and grade has greatly improved. More discrimination is shown both on the part of grower and planter. Conifers are receiving a larger share of merited attention while the cheap tree is more often grown for temporary purposes. Twenty-five years ago the floricultural establishments of the middle west were small and primitive affairs. Today one may find florists at Missouri river gateways shipping to Denver on the one hand and Buffalo or possibly New York on the other.

#### FRUIT AREA IN PACIFIC NORTHWEST.

Nine years less than a quarter of a century ago the Pacific northwest drew the eyes of the world to the possibilities of fruit growing west of the Selkirks and Rockies by its magnificent display of orchard products at Chicago's great exposition. Since that time nurseries have been developed in this western empire capable of meeting the demands of the rapidly extending orchard areas. This region affords an unparalleled example of rapid and successful development of



deciduous fruit orcharding in the United States, if not in the world.

#### THE KIEFFER AND ITS BRETHREN.

Twenty-five years ago saw the introduction of the Oriental pear and its hybrids, saw its propagation by the hundreds of thousands, its large planting in the middle south—where it properly belongs—and its profound influence on pear culture in the middle Atlantic and the gulf states. The close of the quarter century saw nurserymen dropping Kieffer and its relations and hustling the propagation of Bartlett and others of European extraction. And so the pendulum swings one way then the other. The period covered by the AMERICAN FLORIST includes the era when the Japanese plums were in high tide favor. They are still propagated and planted, but with much more discrimination than formerly. The greatest good will come from the mixed descendants of the race rather than the pure blood, and so with our native plums. They are in a state of directed evolution. The next stage will be better than the last.

#### DEMAND FOR ORNAMENTALS.

In the last 25 years the most striking change in the nursery business lies in the greater emphasis now being laid upon the propagation of that class of plants which does not cater to the truly economic demands but rather to the aesthetic needs of roadside, of lawn, park and cemetery. Ornamentals are imported, propagated and sold in thousands today as compared with hundreds a few years back. Nurserymen have their own landscape departments (much to the disquietude of the landscape architect), grow material and execute plans as a matter of course.

#### ORGANIZATION OF NURSERYMEN.

Finally in matters of organization nurserymen are vastly more united than formerly. Organization enables them to take a hand in tariff revision (not necessarily down), in regulation of state and federal laws for the control of nursery pests, for the regulation of interstate trade, freight rates and the like. They have not approximated perfection in these regards but they are making substantial progress. In looking over this period and noting the place of the nurseryman in it one cannot fail to be impressed with the great influence he exercises upon development of country and even urban life. Show me a region tributary to a nursery establishment operated on intelligent and broadminded principles and I will be able to point out the beneficial advantages which have been derived from its presence. It has been so in the past; it must be so in the future for the scope and opportunities of the plantsman are constantly widening.

MAYNARD, MASS.—Albert Batley & Son are to add another greenhouse to their range on Acton street.

OAKLAND, CALIF.—While boring for water, oil was discovered on the property of H. M. Sanborn, 517 Fourteenth street. A derrick and pumping outfit is being installed.

## AMERICAN ASSOCIATION OF NURSERYMEN THE DENVER CONVENTION

#### Election of Officers.

At the thirty-fifth annual convention of the American Association of Nurserymen held June 8 to 10, at Denver, Colo., the early sessions of which were reported in our last issue, page 970, the following officers were elected for the ensuing year:

W. P. Stark, Louisiana, Mo., president.

E. S. Welch, Shenandoah, Ia., vice-president.

John Hall, New York, secretary.

C. L. Yates, Rochester, N. Y., treasurer.



Professor John Craig:

Executive Committee—J. H. Dayton, Ohio; E. M. Sherman, Iowa; W. B. Chase, Alabama.

St. Louis was selected as the place of meeting for 1911.

#### Effects of Crown and Root Gall.

Two papers that aroused unusual interest were: "The Effect of Crown Gall Upon the Orchard," by Peter Youngers, of Nebraska, and "Root Gall," by E. A. Smith, of the Jewell Nursery Co., Lake City, Minn. Mr. Smith, in his paper, said: "Cut or injure the root of any tree or plant and there will frequently be found at the point of injury, a hard incrustation which is known as root gall. This, we think, is largely due to an excessive flow of sap in response to the mending processes of nature. The spring time will cause an increase of sap to flow and escape from this wound, and in nature's effort to heal it, or check the escape of the sap, a hard, knotty incrustation is formed. Does root gall signify disease? Practical experiments beginning in the spring of 1905, consisting in the planting of several hundred trees affected with the worst form of root gall, side by side with trees not affected, showed at the end of five years that the root gall has not affected the health, vigor or growth of the trees; that hard or hairy root gall

is not contagious; that the tendency of this class of root gall is to become absorbed by the tree until it disappears entirely. Mr. Youngers cited similar experiments with reference to the effect of crown gall, and produced data collected from various parts of the country to the same effect, namely, that the disease is not contagious and in the majority of cases not injurious to the tree affected.

A lively discussion followed, in which some of the inspectors present differed in their views from those of the essayists. Mr. Harrison, of Nebraska, said: "I think the proper name for those root galls is 'warts', and it is just as reasonable to kill a boy because he has warts on his fingers, as to kill these trees because they have root gall." The following resolution was finally adopted as expressing the view of the majority of the convention:

Whereas, The hard or hairy form of root or crown gall by practical experiments has not been found injurious or contagious to apple trees;

Therefore, Be it resolved—that we, the American Association of Nurserymen of America, do hereby protest against and condemn the action of state legislatures in refusing to grant certificates of admission and acceptance of apple trees in their respective states because of the presence of hard or hairy form of root or crown gall, and we hereby urge upon the legislatures, their agents or persons having this matter in charge, the advisability of admitting this class of stock, and recommend that the laws be so changed as to permit the delivery of apple trees showing hard or hairy form of root or crown gall; also, that this resolution be placed in the hands of our legislative committee with power to act at their discretion.

#### Rules for Prices.

J. H. Dayton, of Ohio, presented the following rules as a standard of conduct among nurserymen, and the same were unanimously adopted:

"That our lowest prices or trade lists should be mailed only to nurserymen or dealers with established headquarters, who are known to be actively engaged in the trade.

"That some effort should be made to have our price lists and quotations to orchardists and retail buyers nearer a uniform basis for same grades and varieties of stock.

"That as the practice of cutting prices as the season advances is one of the great demoralizers of both the wholesale and retail trade, established rates should be adhered to throughout the season.

"That parks cemeteries and other public institutions are not in the trade and are not entitled to trade rates.

"That stock shipped on orders of landscape architects and invoiced direct to their customers should be billed at same retail rates as if the order came direct from the planter."



A paper was read by H. W. Marshall, of Arlington, Neb., on "The Commercial Side of the Nursery Business," in which he maintained that while the prices of almost all other commodities had doubled in the last 10 years, the retail price of nursery stock has not been raised more than 25 to 30 per cent. This he attributed to the following causes: Mail order houses, "one-horse" dealers, and wholesalers selling at practically wholesale prices to retail dealers.

W. L. Howard, of Columbia, Mo., read a paper urging a closer co-operation between nurserymen and fruit growers, the former to strive for the raising of a higher grade of stock and furnishing same true to name, the latter to take better care of the stock after it is planted.

Geo. H. Whiting, who has been a resident of Yankton, S. D., since 1879, read a paper on "The Effects of Tree Planting in the Middle West." He referred back to the time when "one could travel from morning till night in almost any section of the state without seeing a tree as high as a man's head." The winds had full sweep, varying from the hot, scorching winds of summer to the destructive blizzards of winter. The planting of trees has greatly softened the rigors of the climate, conserving the moisture and checking the velocity of the winds.

"The Influence of California's Horticultural Development on the Nursery Business," was the title of a paper read by Geo. C. Roeding, of Fresno, Calif., he being the first California man present at a national nurserymen's convention for a great many years. California, he said, grows every variety of fruit known in the temperate zone, and its dried fruits find not only a ready market throughout the United States, but shipments are being made in ever-increasing quantities to the European countries. The raising of such immense quantities of fruits has caused a very great demand for nursery stock, which is being drawn from all states in the union.

#### Replacing Stock.

J. R. Mayhew, of Waxahachie, Tex., read a paper in which he emphatically condemned the replace policy, and offered the following resolution, which was adopted:

Whereas, the policy of replacing nursery stock at less than full value, heretofore extensively practised over the country generally, has resulted in serious injury to the nurserymen, exercised a demoralizing influence over the salesmen, and has not really benefited the planter because it has encouraged negligence on his part in planting and looking after trees and plants purchased by him, and led him to underestimate the value of such nursery stock sold him; and

Whereas, this association was instituted and is maintained to promote the best interests of both nurserymen and planter, which said interests are being seriously crippled by the above policy; and

Whereas, said practice necessarily tends to destroy the confidence of the planter in the nurseryman, and produces in his mind an erroneous impression as to the real value of the

goods sold by the nurseryman; now therefore,

Be It Resolved, That this association unqualifiedly condemns the said policy of replacing nursery stock at less than its full market value as being unwise, unbusinesslike and wholly unnecessary, and

Be It Further Resolved, That the real interests of the nurseryman and planter will be best promoted by the exercise of sound business methods in this, as well as other dealings with them.

Other papers read were: "Observations Upon European Nursery Stock and Their Plant Growing Methods," (illustrated by lantern slides), by Prof. John Craig, Ithaca, N. Y.; "Orchard Pests Still Unknown to the Colorado



W. P. Stark, Louisiana, Mo.

Pres.-Elect American Ass'n of Nurserymen.

Fruit Grower," Prof. E. P. Taylor, Grand Junction, Colo.; "Soils and Fertilizers," F. L. Rounsevel, Denver, Colo.; "Publicity Campaigns on the Part of Nurserymen," J. M. Irvine, St. Joseph, Mo.; "Varieties," E. S. Osborne, Rochester, N. Y.; "Transplanted Raspberries, for the Retail Trade," W. N. Scarff, New Carlisle, O.; "Herbaceous Plants," C. S. Harrison, York, Neb.; "A Study of the Nursery Lands of the United States," W. H. Stark, Louisiana, Mo.

After the close of the convention the members were most lavishly and fittingly entertained under the auspices of the Denver convention league, the Western Nurserymen's Association and the Colorado state board of immigration. Under the leadership of the latter an excursion was taken through the fertile plains skirting the mountains, stopping at Boulder, Longmont, Loveland, Fort Collins, Greeley and Lupton. At each place either automobiles or trolley cars stood in readiness to take the visitors to all points of interest surrounding the place. Literature in abundance was distributed, and the Colorado people owned up to being "boosters and boomers," full of enthusiasm and hope for their adopted state. A trip up the Moffat road, consuming an entire day, winding in and out among the rugged peaks until an elevation of 11,660 feet above sea level was reached, was a treat afforded the guests by the western nurserymen.

#### Notes on the Chicago Parks.

##### HARDY ORCHIDS AT LINCOLN PARK.

There are several pretty little plantings of hardy orchids at Lincoln park in the herbaceous grounds. Among those noted in flower during the last week was *Cypripedium spectabile*. It appears to be doing fairly well in the shade of some shrubs just west of the flower garden and while the growth is not so robust as it probably would be in moister conditions the flowers are good and extremely beautiful. *C. parviflorum* is doing well and the pretty little flowers with yellow lips and dusky sepals are freely produced. *C. candidum* is apparently well established and thriving and there is quite a number of the pretty white and green flowers open. *Goodyera Menziesii* is in good foliage and the flower spikes are pushing up. It should be in flower in about another week. These pretty native plants are worth more attention than they get and our parks are the place for them. It is hardly likely that trade growers will handle them as the demand is not likely to be large.

##### THE BEDDING PLANTS.

The cold nights, including the severe frost of June 3, played havoc with the bedding in all the parks. The geraniums have stood it fairly well all things considered but they are not by any means happy looking. Cannas are browned and unattractive and the foliage on such plants as *Abutilon Savitzii*, some of the salvias, coleuses and *Alternantheras* is falling rapidly. Pansies are fine this year, the cool weather suiting them well, but it will be late in the summer before anything like a good display can be expected in any of the parks.

##### HERBACEOUS PLANTS.

Among the herbaceous plants to be seen in the various parks just now the German irises take the lead. There are elegant displays in all, one of the prettiest plantings being around the ornamental water in Humboldt park. Nowhere have irises so good an effect as on the margins of streams or lakes, and these and the common flags are at their best right now. The double buttercup is pretty on the edges of the streams leading to the lagoon in Humboldt park and it may be noted here that this pretty and effective bit of Jens Jensen's work is now showing its true character as he intended. The delphiniums will soon be at their best, there are several *eremuri* in bloom and the peonies will be quite a show very shortly. The true Rocky Mountain columbine, the long spurred form indigenous to Colorado and other western states is not as frequently seen as the labels would induce one to suppose, but the true varieties are flowering now in Lincoln park and an enticing attraction.

Though not perfectly hardy the flowers of *Ismene calathina* are very attractive now in the borders at Lincoln park where it thrives well and flowers freely. The bulbs are taken up in fall and stored until planting time in spring. There are many of this class and of the hardier *pancratiums*, *crinum*s and *hymenocallis*es that could be used this way with advantage. The white and pink dictam-



nus or burning bush is showy now in several of the parks. The beautiful *Dimorphotheca aurantiaca* is flowering at Lincoln park as well as a fine lot of dodecatheons, many of the prostrate veronicums and others. A pair of fine century plants are just throwing up their flower spikes in front of the greenhouses and inside the display is showy and good. The orchids are attractive now. *Cattleya* Harry Selfridge being in flower. We note that the parentage of this undoubtedly fine flower is on the label as *Cattleya superba* and *C. Aclandiae* but how such a flower as this could possibly be the result of such a cross we cannot imagine. There is not the slightest resemblance, either in habit, color or shape of flower to either of these. Other orchids in flower are *Sobralia maerantha*, several *thunias* and a number of *cattleyas*, including the yellow *C. Holfordi*, a plant seldom seen.

#### HYBRID SWEET BRIARS.

In Humboldt park we came quite unexpectedly on a number of the hybrid sweet briars and they are very fine. In Jackson park, near the yacht harbor the common sweet briar was planted a year or two ago in great masses and it has made a fine growth but it cannot compare with these newer hybrid forms, the flowers of which are extremely beautiful. One looks a good deal like the old Copper Austrian briar but it is much stronger in growth than this, while several of the pinks and light reds are very attractive. The plants are making an elegant growth and they are worthy of more extended culture. Other roses are behind this year. *Rugosa* is in flower in several parks, also one or two of the single wild forms, but the rose gardens in Washington, Jackson and Humboldt parks are quite two weeks behind time this year. The aquatics in Lincoln park are coming along in good shape and already *Nymphaea Zanzibarensis azurea* is in flower. Around the edges a collection of various bog plants are grown which will be of considerable interest through the summer.

#### ALTERATIONS AT WASHINGTON PARK.

Those who have not visited Washington park lately will find quite a change in the flower garden end. The beds in front of the conservatories have been sown down to grass and at the south end a new administration building has been put up. The ground around is being graded and thousands of yards of soil have been brought in to bring up the level to that of the terraces. Just at present all is chaos, but eventually a broad road is to be made through the center of what is now the flower garden and a drive around the front of the building. Several of the greenhouses have been torn down and there is a talk of building others, possibly in Jackson park, to provide the necessary bedding stock. All around the grass looks fine, also the trees, but here as in the other parks the flowering shrubs have been very poorly flowered this year. In Jackson park the weigelas are at their best and we noticed the fringe tree, *Chionanthus Virginianus*, flowering freely, but the spireas and others that are usually so good in June are poor indeed.

## THE AMERICAN PEONY SOCIETY

### Annual Meeting at Boston.

After being postponed, on account of the backwardness of the season, from June 9-10 to June 14-15, the annual meeting of the American Peony Society was held on the latter dates in Horticultural Hall, Boston, and, when the quite unprecedented weather of the present spring is taken into account, it must be classed as a more successful one than could have been anticipated. There are hard workers in this society's executive and they have proved how well they can stand up under difficulties. Both halls of the Massachusetts Horticultural Society, in conjunction with which the meeting was held, were filled with flowers finely arranged. Taken as a whole the show was excellent, but to take the blooms individually a specialist would possibly see that the inclement weather conditions had left their mark upon them. Still the show was far better than the most sanguine had anticipated and will, we hope, be an inducement to those in charge to continue the good work. If they can do as well as this in such a wretched season, we will expect great things next year or in any future year when the weather is more conducive to a good display. Among the leading prize winners are the Cottage Gardens Co., Queens, N. Y.; G. H. Peterson, Fairlawn, N. J.; Bertrand H. Farr, Reading, Pa.; T. C. Thurlow's Sons, West Newbury, Mass.; T. A. Havemeyer, Hempstead, N. Y., and S. G. Harris, Tarrytown, N. Y. The old officers of the society were re-elected as follows:

B. H. Farr, Reading, Pa., president.  
C. J. Maloy, Rochester, N. Y., vice-president.

J. H. Humphreys, Germantown, Pa., treasurer.

A. H. Fewkes, Newton Highlands, Mass., secretary.

### President Farr's Address.

I was initiated into membership of the American Peony Society in this hall at its exhibition held here four years ago and I have ever since had the most vivid and pleasant recollections of my visit here and the cordial reception given us by the Massachusetts Horticultural Society and by the many friends of the peony whom I met during that visit and who have many of them since become personal friends. I well remember the splendid exhibition made at the time by Mr. Shaylor and the Thurlows, Mr. Hollis and many others and my visits to their establishments.

Eight years have passed since the American Peony Society was organized for the purpose of trying to straighten out the confusion existing in the nomenclature of the peony and publishing accurate descriptions by means of which all authentic varieties may be identified. Most of the members of the society are more or less familiar with the first steps which led to the organization of the society. We are indebted first to C. W. Ward, who conceived the idea and issued the first call and through whose efforts the co-operation of Cornell University was secured and the test plot was established. We must acknowledge, too, the ready response of our home growers whose generous contribution of plants running into thousands made the test plot an established fact. To these were added, through the efforts of Mr. Ward and Professor John Craig of Cornell University, the splendid foreign collec-

tions which have proven to be of the most vital importance. The task of preparing and planting the peony plot was done by Cornell University, who from that time on assumed the great burden of the work, and it is doubtful if many members of the society realize the full extent of indebtedness we owe to the university. The test plot has proven the necessity for its establishment, at the same time proving how useless it would have been without the co-operation of the university, as it would have been out of the question for any individual or firm to have carried on this test on so large a scale for so long a period. Last but not least we realize how much has depended on those at Cornell who have had the actual work to do, to Professor J. Eliot Coit, and to Professor Leon D. Batchelor, who has so ably and conscientiously carried on the work from where Professor Coit left it. Following up the plan adopted last year Mr. Batchelor has in co-operation with the special committee appointed for this work visited other collections where the season is earlier than at Cornell, and so far over 100 new descriptions have been made this season, and it is expected before the season closes at Ithaca a total list of approximately 500 varieties will have been identified and described. It is proposed to publish a fourth bulletin covering the work to date early this fall.

We have previously been cautioned against the tendency to name new seedlings which are inferior to varieties already in existence. There are so many perfect varieties that many believe it almost impossible to make any additions that are genuine improvements. The American Peony Society should, and it is to be hoped will, come to be recognized as the authority competent to pass on the merits of a new introduction, and it should be so conservative that its certificates of merit granted to a new variety should become a guarantee of the value of the new introduction.

The splendid collection which will be in existence at Cornell University will furnish the society with unusual facilities for judging a new variety. Whenever possible a specimen plant of the new variety should be sent to Cornell in order that it may prove its merits among the older varieties already established. This cannot always be done while the originator is in possession of only a few plants which he would not wish to disturb or part with, neither is it possible for him always to send flowers to the exhibition which may be held so far away or at a season when his plants are out of bloom. To overcome this, I offer the suggestion that a committee may be appointed in several localities to whom a new variety might be submitted, and if it met with the approval of the sub-committee they might recommend the variety and have it passed upon by the society as a whole at a later date. This would necessitate some delay in final recognition which would not be unwise as the merits of a variety cannot always be finally judged until after several years have passed.

I am pleased to be the bearer of a message from our honorary president, C. W. Ward, to the society expressing his regret that continued ill-health makes it impossible for him to be with us at this meeting. But he wishes me to assure you that he retains all his interest in the society



and that he hopes in the near future to be able to take an active part in its work.

#### REPORT OF THE NOMENCLATURE COMMITTEE.

As Professor Craig, chairman of the nomenclature committee, cannot be present at this meeting I have been requested to make a brief report of the work accomplished. Part of this ground I have already covered. The two bulletins now published describe 340 varieties. In the second bulletin also a number of corrections have been made to the first list. It was realized last year that the season of study was altogether too short for any one locality to carry on the work without extending it over a number of years and Joseph Dauphin, of the Cottage Gardens Co., and myself were appointed a special committee to assist Professor Batchelor and the season was greatly prolonged by beginning the work at Wyomissing, following it up to the Cottage Gardens Co., where the meeting was held and finally at Ithaca. The immediate results of this course are shown in the large number of varieties added to our list in the new bulletin.

It is expected by the close of the season there that practically everything will be done in the old plot that it will be possible to do. There are still hundreds of names existing in the plot which it will never be possible to trace to any distinct origin, but the vast number of names originally existing there have been reduced to a very large degree by the great number of synonyms found, all of which have been noted. As examples of this I might mention *Edulis Superba*, Dr. Brettonneau, Queen Victoria and others which have been duplicated under 25 or 30 different names each, to say nothing of the host of red varieties, most of them of inferior quality, which are to be found. It would seem as if everyone who has a red of any kind calls it *Delachei* or *Francis Ortetat* or *Louis van Houtte* so that, strange as it may seem, these, the most common varieties, have been the hardest to determine. And of the many *Delacheis* it is a question if any of us are positively sure just which one is the true variety, unless it is that sent us by Dessert. There is a common pink peony which among many other names passes for *Edouard Andre*, but the true *Edouard Andre* is different in every way, being an immense very double flower, very late.

These are merely examples of some of the difficulties that the committee has had to contend with. Of the varieties left in the original plot it is doubtful if there will be many remaining which will be worth giving any further consideration. Doubtless the larger part of these have been unnamed seedlings sold in mixture to which names have been given in order to distinguish them where they have been grown in nurseries. It is been made, but the committee has been made but the committee have had unusual facilities in making a wide range of comparison in every case, and we have every reason to believe that in most instances we have reached conclusions and that the errors existing will be detected and corrected before the final publication is complete. The decision of the committee may not in every way agree with individual opinion but it will at least establish a basis upon which the work for the future may be done, and if it is adopted as a standard eventually it fulfills the object sought.

I wish to reiterate the splendid services Mr. Batchelor has rendered the society in carrying out this work.

I also wish to make mention of the fortunate selection of Joseph Dauphin who by his remarkable memory and ability to retain his impression of distinctions in color and form of flowers and the long years of study he has given to this subject has been able to render us invaluable services. The peony plot at Cornell now comprises a number of acres, a large addition having been made for the new planting last fall which will eventually be the permanent planting belonging to the university in accordance with the original agreement. The second planting donated for the purpose of selecting the "best 100" varieties will be in prime condition, and will, doubtless, be of great assistance.

#### Secretary Fewkes' Report.

The present membership of the society includes 52 active members and five honorary members. During the year we have lost one member by death, Thos. C. Thurlow, of West Newbury, Mass., who passed away July 2, 1909. He was a charter member of the society, taking great interest in all that pertained to it, and was one of the first to make a specialty of the peony in this country. In his death the society has lost a valuable member and those of us who were privileged to know him intimately, have lost an esteemed friend. Since the organization of the society in 1903, we have lost by death three members, and by withdrawals and those who have dropped out, 12. Starting with a mere handful of signers in 1902 the membership had increased to 36 during the year of organization, and notwithstanding these losses, has steadily grown to its present numbers. It is very encouraging to note that at least two of the members who dropped out have this year reinstated themselves, showing that the work accomplished by the society has a substantial value and that, although they have been a long time in maturing, the fruits of our labors are beginning to be available, and honor is due to those who have stood by and made it possible to accomplish these results. The way has not been altogether a smooth one, and many obstacles have presented themselves, the most embarrassing of which has been the comparatively smallness of our membership, which has necessarily limited our available funds, both for carrying on the nomenclature work and the payment of prize money to successful exhibitors.

The original membership was very largely composed of commercial men and included the greater part of the large dealers of the country. The number of these latter must necessarily be limited, and it is to the amateur class that we must look for future members, and to which the commercial man must look for his most profitable business. The field is a large one and every member should feel it incumbent upon himself to use what influence he may have with such of these as he may come in contact with to interest them in our work and secure them as members. The circular sent out a short time ago was a move in this direction and was intended to help present the matter to the public.

From the inception of our society the interest has centered almost entirely upon the herbaceous class of peonies, particularly the albiflora varieties. This in itself is not surprising, as this class is by far the most common and easiest of cultivation, but the time must come when more thought will be given to the Moutan class, or tree peonies. In them we find an entirely different

range of color, many of them being exquisitely beautiful in shade and texture. Preceding in their time of flowering as they do the albiflora class, they lengthen the peony season very materially and add a peculiar charm to the garden. Undoubtedly the great reason for their scarcity is the impression that has gone forth that they are very difficult to cultivate. It is true they are slow in coming to perfection, and that grafting must be resorted to, to perpetuate the varieties, but where skill is bestowed upon them these difficulties fade away and the reward is a ravishing display of beauty that will repay all the time and care given them. Without doubt many will take exception to these statements, but in reply to them I would say that to be convinced that what I have said is true they should visit the gardens of Prof. C. S. Sargent at Brookline, Mass., and see what can be done with the Moutan when its culture is made a specialty, as it has been done there under the management of Charles Sander.

The exhibition in connection with the meeting at Queens last June was a fairly good one and did much credit to the exhibitors who, though few in numbers, staged a large number of flowers. B. H. Farr, Geo. H. Peterson, S. P. Harris, T. A. Havemeyer and John Lewis Childs were the exhibitors.

## OBITUARY.

### Ernest Calvat.

Horticulture in general and the chrysanthemum growing fraternity in particular suffer a great loss in the death of Ernest Calvat, which occurred recently at his home in Grenoble, France. M. Calvat was recognized as the greatest raiser of the modern chrysanthemum in the world. He was not a gardener or nurseryman by training, but turned to gardening as a recreation. Taking up the chrysanthemum in 1887 and favored by good climatic conditions, he produced many seedlings that practically revolutionized chrysanthemum growing. After a time he gave up his glove manufacturing business and turned all his attention to chrysanthemums, producing, in addition to seedlings, many exhibition blooms for Paris florists. He was a constant exhibitor at all European shows and met with remarkable success up to the time of his death. He was a member of many horticultural societies; a recipient of the Grand Prix d'Honneur (the only one ever bestowed upon a chrysanthemum grower), and an officer in the French Academy.

### Charles Eissner.

It was quite a shock to his many friends the morning of June 13 to learn of the death of Chas. Eissner, who conducted a floral business at 6105 Penn avenue, Pittsburg, Pa. Mr. Eissner had been feeling ill for several days, when pneumonia set in, which brought on his death. Mr. Eissner was born in Geissen, Germany, in 1854. He came to this country when 15 years of age and started in the confectionery business on Federal street, Northside. Later he moved to his present location, where he conducted a confectionery store. About two years ago he took over the floral establishment of Oliver Beet, which business he has since conducted. He made a great many friends and traveled considerably, making preparations for an extensive western trip on which he was to start at the end of this week.



# THE AMERICAN FLORIST

1885 TWENTY-FIFTH YEAR 1910

Subscription, United States and Mexico \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

Eastern Representatives:

A. F. FAULENER, 1133 Broadway, New York.  
ROBT. KIPT, 1725 Chestnut St., Philadelphia, Pa.

**THE AMERICAN FLORIST,**  
824 Dearborn St., CHICAGO

**THIS ISSUE 52 PAGES WITH COVER**

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MARGUERITE Mrs. F. Sander is highly spoken of in the British trade journals and is described as "a pure white variety of great beauty. The flowers are not unlike a huge double pyrethrum and are borne on long stems; they should prove of great value for cutting." It was shown by F. Sander & Son at the Temple show and given an award of merit. The largest flowers shown were about five inches across and illustrations show a flower like an anemone chrysanthemum with a quilled center.

ON June 26 Belgian horticulturists will celebrate the centenary of the birth of Louis van Houte. The great horticulturist was born on July 1, 1810, and died May 9, 1876.

## Society of American Florists.

### DEPARTMENT OF REGISTRATION.

As no objections have been filed, public notice is hereby given that the registration of the fern, *Nephrolepis Roosevelt*, by the American Rose & Plant Co., of Springfield, O., becomes complete. H. B. DORNER, Sec'y.

June 9, 1910.

## American Rose Society.

### THE MID-SUMMER MEETING.

The time fixed by the by-laws for the annual change of officers of the American Rose Society is July 1, but in practice it has been found advisable to make the formal change during the annual convention of the Society of American Florists, and this year this will be held in Rochester, at which time a regular meeting of the American Rose Society will be held. We at that time desire to start a list of special prizes for the coming great National Flower Show at Boston. Every special prize has been distributed. The man who carried off the largest number of prizes at the New York show, held in the American Museum of Natural History, was H. C. Steinhoff, of West Hoboken, N. J. He took Mayor Breitmeier's prize. The Dorrance prize has been won only three times in 10 years; first by Robt. Simpson, of Clifton, N. J.; second by Poehlmann Bros. Co., of Morton Grove, Ill., and third by Benjamin Dorrance, of Dorrance, Pa.

Among the school children who visited the last exhibition, after viewing the splendid showing of blooms in the vases, a group of lads came to the writer and asked this question: "Don't roses have roots?" "Why, yes," was the reply. "Well, none of these have any." This was a child born in New York and asked what to his mind was a puzzle. A few days ago two small girls had a bunch of sweet briars and, being asked where they got them, gave answer, "Over in your lot. Don't they smell sweet? Why don't tame roses smell as nice?" This is simply a bit of child life history, along the line of a "Rose for every home, and a bush for every garden."

BENJAMIN HAMMOND, Sec'y.

## American Gladiolus Society.

The executive committee of the American Gladiolus Society has decided to keep the charter list open until the time of the Rochester convention in August. Applications and inquiries are coming in daily and this will give all ample opportunity to join in time for the society's first exhibition, which will take place at that time in connection with the Society of American Florists' annual exhibition. Already there have been contributed the following prizes to be contested for at the first show:

From W. W. Rawson & Co., Boston: Rawson's silver gilt medal for the best American seedling gladiolus, never before exhibited, nor yet dis-

seminated. This prize can be awarded if there is only one exhibit, but the exhibit must possess special merits.

Rawson's silver medal for the best collection of 25 varieties of gladioli, each variety to be represented by three spikes, size of flower, openness of form, color and number of flowers on the spike to be considered.

Rawson's silver medal for the most artistic basket filled with *Gladiolus America*, judged for arrangement only.

Rawson's silver medal for 10 spikes of the purest white gladiolus.

Rawson's bronze medal for 10 spikes of the best scarlet gladiolus.

Peter Henderson & Co., New York, have offered \$10 for the best collection of 12 new gladioli, not yet in the market, three spikes each to be exhibited.

Vaughan's Seed Store, New York and Chicago, have offered a silver medal for the best 25 spikes of *Gladiolus Mrs. Frances King*.

### TO EXHIBITORS.

Will all who wish to exhibit at the first show of this society, in connection with the annual exhibition of the S. A. F., please communicate with me at once so that adequate space can be secured?

L. MERTON GAGE, Sec'y.

## National Sweet Pea Society.

The following additional prizes have been offered for the annual exhibition of the National Sweet Pea society to be held in July:

Stumpp & Walter Co.'s prize for the best three vases of sweet peas, Spencer type: First prize, \$5; second, \$3; third, \$2.

The J. M. Thorburn Co.'s prize for the best vase of pink sweet peas: First prize, \$5; second, \$3; third, \$2.

The John Lewis Childs' prize for the best vase of white sweet peas: First prize, \$5; second, \$3; third, \$2.

Sutton & Sons' prize, (Reading, Eng.): Cup value \$25. for the best table of sweet peas to be arranged on a space four by three feet and not to exceed three feet in height.

We are now working on the final schedule and hope to have same ready in about two weeks. Concerns or individuals wishing to offer prizes for this exhibition should notify the secretary immediately.

HARRY A. BUNYARD, Sec'y.

## Meetings Next Week

Atlantic City, N. J., June 21-23.—American Seed Trade Association, Hotel Strand.

Boston, Mass., June 21.—Gardeners' and Florists' Club of Boston, Horticultural Hall.

Detroit, Mich., June 20, 8 p. m.—Detroit Florists' Club, Cowie building, 42-44 Gratiot avenue.

Grand Rapids, Mich., June 20.—Grand Rapids Florists' Club and Gardeners' Club, office of member.

Hartford, Conn., June 24, 8 p. m.—Connecticut Horticultural Society, county building.

Montreal, Que., June 20, 7.45 p. m.—Montreal Gardeners' and Florists' Club, Royal Guardians' Building, 211 Sherbrook street west.

New London, Conn., June 22.—New London County Horticultural Society, Elks' Hall.

Providence, R. I., June 20, 8 p. m.—Florists' and Gardeners' Club of Rhode Island, 86 Westminster street.

Salt Lake City, Utah, June 21.—Salt Lake Florists Club, Huddart Floral Co., 114 East Second South street.

Seattle, Wash., June 21.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

St. Paul, Minn., June 21, 8 p. m.—Minnesota State Florists' Association, 510 Snelling avenue, north.

Toledo, O., June 22.—Toledo Florists' Club.

Toronto, Ont., June 21, 8 p. m.—Toronto Gardeners' and Florists' Association, St. George's hall, Elm street.

Winnipeg, Man., June 22.—Winnipeg Florists' Association.



## Bulletins Recently Issued.

By the Florida Experiment Station, Gainesville, "Corn," by P. H. Rolfs.  
 "The Velvet Bean," by John M. Scott.  
 By the Maryland Experiment Station, College Park, "Corn: Variety Tests, Seed Breeding, Selection and Testing," by C. W. Nash.  
 By the West Virginia Experiment Station, Morgantown, "Commercial Fertilizers," by B. H. Hite and F. B. Kunst.  
 By the Delaware Experiment Station, Newark, "Crimson Clover: Its Rate of Gaining Nitrogen," by C. L. Penny and Margaret MacDonald.  
 By the Iowa Experiment Station, "The Root Corn Aphid," by R. L. Webster.  
 By the Utah Experiment Station, Logan, "A Study of the Production and Movement of Nitric Nitrogen in an Irrigated Soil," by Robt. Stewart and J. E. Greaves.  
 By the Nebraska Experiment Station, Lincoln, "Storing Moisture in the Soil," by W. W. Burr.

## Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

**Situation Wanted**—By good grower of carnations and mums: single, German; strictly sober and a hustler. Address

Key 133, care American Florist.

**Situation Wanted**—By an all-round practical florist on retail place where general stock is grown, 20 years' experience; reference; address

E. W., 1025 N. 22nd St., St. Joseph, Mo.

**Situation Wanted**—By a practical grower of cut flowers and plants: a life experience; capable of taking entire charge or would work on shares; single, good testimonials; address giving particulars to

FLORIST, 59 W. Ontario St., Chicago.

**Situation Wanted**—By Englishman single, age 27; 11 years private and commercial greenhouse experience; well versed in growing pot plants, mums, roses, carnations, etc. Must be first-class place. Address

FLORIST, 279 LeMay Ave., Detroit, Mich.

**Help Wanted**—A rose grower to work in rose sections; state wages without board.

COLE BROS., Peoria, Ill.

**Help Wanted**—Rose growers to work under foreman. Apply

WIETOR BROS., 51 Wabash Ave., Chicago.

**Help Wanted**—For greenhouse work; three or four good potters. Apply to

BASSETT &amp; WASHBURN, Hinsdale, Ill.

**Help Wanted**—Greenhouse engineer for steam fitting and light boiler repairs; wages, \$14 per week; steady employment; married man preferred.

Key 129, care American Florist.

**Help Wanted**—Two nurserymen who are honest and industrious; wages \$2.50 per day; steady employment and advancement if satisfactory.

DEVILS LAKE NURSERY, Devils Lake, N. Dak.

**Help Wanted**—Carnation foreman to take entire charge of place; one that knows how to obtain the best results and can handle help. Give reference and state particulars and wages expected in first letter.

N. ZWEIFEL, North Milwaukee, Wis.

**Help Wanted**—A good general greenhouse man to work under foreman, growing of roses principally; steady position and good wages to a sober, industrious competent man; 11 miles from Philadelphia; no one without the above qualifications need apply. Key 135, care American Florist.

**Help Wanted**—A young married man to work as second under manager in greenhouses; one who has had a number of years experience, especially in growing roses for cut flowers and also who has had some experience in growing orchids; give references and write

WRIGHT'S FLOWER SHOP,

224 W. 4th St., Los Angeles, Calif.

**Help Wanted**—A first-class seed man with experience buying and selling all kinds of seeds and competent to manage a first-class city store. State fully your experience and where, nationality, salary you have received and expect, and give references. A good opening for the right man; preference to one who will invest \$2,000 to \$10,000. Give full information in first letter. Address

THOS. SNOWDEN,

111 Winston St., Los Angeles, Calif.

**For Sale**—Cheap, wrought iron frame for conservatory, two sides and front; 15 ft. 8 in., long 5 ft. 2 in., wide, 18 ft. high, round roof also ribbed glass.

Key 134, care American Florist.

**For Sale**—80-acre farm, 17 miles from Chicago, five blocks from station sidewalk out to farm, switch track, good soil. Ideal location for greenhouses. Address

FRANCIS A. BECKER, Des Plaines, Ill.

**For Sale**—Two second hand hot water boilers in a first-class condition: one for 6,000 and one for 6,500 lineal feet of 4 inch pipe.

SUPERIOR MACHINE & BOILER WORKS,  
840 850 W. Superior St., Chicago.

**For Sale**—We are changing our heating system from hot water to steam, and offer for sale 3,500 feet of 4 in. cast iron pipe, taken apart mostly in 20-ft. lengths, in good condition, at 7c per foot;

KRING BROS., Fairbury, Ill.

**For Sale**—Sunnyside Greenhouses, one of the best florist businesses in Michigan; 22,000 ft. of glass, 6 acres of land; if you have the capital, it's a money maker; city of 10,000, with best shipping facilities. Address

JNO. S. SCHLEIDER, Owosso, Mich.

**For Sale**—A mail order and retail seed business well established and well equipped; mailing list of 35,000 names in Kansas and adjoining states; 15,000 of these actual buyers last season; splendid opportunity for a man with a small capital.

ZIMMERMAN SEED CO., Topeka, Kansas.

**For Sale**—A good growing greenhouse business in an Illinois town, for sale or would rent with a prospect of selling; I have two houses 18x100 feet each and never have enough of plants or cut flowers; sell lots of designs; best location possible one block from the court house in a town of 5,000, with two colleges, a hospital, three cemeteries, over 200 funerals last year in town and the best shipping point in this part of the state, the oil-field being all around us; will sell at a bargain; investigate this and you will see that it is a chance in a lifetime. Address

Key 137, care American Florist.

**For Sale or Rent**—40,000 square feet of glass, in good location; needs partial rebuilding; rent accordingly, or will sell at reasonable price.

Key 460, care American Florist.

**For Sale or Rent**—I have as good a florist business as there is in the country for the size; good eight-room house; three greenhouses; 3½ lots, 50 by 135. I got \$1,500 for my work last year, clear from all expenses, and it is better every year. Will sell or rent to right man; small payment down, balance on time.

Box 644, Durand, Mich.

**Wanted to Rent**—Greenhouse property by next October or November.

Key 999, care American Florist.

**Wanted to Trade**—A Wilks boiler 36x48; magazine hot water heater in exchange for two small Wilks; also residence and greenhouse for sale, \$2,500 cash take complete outfit; call or address

MARTIN MOLENAAR,

7112 Indiana Ave., Chicago.

## WANTED.

Seedsman capable of earning \$1000 per year. State fully your experience in seed business. Address

Key 494, care American Florist.

## WANTED

Rose growers; men capable and experienced in growing American Beauties in sections; good wages and desirable positions.

HELLER BROS., New Castle, Ind.

## WANTED

Young man with thorough ornamental nursery stock training. Splendid opening for right party. Must furnish the best of recommendation. Address

Elm City Nursery Co., New Haven, Conn.

## WANTED

A First-Class Rose Grower—especially experienced in growing American Beauties—as foreman of large commercial place in east. A fine chance for the Right Man. Address

Key 136, care American Florist.

## WANTED.

A man who has worked a little around greenhouses; a permanent place for a sober, industrious and quiet man; good character required; wages, \$10 per week and room.

GEORGE CORBETT,

Florist, College Hill, Cincinnati, O.

## French Grower

would accept representation of a big American seed house to grow for it, also to inspect all sorts of seeds and buying same in the growing districts in France

Key 990, care American Florist.

## Trade Directory for 1910

**T**HE AMERICAN FLORIST COMPANY'S Trade Directory for 1910, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 570 pages, including complete lists of the Florists, Seedsman and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

## American Florist Company

324 Dearborn Street, CHICAGO, ILL., U. S. A.

Contains 570 Pages **NOW READY.** Price \$3.00 Postpaid



# Make Your Profits Now

## Stock is Plentiful, Cheap and Good.

We invite all retailers who want stock of the best quality, of the kind that suits their most particular customers, to communicate with us and do it right away.

We have the goods; if you have a demand for June stock we can supply you in any quantity large or small, and of the quality you can do business with. This is no "hot-air"—the flowers are here to prove it. Fine flowers on good stems of all leading varieties of **Roses** including **Richmond, Killarney, White Killarney, My Maryland, Brides and Maids**. There is no sign of mildew, and both flowers and foliage are clear and bright. We have them in all lengths suitable for design work or for presentation bouquets.

**Carnations** too are a strong leader here. The warm weather so far has not interfered with the shipping qualities of the flowers. Buy freely while they are cheap and make a good display. There is no better advertising for your store.

Write or wire us for special prices. **Sweet Peas, Peonies, Gladioli, Easter Lilies and Greens** of all kinds. Everything needed by high-class retailers.

We Give Personal Attention to All Orders.

**ZECH & MANN,** Room 218  
51 Wabash Avenue, Chicago  
Telephone Central 3284

# WIETOR BROS.

51 Wabash Ave., CHICAGO

Wholesale Growers of Cut Flowers

### CURRENT PRICE LIST

| BEAUTIES                    | Per doz. |
|-----------------------------|----------|
| Long stems.....             | \$3 00   |
| 30-inch stems.....          | 2 50     |
| 24-inch stems.....          | 2 00     |
| 20-inch stems.....          | 1 50     |
| 15-inch stems.....          | 1 25     |
| 12-inch stems.....          | 1 00     |
| Short stems.....            | 75       |
|                             | Per 100  |
| KILLARNEY, select.....      | \$6 00   |
| "    medium... 3 00 to 4 00 |          |

| JARDINE, (finest pink rose) select..... | Per 100        |
|-----------------------------------------|----------------|
| JARDINE, medium.....                    | \$3 00 to 4 00 |
| BRIDE, select.....                      | 6 00           |
| "    medium.....                        | 3 00 to 4 00   |
| MAID, select.....                       | 6 00           |
| "    medium.....                        | 3 00 to 4 00   |
| UNCLE JOHN, select.....                 | 6 00           |
| "    medium... 3 00 to 4 00             |                |
| RICHMOND, select.....                   | 6 00 to 8 00   |
| "    medium... 3 00 to 4 00             |                |

| KAISERIN.....                    | Per 100          |
|----------------------------------|------------------|
| Special.....                     | \$3 00 to \$4 00 |
| WHITE KILLARNEY... 3 00 to 8 00  |                  |
| CARNATIONS, fancy...             | 2 00             |
| Good.....                        | 1 50             |
| PEONIES, per doz.....            | 75c to \$1.00    |
| EASTER LILIES.....               | 12 50            |
| VALLEY.....                      | 3 00 to 4 00     |
| SWEET PEAS.....                  | 1 00 to 1 50     |
| All Green Goods at market rates. |                  |

Subject to change without notice.

**ROSES, our selection.....\$3.00 per 100**

The above prices are for select stock. Extra select or inferior stock billed accordingly.

All other stock at lowest market rates.

## BUY OF THE GROWER

### Chicago.

#### A GLUT OF CARNATIONS.

Although there is really an over-supply of nearly every kind of flower in the market this week, the carnations are about the worst and they may be said to have reached the glut stage. Several large consignments left the market last week end at \$3.50 per 1,000, small and split flowers it is true, but still carnations, and as such to be sold in department stores or on the street in various cities to the utter dismay of the legitimate retailers in those cities who have paid \$2 to \$3 per 100 for good stock. It is the same old story—the commission man must try and make something for his growers and good stock is held as high as possible to retailers—then along comes the Greek peddler or the offer for a big quantity from some department store, who wishes to sell the flowers, not with a view of helping their floral department any, but as a cheap form of advertisement, and away they

go by the thousand. "Tis a pity and pity 'tis 'tis so," but, as one of our commission men said, "What are you going to do about it?" This is the condition of the carnation market. And that of the rose market is like unto it, but "not quite so much like." There are excellent roses on the market and nobody wants them. There are also others, mildewed, small and unsalable flowers, that should have been dumped at the greenhouses, for they will hardly pay express charges and spoil the sale of better stock. This is expected in summer, of course, and it may be said that there were probably never better Bride and Bridesmaid roses seen in the market in June than are shown this year. The flowers are of fine substance and color, the foliage clean, and they are as good as they were in February. What the effect of the present hot weather will be during the next few days we will not prophesy, but it is doubtful if such flowers will much longer be on hand. Summer

Beauties from solid beds and from young stock planted this spring are coming in and are very fine, the stems stiff and well leaved, the flowers of good color and substance. Kaiserin and Mrs. Jardine are excellent stock, and altogether the roses may be said to be too good for the prices they are making. Local peonies are coming freely now, but they are by no means up to the usual standard. At least 25 per cent are more or less damaged and really first-class peonies are difficult to find. Orchids are still coming in quantities and lilv of the valley is in good supply. Green goods are easier, the arrival of new common ferns from Michigan, Massachusetts and other points helping out a good deal. Some are arriving badly heated, but on the whole the condition is good. Out-of-town shipping trade is holding up fairly well, but local and city trade is dull except in a few instances. Weddings and funeral work form the principal outlet now, with a few good dinners and receptions.



# Good Fresh Roses

Our selection, in lots of not less than 500, \$15.00 to \$20.00 per 1000

THESE ARE FINE

For Weddings, Commencement Exercises, Etc.

BUY DIRECT OF THE GROWER

## Current Price List

| American Beauties     |                  | Per doz. |
|-----------------------|------------------|----------|
| Extra long.....       | \$2 50 to \$3 00 |          |
| 24-36-inch.....       | 2 00             |          |
| 18-inch.....          | 1 50             |          |
| 12-inch.....          | 1 00             |          |
| Short stems, per 100. | \$3 00 to \$4 00 |          |

| Carnations                              |        | Per 100 |
|-----------------------------------------|--------|---------|
| Fancy red extra long O. P. Bassett..... | \$2 00 |         |
| Fancy White Enchantress.....            | 2 00   |         |
| Fancy Enchantress and Winsor.....       | 2 00   |         |

## Richmonds, Killarney, White Killarney, Kaiserin and Perles.

|                            | Per 100          |
|----------------------------|------------------|
| Extra long and select..... | \$7 00 to \$8 00 |
| Good lengths.....          | 5 00 to 6 00     |
| Medium lengths.....        | 4 00             |
| Short lengths.....         | 2 00 to 3 00     |

## Miscellaneous

|                         | Per 100 |
|-------------------------|---------|
| Lily of the Valley..... | \$3 00  |
| Sweet Peas.....         | 1 00    |

## Miscellaneous

|                                           | Per 100          |
|-------------------------------------------|------------------|
| Asparagus Sprays.....                     | \$3 00 to \$4 00 |
| Asparagus Strings, each.....              | 50               |
| Sprenger.....                             | 2 00 to 3 00     |
| New Ferns, per 1000.....                  | 2 50             |
| Smilax, very long and heavy, per doz..... | 2 50             |
| Adiantum.....                             | 1 00             |
| Galax, green or bronze, per 1000.....     | 1 00             |

GOOD FRESH ROSES, our selection, in lots of not less than 500, at \$15.00 to \$20.00 per 1000

# Bassett & Washburn

Store and Office: 76 Wabash Ave.,

CHICAGO

Greenhouses: HINSDALE, ILL.

## NOTES.

When O. P. Bassett left New York for England, June 24, a number of O. P. Bassett carnations were sent from Hinsdale. These were delivered on the steamer and placed on the dining table during the entire voyage and put in the ship's refrigerator at night. On landing at Plymouth, Mr. Bassett took them to his hotel and they were in passable condition when he left, just nine days after they were cut. Considering the amount of handling the flowers had this speaks mighty well of the lasting properties of this variety. Mr. Bassett while in London will be located at the Cecil hotel, Strand, but he will probably put in very little time there. He was so taken with the beauty of the English southwestern counties on his journey up to the metropolis that he intends taking a motoring tour through them. He expressed surprise at the high quality and condition of the cattle in the counties passed through, and as Mr. Bassett is no mean judge of these we take it there must be some good bovines there.

John Mangel had a beautiful and unique dinner decoration at Hinsdale, June 11. Large vases were used, and in these long, made-up wreaths or garlands of Killarney roses and asparagus were placed, the center ones being almost erect, the outer ones falling gracefully in a fountain-like effect around them, altogether forming a most delightful decoration. Work at the Blackstone hotel has also been plentiful as well as the trade at the Wabash avenue store, and John has certainly been a good customer to several of the wholesale houses of late. Miss Whittingham, who has been at the Wabash avenue store a long time, is, we understand, to have charge

"The Busiest House in Chicago"

## Peonies

## Peonies

## Peonies

# J. B. DEAMUD CO.

51-53 Wabash Ave.,

CHICAGO

shortly of the store at the Blackstone, and this will surely mean increased business there.

J. B. Deamud Co. is receiving elegant new stock of ferns from Michigan, and these are selling at a rapid rate. Some of the wild maidenhair is among the shipment. Peonies are coming in fine shape here now and gladioli continue to arrive in quantity. We also noted some elegant flowers of Chatenay and Bride roses.

Emil A. Danz, 1611 W. Lake street, is having his retail store painted and an entire outfit of new fixtures will be added. He will leave for Germany in a few weeks to visit his folks. His brother, Rudolph, and family, will accompany him upon his return. Mrs. Danz will have charge of the store during her husband's absence.

The quality of the carnations coming in to Peter Reinberg's is still keeping good, considering the heat of the past week, but the roses are elegant stock. We noted especially good

Beauties and Uncle John. Shipping trade in roses is keeping up well, but that for carnations has dropped a little.

There are no better roses coming to this market than those handled by Zech & Mann and the color, form and substance of the Bridesmaid now coming in would be creditable at midwinter. Killarney is also in fine form here.

Mrs. Jardine rose continues to arrive in elegant order at Wieter Bros. and is proving itself one of the best sellers. Kaiserin and Bride are also good, the flowers and foliage of fine substance, clean and free from mildew.

Bassett & Washburn are especially strong this week on good White Killarney, Killarney, Beauty and Kaiserin roses. Mr. Washburn says business is keeping up remarkably well for the season.

Don't forget the dinner at the next meeting of the Florists' Club.



# Send Us Your Orders for June Weddings

and we assure you that they will be carefully executed, being able to give you **CHOICE STOCK** which we know **WILL PLEASE** your most particular customers.

We offer choice **BEAUTIES**, besides long stemmed flowers in the following varieties:

**My Maryland, Killarney, Kaiserin, Field, Richmond, Jardine** and others. **THEY ARE THE BEST IN THIS MARKET.** The foliage is good, the flowers of fine color, and they have not a fault.

**Our Carnations** are as fine as can be had. Can supply **Perfection, Victory, Bassett, Enchantress, Winsor, Aristocrat** and **Lawson** of **Al** quality.

Also fine home grown **Asparagus Plumosus** and **Sprengeri**.

**Fancy Sweet Peas** in quantities, white, pink, light pink, lavender and deep violet shades.

**Let Us Have Your Next Order.**

We are paying especial attention to out-of-town orders, and our facilities for shipping are of the best and most up-to-date.

## J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and  
Carnations  
A Specialty....

WHOLESALE  
GROWER of

## CUT FLOWERS

The display of peonies at Vaughan's Nurseries, Western Springs, will be at its best this week and next and all interested should make a point of seeing this splendid collection. Carl Cropp has worked like a trojan the last few years in truing up and completing his list, and at this time of year peonies are his principal interest in life. Go to Western Springs when he is there if possible. There is also a fine collection of German irises and other herbaceous plants and shrubs that alone are well worth a visit.

The quality of the stock arriving at the store of the Poehlmann Bros. Co. continues of the high standard for which this firm is justly noted. Among the roses Killarney, White Killarney, Richmond and My Maryland are superb flowers for the season, while the Beauties, from young and old stock, are in the best possible order. Spanish irises, orchids and fine lily of the valley are also arriving in quantity and in the finest order.

Beauties from young stock have a fresh and beautiful appearance, and are especially suitable for wedding and commencement work. Such stock is now arriving at Kyle & Foerster's, and W. Kyle says they can supply them in any quantity, they having the entire cut of a very large range. We noted also that the gladioli and peonies arriving at this up-to-date firm's store are of elegant quality.

Vaughan & Sperry say they have already in the half month, done more business than during the whole of June last year and business is still keeping up. Just now some remarkably good Beauties are being handled, long stemmed, clean and of good color and substance, while stock in general, and carnations in particular are very plentiful here and a lot of them are handled.

Beauties and all other roses are still in fine shape at J. A. Budlong's and we also noted a very rich deep violet shaded sweet pea which should be an excellent seller, the color being most attractive. Killarney, Mrs. Jardine and Kaiserin were among the roses noted as particularly good while we have never seen Field in such good condition as it is here at present.

Joseph L. Raske of Jacks n boulevard has the sympathy of all in the death of his mother, who passed away last Thursday and was buried on Sunday. A beautiful lot of designs and funeral flowers were sent. Mr. Raske

has been very busy with funeral work of late.

Peter F. Hemer, the gardener-comet has appeared and disappeared again, his last appearance being a four weeks' engagement at the West Park playgrounds from which he disappeared without notice. No reward is offered for his discovery.

Erich Arlt, 5324 W. Leland avenue, is fixing over all of the benches in his greenhouses. Mr. Arlt states that business is very good, having sold all but 50 out of his stock of 12,000 geraniums, the plants selling on an average of eight cents.

Henry Hulke, who formerly was in the retail business at 2535 W. Sacramento avenue, is doing contracting work in Baldwin county, Alabama. Mr. Hulke is well pleased with his surroundings and has no intentions of returning here.

John Braje, 1630 Ballou street, recently purchased four cases of orchids from G. L. Freeman Co., Fall River, Mass.

Canger & Gormley report business good, especially in wedding decorations and bouquets.

J. F. Wolniewicz recently removed from 3118 W. North avenue to 1550 N. Kedzie avenue.

Visitors: F. A. Gerlach, superintendent Mitchell Park conservatory, and F. Kaiser, of the Kaiser Floral Co., Milwaukee; Wm. Graff, Columbus, O., and his brother, Sam Graff, of Seattle, Wash.; N. B. Stover, Grand Rapids, Mich.

### BOWLING.

#### Standing Up-to-date.

|                  |         |      |     |       |
|------------------|---------|------|-----|-------|
| L. Vaughan       | .....15 | 2553 | 170 | 3-15  |
| T. C. Yarnall    | .....18 | 3056 | 169 | 14-18 |
| J. Zech          | .....6  | 1004 | 167 | 2-6   |
| J. Huebner       | .....21 | 3472 | 165 | 7-21  |
| F. J. Pasternick | .....21 | 3436 | 164 | 2-21  |
| E. Farley        | .....21 | 3436 | 164 | 2-21  |
| Wm. Graff        | .....21 | 3361 | 160 | 11-21 |
| Geo. Asmus       | .....9  | 1432 | 159 | 1-9   |
| Ed. Winterson    | .....9  | 1387 | 154 | 1-9   |
| F. Ayres         | .....18 | 2623 | 145 | 13-18 |

MORRISTOWN, N. J.—Business with the retailers was excellent on Memorial day. Everything in the way of a flower was taken; pot plants, mostly geraniums, were taken in six, dozen, and 100 lots to the cemeteries. And, too, to the credit of some florists, let it be said, that many a grave of some old-time Morristonian received flowers and plants—in sentiment and in memory, which otherwise would have been passed by.—E. R.

### St. Louis.

#### STOCK PLENTIFUL.

The first part of the week the rainy, cool and unseasonable weather continued, but on Saturday it warmed up considerably and we begin to think that summer has at last made its appearance. School closings, conventions, etc., form the only outlet for flowers as transient trade is very quiet. The unclement weather has certainly been hard on the plant men. One week in March was our spring, and it now looks as if we will be plunged headlong into summer before we realize it. Stock is somewhat plentiful. American Beauty roses have improved in form and color. Gladioli, large and small varieties, are in and selling well. Outdoor sweet peas are backward on account of the rainy and cool season.

#### NOTES.

The twenty-third anniversary meeting of the Florists' Club took place at Odd Fellows' hall June 9, with President Windler in the chair and 50 members present. J. J. Beneke read an essay on "Brotherly Love Among the Florists." The essay was written by Fritz Blumenschneider and caused much merriment. Jule is somewhat of an actor himself and read the essay with all the force and gesticulation possible, and everyone told him he was one of "unsere leute." The florists' bulletin was discussed, several members took stock in it and the first publication will be out in six weeks. The annual picnic and outing was announced by the trustees, J. J. Beneke, Chas. Schoenle and Harry Ostertag, to take place at Ramona park July 21. After the meeting a smoker was given. Harry Balsley, of Detroit, Mich., and S. S. Skidelsky, of Philadelphia, Pa., were present and called upon to make a few remarks. Fifty dollars was voted by the club for the picnic. At the next meeting, July 14, the nomination of officers will take place. J. J. Beneke was appointed as committee of one on transportation to the S. A. F. convention at Rochester, N. Y., next August. The question box was interesting and high prices demanded for Memorial day stock were discussed. Geo. Angermueller and Will Smith, of the W. C. Smith Wholesale Floral Co., replied and declared that the scarcity of stock demanded \$4 per 100 for Boston Mar-



# FOR JUNE WEDDINGS —AND— Commencements

Our stocks are in the finest possible condition for the season.  
**Carnations and Long-stemmed Beauties** are especially good.

## CURRENT PRICE LIST

|                                 |                          | Per 100  |        |                                          |                | Per 100          |      |
|---------------------------------|--------------------------|----------|--------|------------------------------------------|----------------|------------------|------|
| <b>American Beauties,</b>       |                          | Per doz. |        | <b>Mrs. Marshall Field, select</b> ..... |                |                  |      |
| Long stems .....                | \$3 00                   |          |        | medium .....                             | \$4 00 to 5 00 |                  |      |
| 30-inch stems .....             | 2 50                     |          |        | <b>Bridesmaid</b> .....                  |                | 4 00 to 5 00     |      |
| 24-inch stems .....             | 2 00                     |          |        | <b>Bride</b> .....                       |                | 4 00 to 5 00     |      |
| 20-inch stems .....             | 1 50                     |          |        | <b>My Maryland, select</b> .....         |                | 6 00             |      |
| 15-inch stems .....             | 1 25                     |          |        | medium .....                             | 4 00 to 5 00   |                  |      |
| 12-inch stems .....             | 1 00                     |          |        | <b>Chatenay</b> .....                    |                | 5 00             |      |
| Short stems .....               | \$4 00 to \$6 00 per 100 |          |        | <b>Ivory</b> .....                       |                | 5 00             |      |
| <b>Richmond, select.</b> .....  |                          | Per 100  | \$6 00 | <b>ROSES, our selection</b> .....        |                | \$3 00           |      |
| medium .....                    | \$4 00 to 5 00           |          |        | <b>Carnations</b> .....                  |                | \$1 50 to \$2 50 |      |
| <b>Killarney, select.</b> ..... |                          |          | 6 00   | <b>Valley</b> .....                      |                | 3 00 to 4 00     |      |
| medium .....                    | 4 00 to 5 00             |          |        | <b>Peonies, good stock,</b>              |                |                  |      |
|                                 |                          |          |        | assorted .....                           | per doz.,      | 50 to \$1 00     |      |
|                                 |                          |          |        | <b>Easter Lilies</b> .....               |                | per doz.,        | 1 50 |
|                                 |                          |          |        | <b>Callas</b> .....                      |                | per doz.,        | 1 50 |
|                                 |                          |          |        | <b>Asparagus Plumosus,</b>               |                |                  |      |
|                                 |                          |          |        | extra quality .....                      | per bunch,     | 50               |      |
|                                 |                          |          |        | <b>Fancy Ferns</b> .....                 |                | per 1000,        | 3 00 |

# Peter Reinberg, 35 Randolph St., CHICAGO.

## FLOWERS FOR JUNE WEDDINGS AND SCHOOL COMMENCEMENTS.

To those customers who have been using our flowers right along we need only say that our stock was never in better condition than at present. A word to the wise is sufficient.

To those who are not among our regular customers, we wish to say that there are no better flowers reaching this or any other market than those we are now receiving from our mammoth greenhouse plant.

**Beauties**, long stemmed, medium and short for all purposes. **My Maryland**, **Killarney**, **White Killarney** and **Richmond** roses are especially good and we have extra long stems, 40-inch, fine for graduation bouquets, **Carnations** in all leading varieties. Plenty of fine colored **Enchantress**, **Winsor** and **Lawson**.

Home-grown **Orchids** (Cattleyas) a specialty, **C. Mossiae** and **C. Gigas** are in full cut and the flowers are especially good. **Greens** of all kinds **Adiantum** and **Asparagus**.

**POELHMANN BROS. CO.** OFFICE AND SALESROOM:  
33-35-37 RANDOLPH STREET. Chicago,  
LONG DISTANCE PHONE, RANDOLPH 35.

ket, but no one mentioned what the retailer got for asking \$1 per dozen from his customers.

Ernest Strehle has been appointed superintendent of parks. He has been connected with the park department for seven years and is a first-class gardener. He takes the place of the late Geo. Ostertag.

C. Young & Sons Co. have completed the planting out at Delmar garden. This firm has had the floral decorations at this summer garden for years.

The greenhouses of Richard Frow and the Eggeling Floral Co. were badly damaged by the hail June 9.

C. A. Kuehn is handling some first-class lily of the valley. W. F.

HASTINGS, NEB.—C. W. Sidles is doubling the size of his plant with three houses, each 38x150 feet, built with galvanized iron bars and quite up-to-date. Business is good here both in plants and cut flowers and Mr. Sidles is building himself a residence.

### Syracuses, N. Y.

For the first time this city is to have a flower show next week, devoted entirely to roses. The event has been designated as a rose fair, and will be held June 20-21 at Mystique Krewe hall, South Salina street. The object is to get together an attractive collection of roses produced in this section by professional and amateur growers, to encourage the cultivation of the rose and to establish a rose society which will hold a fair annually.

The fair is being promoted by Rev. Dr. E. M. Mills, who is assisted by a committee composed of two women and one man from each Methodist church in the city. This committee invites every lover of roses, regardless of creed or nationality, to make an exhibit or attend the fair, and Dr. Mills will furnish all information relative to entries, etc., at his residence, 823 Sumner avenue. Dr. Mills is working hard to make the event a success. He is especially anxious to encourage the small growers, declaring that their opportunity for capturing some of the prizes is just as good as

that of the larger and more expert growers of roses. All exhibits in competition for prizes must be placed by noon, next Monday.

Dr. Mills will attend the great rose show of the National Rose Society in London, July 8. At this show prizes amounting to \$4,000 will be given. He is writing a book on roses which he will have published next winter. He has engaged P. de Longpre, of Hollywood, Calif., to produce the illustrations.

### Ithaca, N. Y.

The Cornell University campus never looked greener or more beautiful than it looks this year, owing no doubt to the cool, rainy season. The peonies on the experiment station grounds are in excellent condition, but very late, only a few of the plants showing bloom. Most of the plants, however, are well budded and will afford a grand display of bloom later. Extensive trials of sweet peas and cannas are in progress. The new Lord & Burnham range of the De-



**Send Us Your  
Orders For....**

# Cut Flowers

## For June Weddings and Commencements

**Better Fixed Than Ever. More Growers Than Ever,**

### AMERICAN BEAUTIES

|                    | Per doz          |
|--------------------|------------------|
| Long stems.....    | \$3 00           |
| 30-inch stems..... | 2 50             |
| 24-inch stems..... | 2 00             |
| 20-inch stems..... | 1 50             |
| 12-inch stems..... | 1 00             |
| Short stems.....   | .75              |
|                    | Per 100          |
| Bridesmaid.....    | \$4 00 to \$6 00 |
| Bride.....         | 4 00 to 6 00     |
| Golden Gate.....   | 4 00 to 6 00     |
| Kaiserin.....      | 4 00 to 6 00     |

|                                 | Per 100                |
|---------------------------------|------------------------|
| Richmond.....                   | \$4 00 to \$8 00       |
| Killarney.....                  | 4 00 to 8 00           |
| ROSES, our selection.....       | 4 00                   |
| PEONIES, good stock, assorted.. | 8 00                   |
| Old Red (Fancy), per doz., 50c  |                        |
| CARNATIONS, Al stock.....       | \$2 00 to 3 00         |
| fancy red.....                  | 4 00                   |
| Harrisii.....                   | per doz., \$2 00 15 00 |
| Gladioli, fancy.....            | 8 00 to 12 00          |

|                              | Per 100                |
|------------------------------|------------------------|
| Sweet Peas.....              | \$ 75 to \$1 50        |
| Valley.....                  | 3 00 to 4 00           |
| Daisies.....                 | 75 to 2 00             |
| Pansies.....                 | 1 00 to 1 50           |
| Adiantum.....                | 75 to 1 00             |
| Asparagus, strings, each, \$ | 50 to \$ 75            |
| Asparagus, bunches each,     | 35 to 50               |
| Sprengeri, bunches, each,    | 25 to 50               |
| Ferns.....                   | per 1000, 3 00         |
| Galax.....                   | per 1000, 1 00 to 1 25 |
| Smilax.....                  | per doz., 2 00 to 2 50 |

# VAUGHAN & SPERRY

LONG DISTANCE PHONE  
CENTRAL 2571.

52-54 Wabash Ave., CHICAGO.

partment of Agriculture is now ready for the students.

Prof. L. H. Bailey, who has been studying agriculture in Ireland, will return this week.

Prof. John Craig attended the Denver convention of nurserymen and is still absent in the west.

Henry Bool and his nephew, Arthur Bool, are making preparations to sail for Europe July 15.

Visitor: M. Barker of the AMERICAN FLORIST.

### Madison, N. J.

The June meeting of the Morris County Gardeners' and Florists' Society called out a large attendance to hear John E. Lager's talk on "Orchid Culture." Mr. Lager devoted nearly an hour to his theme, which was intensely interesting throughout. He took up the principal orchids of commerce section by section, and gave the present day methods of cultivation. The shading and construction of houses was dwelt on to quite some extent. A hearty vote of thanks was accorded the speaker. Joseph Manda spoke on "New Jersey at the Boston Orchid Show," as did Arthur Herrington. Wm. Duckham spoke on the Boston park system and advised every gardener visiting there to look up Mr. Pettigrew and he would never regret it. The only exhibit of the evening was a magnificent box of Earliest of All tomatoes (Sutton) from H. B. Vyse, who was awarded a cultural certificate. The flower show committee reported progress. As has been the custom for some years, the society adjourned its regular meetings until September 14 next. In the meantime the flower show committee will have lots to do.

Arthur Herrington was unanimously elected manager of our next show, which is a great help to the committee, as now we can make arrangements, form definite plans, and have a responsible head man, subject to the committee's approval in his work, of course. Mr. Herrington has always been on the committee of arrangements at all the flower shows since the society was organized. The executive ability and the taste shown in

arranging and grouping on these occasions by him more than warranted the society in its action.

The Morris Co. Gardeners' and Florists Society will hold its annual outing in conjunction with the Florists' Club on June 28. E. R.

### To Be Done Now.

#### IN THE GREENHOUSES.

Pot on young cyclamens, Begonia Gloire de Lorraine, double petunias and other stock before they become potbound.

Keep the houses where cool orchids are grown as cool as possible by heavy shading and frequent dampening of the floors and stages.

Propagate antirrhinums of good varieties by cuttings for next winter's flowering.

Push on with the propagating of poinsettias.

Water the young rose stock on the benches carefully just around each individual plant. Never wet the whole of the soil.

Young carnations may grow out of the rust but a few sprayings with a good fungicide will help matters some.

Make a note of the plants that sold best for Memorial day with a view to propagation.

Clear out any old plants of marguerites that are becoming infected with insects or they will soon spread all over the house.

A few benches of roses should be partially dried off now for pruning and mulching, those that are to be carried over of course.

Make plantings of Asparagus plumosus and Sprengeri and look carefully after the young smilax.

Pot the old stock plants of bouvardias if these are to be kept another year, first reducing the balls of soil a little.

Remove the side glass from the houses where violets are kept in all summer and put full ventilation on top.

#### OUTDOORS.

Finish the planting of all gladioli without further delay.

# APHINE

The insecticide that  
**Will Destroy Plant Lice**  
of every species—out of  
doors and under glass.

**Gallons, \$2.50;**  
**Quarts, \$1.00;**  
**Pints, 65c;**  
**Half Pints, 40c.**

If your supply house does not yet handle **Aphine**, and you are interested to try it, we will send you a half pint can, as a sample, all charges prepaid, on receipt of 40c.

Send for descriptive circular.

**Aphine Manufacturing Co.**  
**MADISON, N. J.**

A good mulch of strawy manure is excellent for sweet peas, keeping the soil moist and the roots cool.

Plant out stevia, boulevardias, stock geraniums and other tender plants and water freely till established.

Nothing keeps the moisture in the soil among growing crops so well as continuous hoeing and this treatment leads to freer growth than watering.

Use a spray of Bordeaux mixture on hollyhocks should any signs of the rose fungus appear.

A shady position, either natural or artificial, should be provided for all



# Cut Flowers E. H. HUNT

FOR ALL OCCASIONS.  
FLORISTS' SUPPLIES TOO.

—SEND FOR PRICE LIST.—  
76 Wabash Avenue, CHICAGO

## KYLE & FOERSTER,

W. P. KYLE.

51 Wabash Ave.,

—CONSIGNORS SOLICITED.—

Wholesale Florists.

L. D. Phone  
Randolph 3619.

JOSEPH FOERSTER

CHICAGO

## KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., Chicago  
L. D. Phone, Central 466.

We will have anything in the line of  
**CUT FLOWERS and GREENS**  
that you may want if anybody has it at  
Chicago market prices on day of shipment.

## A. L. Randall Co.

19-21 Randolph St.,  
CHICAGO.

L. D. Phone Central 1496. Private Exchange  
All Departments. If you do not receive our  
price list regularly send for it.

**BE YOUR OWN COMMISSION MAN**  
—AT THE—

## Flower Growers' Market

60 Wabash Ave., CHICAGO.

A Few Desirable Stands For Rent.  
See JOHN SINNER, Manager.

divided up plants like primroses, vio-  
lets, dornicums, etc.

Bulbs such as tulips, narcissi and  
hyacinths, lifted from the flower beds,  
are useful for planting in any rougher  
parts of the garden for cutting next  
year.

It is impossible to begin the paint-  
ing, glazing and repairing of green-  
houses and frames too early.

Cut peonies while it is cool and  
place in water in a shed to open be-  
fore shipping.

Clean up the edges of lawns now  
as they have been cut a few times and  
have become firm.

English ivy cuttings placed two or  
three in a small pot, well watered and  
stood in a shady place will make nice  
stock by autumn.

### The Temple Show.

The twenty-third annual Temple  
show of the Royal Horticultural So-  
ciety was held in London, Eng., re-  
cently. The weather was good and al-  
though the national mourning un-  
doubtedly affected the attendance,  
the receipts for the first day  
were larger than those of the  
same day last year. The mourn-  
ing worn by the ladies present  
made a marked contrast to the bril-  
liant costumes usually worn at this  
show. The features of the show were

## E. C. AMLING

THE LARGEST,  
BEST EQUIPPED,  
MOST CENTRALLY LOCATED  
WHOLESALE  
CUT FLOWER HOUSE  
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,  
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

## Wholesale Flower Markets

| CHICAGO, June 15.                |       |            |
|----------------------------------|-------|------------|
| Roses, Beauty, extra select...   | 3 00  |            |
| " " specials...                  | 2 50  |            |
| " " 36 in...                     | 2 00  |            |
| " " 30 in...                     | 1 50  |            |
| " " 18 in...                     | 1 25  |            |
| " " 15 in...                     | 1 00  |            |
| " " Short...                     | 50@   | 75         |
| Per 100                          |       |            |
| " Bride, Bridesmaid, select...   | 4 00@ | 8 00       |
| " " medium...                    | 2 00@ | 3 00       |
| " Killarney, select...           | 5 00@ | 8 00       |
| " " medium and short...          | 2 00@ | 4 00       |
| " Mrs. Jardine...                | 4 00@ | 8 00       |
| " Mrs. Potter Palmer...          | 2 00@ | 6 00       |
| " My Maryland...                 | 3 00@ | 8 00       |
| " Perle...                       | 2 00@ | 6 00       |
| " Richmond...                    | 3 00@ | 8 00       |
| " Uncle John...                  | 3 00@ | 8 00       |
| " White Killarney select...      | 4 00@ | 8 00       |
| " " medium...                    | 2 00@ | 3 00       |
| Carnations, select fancy...      | 2 00@ | 3 00       |
| " common and splits...           |       | 1 00       |
| Lilium Harrisii per doz...       | 2 00  | 8 00@10 00 |
| Lily of the Valley...            | 2 00@ | 4 00       |
| Cattleyas...                     | 4 00@ | 6 00       |
| " Special Gigas...               |       | 7 50       |
| Peonies per doz...               | 50@   | 1 00       |
| Sweet Peas...                    |       | 75@ 1 50   |
| Adiantum per 100...              |       | 75@ 1 50   |
| Asparagus Plum, strings, each... | 60@   | 75         |
| " " sprays...                    | 3 00@ | 4 00       |
| " Sprenger...                    | 3 00@ | 4 00       |
| Ferns per 1000...                |       | 2 00       |
| Smilax...                        | 2 00@ | 2 50       |

the orchid and rose exhibits. The for-  
mer class was exceptionally good,  
many novelties of odontiodas, milto-  
nias and odontoglossums being shown.  
In roses the center of attraction was  
a brilliant Wichuraiana hybrid, named  
Excelsa, although the rambler and  
hybrid tea types were well represent-  
ed with the best novelties shown in  
years. Other promising introductions  
included a double-flowered marguer-  
ite; three choice rhododendrons, Prin-  
cess Juliana, Alice and Florodora; a  
variety of Rhus typhina with lacin-  
iated leaves and many caceolarias and  
cinerarias. Placing the novelties in a  
separate tent was an innovation, and  
this, together with marked improve-  
ment in the staging of all the exhibits,  
contributed largely toward making  
one of the best shows in recent years.

## CHAS. W. McKELLAR,

51 Wabash Ave.  
CHICAGO.

## ORCHIDS

A Specialty

Fancy Stock in Peonies,  
Valley, Roses, Beauties,  
Carnations and a full line  
of all Cut Flowers, Greens,  
Wire-Work and Florists'  
Supplies.

Send for Complete  
Catalogue.

## WIETOR BROS.

Wholesale  
Growers of **Cut Flowers**

All telegraph and telephone orders given  
prompt attention.

51 Wabash Ave.. CHICAGO.



## HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store 51 Wabash Avenue CHICAGO

## Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO

Telephone, Central 3284.

## Quality Counts..

Let us have your next order for

**Roses and Carnations**  
and other Seasonable Flowers.

JOHN KRUCHTEN,

51 Wabash Ave.. CHICAGO.

There was the usual talk of the show  
being discontinued after this year but  
nobody paid much attention to it.



## American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

## Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

## Rice Brothers

Wholesale Florists and Supplies,

115 N. 6th St., MINNEAPOLIS, MINN.

Cut Flowers received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities

Mention the American Florist when writing

## THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

## Weiland & Olinger

128 E. Third S., CINCINNATI, O.

Wholesale Growers and Shippers of Cut Flowers.

## William Murphy,

Wholesale Commission  
FLORIST

311 Main Street, CINCINNATI, OHIO.

Pittsburg.

If the weather had been bright the past two weeks instead of dark it would be hard to tell how bad the market would have been glutted. As it is there is so much stock that probably as much finds its way out the back door as the front. The quality is going back very fast and this is especially noticeable on carnations. Outdoor sweet peas are fine and strong sellers. Cattleyas and Beauties also move nicely. There is never enough good red carnations and red roses to go around. Valley and lilies are slow. Greens are plentiful.

### NOTES.

Randolph & McClements are showing very fine hydrangeas and other flowering plants at their Baum street store. They have been very busy with orders for commencement exercises. One certainly is much surprised to see the change at the Penn avenue store of this firm. All alterations and arrangements have been completed and the store, which now occupies two large windows on Penn avenue and one on N. Highland avenue, may well be called the "Pride of the Avenue." The show windows display the artistic ability of Henry Klunders, manager. With Mr. Klunders at the wheel and his worthy assistant, Mrs. Kinney, the promises of the store look very good for the coming season, and we feel that such a management will more than make good.

I. E. Butler, New Kensington, came to this city June 9 and purchased three horses. He engaged a negro to drive him home, and he

## HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

## Wholesale Flower Markets

| BOSTON, June 15.         |             | Per 100 |
|--------------------------|-------------|---------|
| Roses, Beauty, best      | 20 00@25 00 |         |
| " " medium               | 15 00@20 00 |         |
| " " culls                | 5 00@10 00  |         |
| " Bride, Bridesmaid      | 1 00@4 00   |         |
| " " Extra                | 5 00@8 00   |         |
| " Killarney and Richmond | 2 00@8 00   |         |
| " My Maryland            | 1 00@8 00   |         |
| " Carnot                 | 2 00@12 00  |         |
| Carnations, select       | 1 00@2 00   |         |
| " fancy                  | 2 00@3 00   |         |
| Callas                   | 8 00@10 00  |         |
| Cattleyas                | 35 00@50 00 |         |
| Lilium Longiflorum       | 8 00@12 00  |         |
| Lily of the Valley       | 2 00@4 00   |         |
| Smilax                   | 12 00@16 00 |         |

| ST. LOUIS, June 15.       |             | Per 100 |
|---------------------------|-------------|---------|
| Roses, Beauty, long stems | 15 00@20 00 |         |
| " " medium stems          | 8 00@12 50  |         |
| " " short stems           | 2 00@4 00   |         |
| " Bride, Bridesmaid       | 3 00@5 00   |         |
| " Killarney               | 3 00@6 00   |         |
| " My Maryland             | 3 00@6 00   |         |
| " Richmond                | 3 00@6 00   |         |
| Carnations                | 1 00@2 00   |         |
| " fancy                   | 2 00@3 00   |         |
| Callas                    | 8 00@10 00  |         |
| Easter Lilies             | 6 00@10 00  |         |
| Sweet Peas                | 20 @ 50     |         |
| Adiantum                  | 1 @ 1 50    |         |
| Asparagus Sprengeri       | 2 00@3 00   |         |
| Smilax                    | 12 50@15 00 |         |

| CINCINNATI, June 15.          |             | Per 100 |
|-------------------------------|-------------|---------|
| Roses, Beauty                 | 1 00@4 00   |         |
| " Bride, Bridesmaid           | 2 00@6 00   |         |
| " Golden Gate                 | 2 00@6 00   |         |
| " Killarney                   | 2 00@6 00   |         |
| " Richmond                    | 2 00@6 00   |         |
| Carnations                    | 1 00@3 00   |         |
| Callas                        | 10 @ 50     |         |
| Daisies                       | 50 @ 50     |         |
| Lilium Longiflorum            | 10 00@12 50 |         |
| Lily of the Valley            | 3 00@4 00   |         |
| Peonies                       | 4 00@5 00   |         |
| Sweet Peas                    | 50 @ 75     |         |
| Adiantum                      | 1 @ 1 50    |         |
| Asparagus Sprengeri, per bch. | 25 @ 25     |         |
| Smilax                        | 12 50@15 00 |         |

| MILWAUKEE, June 15.   |                     | Per 100 |
|-----------------------|---------------------|---------|
| Roses, Beauty         | 50 @ 3 00           |         |
| " Bride Bridesmaid    | 3 00@8 00           |         |
| " Killarney           | 3 00@8 00           |         |
| " Richmond            | 3 00@8 00           |         |
| Carnations            | 1 50@3 00           |         |
| Callas                | 15 @ 00             |         |
| Lilium Giganteum      | per doz., 1 50      |         |
| Lily of the Valley    | 4 @ 00              |         |
| Magnolia              | 35 @ 00             |         |
| Peonies               | 5 00@8 00           |         |
| Snapdragon            | 3 00@8 00           |         |
| Sweet Peas            | 50 @ 1 00           |         |
| Adiantum              | 1 @ 1 50            |         |
| Asparagus             | per string, 50 @ 60 |         |
| " Plumosos, per bunch | 50 @ 50             |         |
| " Sprengeri           | 35 @ 00             |         |
| Boxwood               | per bunch, 25 @ 00  |         |
| Ferns, Fancy          | per 1000, 3 @ 60    |         |
| Galax                 | per 1000, 1 50 @ 20 |         |
| Smilax                | per doz., 3 @ 00    |         |

claims that he was doped on the way and relieved of jewelry, etc., to the value of \$300, also the horse and buggy which the negro kept after delivering Mr. Butler in a stupor to a lively stable.

H. L. Blind Bros. report a good business and their displays at the east end as well as down town are very attractive and undoubtedly the means of increasing their business.

—THE—  
**J.M. McCullough's Sons Co.,**  
Wholesale Commission Florists.  
—CONSIGNMENTS SOLICITED.—  
Special attention given to Shipping Orders.  
**Jobbers of FLORISTS' SUPPLIES**  
**SEEDS and BULBS.**  
Price List on Application.  
**316 Walnut St., CINCINNATI, OHIO.**  
Phone Main 584.

## H. G. BERNING,

Wholesale Florist,

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## C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

## WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St.,  
Both L. D. Phones. ST. LOUIS, MO.  
Supplies and Every thing in Season always on hand

E. C. Ludwig had the decorations for the Eagles at Duquesne garden. Mrs. Ludwig, who has been on the sick list, is now getting along nicely.

An automobile which ran amuck struck the greenhouses of C. H. Puhlman, Mt. Lebanon, and wrecked one end of one of the houses.

John McClements was married to Miss Pearl Dunkle, of Sheridan, June 15. He is spending his honeymoon in the east.

The recent windstorm did considerable damage to F. H. Westhoff's new greenhouses which are being put up.

Henry Blind states that the increase in his business lately compels him to put on a new bookkeeper.

We are sorry to report the death of Edw. Niggel's baby, the birth of which was reported last week.

Zieger Co. has a very nice display of flowering plants and cut flowers and report a good business.

J. J. Fuchs, of the south side, has rearranged his store.



# Ferns

New stock. No waste.  
Can furnish any quantity.  
\$1.00 per 1000.

# Early Closing

Commencing June 20th we will  
close every day at  
6 p. m.

# Galax

BRONZE and GREEN.  
\$7.50 per case;  
1.00 per 1000.

THE LEO NIESSEN CO., Business Hours: 7 a. m. to 6 p. m.  
Wholesale Florists, 1209 Arch Street, Philadelphia, Pa.

## Pittsburg Florists' Exchange,

### CATTLEYAS

#### A SPECIALTY

Home grown Cattleyas a specialty. This stock is much superior to that shipped from other points, and we can furnish you absolutely fresh Orchids at any time at reasonable prices.

Gladioli, Peonies, Roses, Beauties,  
Carnations, Sweet Peas.

All Seasonable Flowers at the Right Price.

Green and Broze Galax 65c per 1000

15 Diamond Square, PITTSBURG, PA.

Mention the American Florist when writing

### Philadelphia.

#### A GOOD DEMAND.

The demand for good flowers keeps such stock moving, there being considerable work requiring the best. Weddings and funerals with commencements have been the events of the week. White roses and valley have been bought up to the extent of the supply, valley being particularly scarce on some days and plentiful enough on others. Sweet peas have been seen in quantity, mostly outdoor stock with quality plus, the large White Spencer being particularly fine. Roses are, owing to the dull cool weather, much brighter in color. All are showing the effects of their long season's forcing and the flowers lack substance and are smaller. The difference between the local and the imported eastern stock is very noticeable. Carnations are getting scarcer, many of the growers getting their houses ready for the new planting. The late peonies are still coming in from outside and the earlier stock from the storage houses; they have been very useful in the larger decorations. Easter lilies are to be had in quantity; there is an increasing average demand for these flowers, as there is for other things which are carried at all times in stock at the commission houses. The weather has been very favorable this season for outdoor roses. For a month past the temperature has been below the normal and there has been numerous and heavy rains. Hybrid teas are at present loaded with flowers of splendid color, size and texture. To many they are a revelation. Their long season of bloom, which in most varieties of this class is continuous throughout the summer, will surely make them very popular, and they will without doubt replace in many cases the old forms of bedding that now ornament the lawns. Among the strong growing climbing roses or ramblers there is one of exceptional merit, introduced some three years ago, that seems for some reason to have escaped the notice of many in the trade. This is called American Pillar. It is one of

### OUR SUMMER CUT OF

## Beauties, Kaiserins, Killarneys

Is now on. This stock will please you.

McCALLUM CO.,

937  
Liberty Ave. Pittsburg

## Pittsburgh Cut Flower Co.,

### Wholesale Florists and Growers,

The House that has and sells good goods at fair prices.

Salesrooms, 222 Oliver Ave.

PITTSBURGH, PA.

## Wholesale Flower Markets

| PHILADELPHIA, June 15.    | Per 100     |
|---------------------------|-------------|
| Roses, Beauty, extra..... | 20 00@25 00 |
| " " first.....            | 10 00@15 00 |
| " Brides and Maids.....   | 4 00@6 00   |
| " Tea.....                | 4 00@6 00   |
| " " extra.....            | 8 00@10 00  |
| Carnations.....           | 2 00@4 00   |
| Callas.....               | 8 00@10 00  |
| Cattleyas.....            | 40 00@50 00 |
| Lilium Harrisii.....      | 8 00@10 00  |
| Lily of the Valley.....   | 4 00@5 00   |
| Mignonette.....           | 3 00@4 00   |
| Peonies.....              | 3 00@6 00   |
| Snappers.....             | 4 00@12 00  |
| Sweet Peas.....           | 50@1 00     |
| Adiantum.....             | 75@1 00     |
| Asparagus.....per bunch   | 50          |
| Smilax.....               | 15 00@20 00 |

| PITTSBURGH, June 15.        | Per 100     |
|-----------------------------|-------------|
| Roses, Beauty, special..... | 12 00@15 00 |
| " " extra.....              | 8 00@12 00  |
| " " No. 1.....              | 4 00@6 00   |
| " Bride Bridesmaid.....     | 2 00@6 00   |
| " Chateaufort.....          | 2 00@6 00   |
| " Killarney.....            | 2 00@6 00   |
| " My Maryland.....          | 2 00@6 00   |
| " Richmond.....             | 2 00@6 00   |
| Carnations.....             | 1 00@2 50   |
| Callas.....                 | 40 00@50 00 |
| Cattleyas.....              | 15 00@20 00 |
| Gladioli.....               | 4 00@8 00   |
| Lilium Longiflorum.....     | 6 00@10 00  |
| Lily of the Valley.....     | 3 00@4 00   |
| Pansies.....                | 50@1 00     |
| Primroses.....              | 3 00@6 00   |
| Sweet Peas.....             | 50@75       |
| Adiantum.....               | 25@50       |
| Asparagus Sprengeri.....    | 1 50        |
| " strings.....per bunch     | 50          |
| " sprays.....per bunch      | 50          |
| Smilax.....                 | 15 00       |

the roses sent out by the Conard-Jones Co., of West Grove, a seedling of Dr. Van Fleet's hybridizing. It is described as bearing large single flowers of rich rosy pink, approaching brilliant carmine, with a pronounced white center and large clusters of yellow crowned stamens. The separate florets are from 2 1/4 to almost three inches in diameter, borne in clusters carrying from 25 to 100 blooms. The foliage is wide and luxurious and the whole appearance of the plant one of great vigor, showing no sign of mildew. As a climbing rose it is the most gorgeous variety I have ever seen and should stand out among roses of its class as Crimson Rambler did when it had the field practically to itself.

Robert Craig, who spent a few days in Baltimore the past week, was loud in his praises of John Cook's new rose Radiance, which he saw growing outside, and which he said should be in every garden. He also visited the large establishment of R. Vincent, Jr., & Sons Co. at White Marsh, Md., where they do things on a scale that persons who have not seen the place can scarcely believe. He says there are gangs of men who do nothing from one year's end to another but pull vegetable plants. Hundreds of thousands of a variety are grown in blocks, and as the shipments are made from Texas to Canada the demand is continuous through the year. Geraniums are also grown by the hundred thousand, and many other things handled on a scale that is amazing to those who are not familiar with the business done.

Friday, June 24, has been selected by W. Atlee Burpee for "a day at Fordhook." It is the day after the adjournment of the American Seed Trade Association at Atlantic City, which convenes next week. To visit these great trial grounds is always a pleasure, but on such a day as this it will be doubly so. Mr. Burpee and Howard Earle have just returned from a flying visit to the seed centers of the far west, which included the seed farms at Lompoc, Calif.

We regret to announce the death of Louis A. Couche, of Seventy-third and Haverford, aged 54. Mr. Couche was a Frenchman, a sawmaker by trade, but for some years had engaged in the raising of violets and fancy garden vegetables. He grew large quantities of single violets. The business will be continued by his wife and son, Louis, who has for several years handled the flowers in this market.

Walter P. Stokes sails for Europe on June 15 for a two months' trip. The lily of the valley farms will be one of the centers of interest. Mr. Stokes has made a specialty of forcing valley for several years, increasing his output each season until the product of his place is now a large factor in this market.

Friday, June 24, is the opening day at Commodore Westcott's club house at Waretown, N. J. To those of the elect this occasion is looked forward to with great pleasure, and no one enjoys it more than the commodore himself.

K.



# REMOVAL. PHILIP F. KESSLER

Has Removed from First Floor to Third Floor, COOGAN BUILDING, 55-57 West 26th Street, NEW YORK CITY.

Same Floor as NEW YORK CUT FLOWER EXCHANGE, 26th Street Side.

As usual, all CUT FLOWERS in season. Finest CALLAS and LILIES every day in the year.

Open 5 a. m. to 6 p. m., Sunday until 10 a. m.  
Telephone 5243 Madison Square.

**PHILIP F. KESSLER.**

## New York.

### TRADE DULL.

The optimists, otherwise the fellows who can extract sunbeams from cucumbers, are now in demand; that is, if they can show any tangible results, which we gravely doubt from their skyrocket and rainbow-hued predictions. The past week closed in gloom and in the opening of this week it has been intensified. Cold weather with pouring rain is the order of the day. In the brief intervals between rains there is a leaden sky and a damp and penetrating atmosphere that has a depressing effect on mankind. There has been a few weddings, and there are also funerals, but the stock they call for, compared with the supply, is a small matter. Necessarily the weather has shortened the supply, but there is more than enough for all demands. Everything is cheap and prices are falling. There is considerable poor stock arriving, but, considering weather conditions, it averages better than might be expected, but the good stock has to take its chances with the poor. Good lily of the valley is being sold for two cents and less, and other leading stocks are dragging along in the same proportion.

June 13.—There is no improvement in the condition of the cut flower market, the consensus of opinion being that, if there is any perceptible change, conditions are growing worse. The solution is that the rich people have gone to Europe and that the middle classes are deterred from buying flowers or any other luxuries by the high cost of living.

### NOTES.

President Pierson of the S. A. F. was in this city on June 11. He had just returned from Boston, where he closed the contract for the Mechanics' building, where the second National Flower Show will be held March 27 to April 2, 1911. The genial president has spent much time on this proposition. He has made two trips to Boston in order to get the matter satisfactorily adjusted. This building was considered by the committee to be much the best location in Boston for the show, and now that it has been secured look out for a great exhibit.

Philip F. Kessler is in his new quarters in the Coogan building, Twenty-sixth street and Sixth avenue. These, as previously noted, are on the floor of the Cut Flower Exchange. For some days a force of mechanics worked hard in fitting up the place, noteworthy among their activities being the building of a very large ice box. In his old location Mr. Kessler

## ANNOUNCEMENT.

We beg to announce that on and after July 1, 1910, the premises on the first floor of the Coogan Bldg. will be under the management of **A. Moltz & Company, who will sell at wholesale only, all flowers in season in addition to roses.**

**A. Moltz**

**Maurice L. Glass.**

**A. MOLTZ & COMPANY, Wholesale Florists,**

Tel. 2921 Madison Sq. Open from 5 a. m. to 6 p. m. Coogan Bldg., 55-57 W. 26th St., New York.

was very successful, always having a line of the finest stock and a corresponding demand from the leading retail stores. In his new location his business will doubtless be greatly increased.

Wm. Long, for many years prominently identified with the retail trade of this city, has bought out Chas. H. Brown's store at 412 Columbus avenue. Mr. Long is a fine designer and decorator, and is well liked in the trade. It is understood that Mr. Brown will hereafter devote all his energies to his new store in the Belnard, Broadway and Eighty-sixth street.

The plant market at Canal and Washington streets continues to be a busy place in the early morning hours. Noteworthy plant stock is always to be found there from Herman C. Steinhoff and John Birnie of West Hoboken, N. J. Paul Reichert of New Durham, N. J., and Wm. F. Koenig of Guttenberg, N. J., as well as from many others.

James Coyle, foreman for Horace E. Froment, is again on duty. He has had a bad cold for the past two weeks.

M. C. Ford now has his new store fitted up in good shape with a fine display window.

### New York Florists' Club.

ANNUAL OUTING JUNE 28.

The following "Welcome" has been issued to the members of the New York Florists' Club:

"Once again we join together to gambol on the green. Thrice welcome to the annual frolicke! 'Let joy be unconfined.' Every member of our club should be present with his family and extend the glad hand of fellowship and comradeship; let us forget our differences and business for the day and meet upon a common ground for a common cause, and mutual friendship and entertainment.

"Let employer and employe mingle and exchange friendly greetings, remembering that we all have souls, are dependent one upon the other and are not 'mere tools to make things'; let us all be children on this glorious day, aye, men and women too, but with the heart of a child, guileless and with the smile and happiness of youth,

eager for the game and the sport of the hour and the gladness of it all.

"And so we repeat—Thrice welcome, come one and all! Leave dull care behind and enter into the spirit of this joyous occasion. Let the members of The New York Florists' Club be proud of their committee and the committee be proud of the members, and the whole trade be proud of one of the greatest organizations for the advancement of horticulture and good fellowship. All hail, and again thrice welcome!"

The regular monthly meeting of the club was held in the Grand Opera House building on the night of June 13, President Miller in the chair, this being the last meeting before vacation. There was a good attendance and an interesting programme.

Geo. V. Nash, secretary of the Horticultural Society of New York, delivered a lecture entitled "A Trip Through Haiti on Horseback." The lecture was beautifully illustrated with stereopticon views, and we regret the impossibility of doing it justice in this hurried report. Mr. Nash was accorded a hearty vote of thanks.

Wm. H. Siebrecht, Jr., reported for the committee on a plant market under the Queensborough bridge. The committee and all interested persons will appear before the board of aldermen on June 20 at 2 p. m.

The transportation committee of the S. A. F. convention at Rochester reported. After some discussion it was decided to take the Lehigh route, the fare being, one way \$7, round trip \$11.20. The train leaves New York at 10:25 a. m. and arrives at Rochester at 7 p. m.

Harry Bunyard, for the outing committee, reported very satisfactory progress. Three hundred and fifty dollars have already been subscribed for prizes.

G. S. C. Marsh, P. J. Smith, M. L. Glass and R. J. E. Young were proposed for membership in the club. The resignation of Wm. Plumb was accepted.

Anton Schulthies, the veteran grower of College Point, suggested that the new plant market be opened with a big show. Several committees were appointed.

C. Melstrom, of Sander & Son, was elected a member and made a pleasing address.



# Young & Nugent,

Telephone 2065-2066 Madison Square.

42 West 28th Street,

To out-of-town florists

We are in the Heart of

**New York**  
And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

## Trade Directory

—OF THE—

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PRICE \$3.00, POSTPAID.

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Established 1887.

Consignments of Cut Flowers handled to best advantage. Your business relations always appreciated.  
Prompt returns. Weekly payments to all shippers.

Telephone 167-4468 Madison Square.

Open at 6 a. m. every day.



Give us a  
Trial  
We can  
Please you.

Roses, Carnations and all kinds o.  
Seasonable Flowers in Stock.

**WM. F. KASTING CO.** Wholesale  
Commission  
Florists.  
**BUFFALO, N. Y.**  
Florists' Supplies and Wire Designs.

Mention the American Florist when writing

## August Millang

WHOLESALE FLORIST

41 W. 28th St., NEW YORK

Mention the American Florist when writing

## N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.

Open for Cut Flower Sales at 6  
o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

**V. S. DORVAL, Secretary.**

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—FLOWERS SHIPPED BY—

## P. J. SMITH,

Are the best product of the best growers  
for the New York market.

Adiantum Croweanum sold here exclusively.

49 West 28th St., NEW YORK

Telephone 1998 Madison Square.

LARNED, KANS.—Joel Smith has purchased the Montgomery place and has built a greenhouse 20x110 feet.

STUBGIS, MICH.—A Richter has sold his place here to John Dunn of Chicago, and has moved to Wellington, O., where he has the T. G. Yale place.

## Wholesale Flower Markets

NEW YORK, June 15.

|                                      |             |
|--------------------------------------|-------------|
| Roses, Beauty, special.....          | 15 00@20 00 |
| "    extra and fancy.....            | 6 00@ 8 00  |
| "    No. 1.....                      | 4 00@ 5 00  |
| "    No 2.....                       | 1 00@ 3 00  |
| "    Bride, Bridesmaid, special..... | 3 00@ 4 00  |
| "    extra and fancy.....            | 2 00@ 3 00  |
| "    Killarney, special.....         | 4 00@ 5 00  |
| "    extra and fancy.....            | 2 00@ 3 00  |
| "    No. 1 and No. 2.....            | 75@ 1 00    |
| "    My Maryland.....                | 1 00@ 5 00  |
| "    Richmond.....                   | 50@ 6 00    |
| Carnations.....                      | 50@ 2 00    |
| Callas.....per doz.,                 | 50@ 75      |
| Cattleyas.....                       | 25 00@40 00 |
| Gardenias...per doz.,                | 75@ 2 00    |
| Gladiolus...per doz.,                | 50@ 1 00    |
| Lilium Longiflorum.....              | 2 00@ 4 00  |
| Lily of the Valley.....              | 1 00@ 2 50  |
| Mignonne...per doz.,                 | 20@ 50      |
| Peonies.....per doz.,                | 50@ 75      |
| Sweet Peas...per doz, bunches        | 50@ 1 00    |

BUFFALO, June 15.

|                                 |             |
|---------------------------------|-------------|
| Roses, Beauty, special.....     | 20 00@25 00 |
| "    fancy.....                 | 15 00@20 00 |
| "    extra.....                 | 10 00@15 00 |
| "    Bride,Maid, Killarney..... | 8 00@10 00  |
| Carnations.....                 | 1 50@ 3 00  |
| Callas.....                     | 8 00@12 00  |
| Daisies.....                    | 1 00@ 2 00  |
| Lilium Longiflorum.....         | 8 00@10 00  |
| Lily of the Valley.....         | 3 00@ 4 00  |
| Mignonne.....                   | 1 00@ 3 00  |
| Peonies.....                    | 3 00@ 6 00  |
| Sweet Peas.....                 | 5@ 1 00     |
| Tulips.....                     | 1 00@ 2 50  |
| Adiantum Croweanum.....         | 1 25@ 1 50  |
| Asparagus Str.....              | 50@ 60      |
| Ferns.....                      | 2 50        |
| Galax, green and bronze.....    | 1 50        |
| Smilax.....                     | 15 00@20 00 |

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WHOLESALE FLORIST,

55 W. 28th Street, NEW YORK.

All flowers in season. Consignments of first-class stock solicited.

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High Grade Orchids always on hand. We have room for good growers. Prompt and full returns.

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NEW YORK.

**Alexander J. Guttman,**  
**THE WHOLESALE FLORIST OF NEW YORK**  
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**PHONES, 1664-1665 MADISON SQUARE**  
**ENOUGH SAID.**

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NEW YORK.

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CUT FLOWERS

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Prompt and satisfactory. Consignments solicited.

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**George Cotsonas & Co.**Wholesale and Retail Dealers  
in all kinds of**Evergreens**Fancy and Dagger  
Ferns, Bronze and  
Green Galax, Holly,  
Leucothoe Sprays,  
Princess Pine Etc.We ship to all parts of United States and Canada.  
127 W. 28th St., bet. 6th & 7th Aves., New York  
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Perpetuated and Natural Sheet

**MOSSSES**New Crop Ferns, Fancy and Daggers  
NOW READY, Price \$1.25 per 1000.

E. A. BEAVEN,

Evergreen, Ala.

We Issue to Members a

**CREDIT LIST**With Quarterly Supplements. The list now contains between 7,000 and 8,000 names. Membership fee, \$10.00 including privilege of obtaining unlimited number of commercial ratings at cost.  
We also collect accounts at standard rates.

National Florists' Board of Trade, 56 Pine St., NEW YORK

**Potting Compost.**

A potting compost, as the term implies, is usually composed of two or more constituents, and the successful grower of pot plants has a formula something like a cooking recipe for every kind of plant. As a thrifty housewife has her stores of things always ready to hand for making the various dishes for the family, so a capable gardener has his stores in some out-of-the-way part of the garden from which he can make up composts for all the kinds of plants he expects to grow.

We must, then, first deal with the constituents of some of the principal potting composts, or those likely to be most generally in demand. The first to be mentioned, as it is the basis of most composts, is turfy loam. It is best obtained from a clay soil as the fibrous roots of the grass and the other constituents mixed with it will sufficiently lighten it and we do not want the water to run through it like a sieve. It should be obtained from a rich meadow, and should consist of not more than the top three or four inches of turf—as bought it is often eight or nine inches, which is, of course, not so rich—this should be stacked up grass downwards in the form of a ridge, so that it may not get unduly washed by the rain, and left three or four months at least, and better six months, before it is put into use. Some put alternate layers of stable manure in the stack, and the result is very good when the whole becomes nicely mellow. When laying in a supply, it is well to estimate for two or three years, as loam improves by keeping and does not lose its fibrous character till after that time.

For those who grow plants of the heath family, which includes azaleas, a supply of peat is necessary, and this can be stored for a long time. Another necessary store, and one which will sometimes take the place of peat, is leaf-mould. Oak leaves are always recommended, but most people take the leaves of their own gardens whatever they may be, and these piled up and left for a year, and perhaps turned



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Bronze and Green Galax .....\$1.00 per 1000; 8.50 per 10 000  
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Southern Wild Smilax, Branch Laurel, Laurel Festooning,  
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New Crop Galax, Bronze or Green.....\$1.25 per 1000; 10,000, \$7.50  
Sphagnum Moss, large bales .....\$1.25; 6 bales, \$7.00. Extra fine  
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**DETROIT, MICH.**

once or twice, will become excellent light material for potting composts, consisting as it will do, of a mixture of humus and the sand from the sweepings of the gravel paths. An old hotbed makes a very good reserve of rich material, which is always handy. Supplementary constituents in order of importance, are sand, both silver and coarse, bone meal, basic slag, bone dust, and mortar rubbish.

This demands some notice. Some recognized measure should be used, preferably one holding a peck, so that we may know the quantity of compost we have in view, and the amount of the various constituents. A pail is as convenient as anything for the purpose for an amateur, holding a comfortable amount to carry and well adapted for helping to scoop up the loam, leaf-mould, etc. It is advisable to have either a small pail holding about a peck or a large one holding half a bushel, as when mixing artificial manures with the compost a pound to the bushel of soil is a safe amount to use, while without any measure, either of soil manure, one may easily use the latter at the rate of three or four pounds to the bushel without knowing it, and when one bears in mind that a pound to about 40 square yards of surface is at the rate of a hundredweight to the acre, it will be seen what a number of tons to the acre three or four pounds to the bushel of soil will be. It is not necessary to weigh the manure every time, a little experience enabling one to tell what weight a given measure will hold, artificial manures, with the exception of basic slag, not varying very much in the weight of a small quantity. When making a compost, it is a good plan to sprinkle some of the manure over it as each pailful is emptied on the bench, as it ensures a more equal distribution through the mass.

An excellent compost for soft-wooded plants in general, one which might be called a universal compost, consists of two-thirds loam, the remaining one-third consisting of old hotbed material and leaf mould in about equal proportions. When plants are given their final shift bone meal is a good lasting substance to mix with this compost at the rate of a pound to the bushel. It contains about half its

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weight of phosphate of lime, as well as some nitrogen.

The soil in pots generally tends to become sour after a time, especially if watered with liquid manure, whether the latter is derived from animal manure or from artificial manures containing acid, as most of them do. Lime is a corrective of acidity, combining with acids and neutralizing them, and it is well therefore to add it in some form to the compost except where it is to be used for plants which are lime-haters, as, for instance, most plants which like a peaty soil, such as the heaths, many lilies, azaleas, etc. Some plants, on the other hand, are specially lovers of lime, such as wallflowers, stocks, and antirrhinums, and nothing is better to mix with the soil in their case than old mortar rubbish.

The compost mentioned above as suitable for most soft-wooded plants is not so for that universally grown plant which we call the "geranium," as it is too rich, and induces more leaf than blossom. Turfy loam by itself is quite rich enough for it. If one has a heap of turfy loam and manure in alternate layers, as suggested above, that is by itself good enough for most plants without the addition of anything else than bone-meal, or lime in some form or other, according to the character of the plant. (Some samples of basic slag contain as much as 15 per cent of free lime, besides phosphate of lime). For all young plants in the seedling stage such a mixture of loam and manure stacked together is quite rich enough, nothing needing to be added to it but some sand to keep it open.—Gardeners' Magazine.



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Boston.

The commercial business of this city has been much demoralized during the past week on account of cold and wet weather, but seems to have taken a turn for the better. On account of a great number of graduating exercises, it is expected that next week's business will be good. On account of throwing out plants, the prices on roses and carnations are starting up.

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FROM NEW YORK EXCEPT AS NOTED.  
June 21.

Hamburg, Ham.-Amer., 9 a. m., Hoboken Pier.  
Noordam, Holl.-Amer., 10 a. m., Hoboken Pier.  
Kronprinzessin Cecilie, N. Ger. Lloyd, 10 a. m., Hoboken Pier.  
FROM BOSTON, Saxonia, Cunard, 9 a. m., Cunard Wharf.

June 22.

Mauretania, Cunard, 9 a. m., Piers 54 and 56, North River.

June 23.

La Lorraine, French, 10 a. m., Pier 42, North River.  
Main, N. Ger. Lloyd, 10 a. m., Hoboken Pier.  
FROM QUEBEC, Lake Manitoba, Can.-Pacific, 3:30 p. m.

June 24.

FROM MONTREAL, Victorian, Allan, 3 a. m.  
FROM BOSTON, Numidian, Allan, 12 noon.  
FROM PHILADELPHIA, Menominee, Red Star, 10 a. m.

June 25.

Columbia, Anchor, 9 a. m., Pier 64, North River.  
St. Paul, American, 10 a. m., Pier 62, North River.  
Carmania, Cunard, 10 a. m., Piers 54 and 56, North River.  
Chicago, French, 10 a. m., Pier 84, North River.  
Kronland, Red Star, 10 a. m., Pier 59, North River.  
Venezia, Fabre, 1 a. m., Amity Dock.

Brooklyn, New York.

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We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

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Baltimore.

The excessive rains continue, and temperature, especially at night, is below the normal. Mildew is prevalent in the rose houses, and indeed, in many places some of the hardy roses which, like the Crimson Rambler, are peculiarly susceptible, are white with it. Corn and other crops in the gardens and truck patches which like the ardent rays of the sun are dragging out a mean life, but the hardier sorts, like peas, etc., are growing equal to Jack's beanstalk. Trade is not very lively, but there is something doing all the time, the various commencements of the many colleges and schools, for which this city is celebrated, are making demands which cause some little ripples of business, pretty fairly distributed in all directions.

Death has had its innings: George Mehl, of Fullerton, lost a day or two ago, his youngest daughter, Rosie, a young woman of promise, and has the sympathy of many friends in his sor-

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row. James McNab, of Catonsville, formerly engaged in the florist's trade and well known to its members, died Sunday at Atlantic City, whither he had gone in the hopes of amending his health, which has long been failing. Mr. McNab was long engaged in the commercial fertilizer trade, was familiar with the chemistry of that great interest, and occupied a position of recognized familiarity with the values, manufacture and application of these materials. His investigations into their use in the gardener's operations were particularly useful and appreciated, and he was often called on for his views by the florists. He was a man of great intelligence, and his death will be heard of with sincere regret. He was a brother-in-law of Isaac H. Moss, president of the Florists' Exchange. He leaves a widow, but no children.

George C. Shaffer and wife, of Washington, D. C., were over on Sunday and made the rounds of some of their friends' places, spending, they said, an enjoyable day. Their intention of coming by auto was defeated by the soft roads and frequent showers.

The season of vacations is on us, and many are beginning to put their houses in order for trips abroad, or to enjoy the attractions of home travel or attendance at the meeting of the Society of American Florists, which will attract quite a number.

Albert G. Fiedler, of S. Charles street, and Ernest W. Fiedler, of Belair road, are off for a voyage over seas, and will spend several weeks in Germany. S. B.

Omaha.

Memorial day is past but not forgotten, as it was one of the heaviest business weeks we ever had and perhaps the most profitable one. A good many orders could not be filled; stock was plentiful and of good quality and therefore commanded good prices. Carnations sold for \$1 per dozen, roses \$1-\$2, American Beauty \$1-\$6, lilies \$3, sweet peas \$1-\$2 per 100. Jasmines are on the decline and people won't buy them as long as they can get some other flower. Peonies sold fine, \$1.50-\$2 per dozen; they were scarce. June business is fine, weddings and receptions keep all busy. All report a good bedding plant business and no surplus can be had. The growers are busy planting roses. It is exceptionally dry here and outdoor stock suffers, especially carnations. If it was not for the cool spring we would have everything burned up. There will be no fruit except strawberries; peaches almost all are gone; a few apples can be seen here and there.

The Florists' Club is contemplating a picnic next month. GRIPPE.

## Cleveland, O.

The Cleveland Cut Flower Co.

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WHEELING, W. VA.—Flowers were extremely scarce here Memorial day. It was feared that many graves would have to be decorated with artificial flowers.



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All orders given prompt  
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Orange, N. J.

The regular meeting of the New Jersey Floricultural Society was held in Lindsley hall, 240 Main street, Friday, June 10. The orchid exhibits from Lager & Hurrell, Joseph A. Manda, West Orange, and Wm. Runkle, gardener to D. Kindsgrab, were especially fine. Rose night was also observed, there being a grand display from the private estates in the Oranges. John R. Le Count of Maplewood, N. J., donated to the society a handsome silver cup to be competed for in any manner decided upon. It will more than likely be competed for at the chrysanthemum show in November. A hearty vote of thanks was extended to Mr. Le Count for his beautiful gift. During the evening we were honored by a visit from Mayor Arthur B. Seymour, who complimented the society upon the excellence of the exhibition.

The society is proud of the fact that five of its members carried off the principal prizes at the great orchid show which was held in Boston recently and a standing vote of thanks was

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Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

extended to them for the courage displayed in going to Boston and cleaning up the boards. Henry Hurrell responded, saying: "I don't see why it is necessary for us to go to Boston for an orchid show. Why can't we have one here in New York or New Jersey. There is a tremendous loss realized from shipping the flowers for so great a distance."

Joseph A. Manda replied in like manner, and said there was no reason why the idea could not be successfully carried out. New Jersey did itself proud, 95 per cent of the exhibitors being Jerseymen and 90 per cent of the prizes being carried off by the growers from this state.

John J. Dervan, gardener to A. C. von Gaasbeck, read a very instructive paper on "Growing Roses Under Glass," which was well received. He is a very successful rose grower. He recommended propagating about January 15, using heel cuttings for that purpose, and when rooted, using a mixture of one part manure to eight parts loam, potting them into 2-inch pots. For the next shift he uses 3-inch pots with a mixture of one part manure to six parts loam, finally putting them into 4-inch pots, one part manure to four of loam. He advised planting about June 15, on raised benches, one part manure to three of good fresh loam, filling the benches two-thirds full and pressing same hard. Before planting in benches he advised giving the houses a thorough cleaning and a good fumigating with hydrocyanic acid gas which kills all insect life.

The awards in competition for points were as follows: Roses, S. M. & A. Colgate, gardener Wm. Reid, 95; A. B. Jenkins, gardener Albert F. Larson, 85; A. C. von Gaasbek, gardener, John J. Derran, 85; Thos. Edison, gardener, Frank Drew, 80; Carnations, Chas. Hathaway, gardener, Max Schneider, 85; Wm. Reid, 85; John Dervan, 78; Flowering Plant, Wm. Reid, 95; John J. Dervan, 60; Foliage Plant, Wm. Reid, 85; Display of Orchids, Lager & Hurrell, 98; Dederich Kindsgrab, 95. Certificates were awarded as follows for the exhibits not in competition for points: Joseph Manda, orchids, certificate of merit; Wm. Reid, roses, culture certificate; John Dervan, roses, certificate of merit; Dederich Kindsgrab, roses, certificate of merit. Fritz Berglund, gardener for the Essex County country club, showed gladioli and carnations. The society will not meet again until September.

W. R.

CHICAGO HEIGHTS, ILL.—Peterson & Johnston are in the hands of a receiver.



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Flowers or Design Work.

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"Quality"

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**JACOB SCHULZ,**

550 So. Fourth Avenue.

Colorado Springs, Colo.

**FRANK F. CRUMP,**

Wholesale and Retail Florist.

MARTINS FERRY, O.—Davidson Bros. had charge of the local school commencement decorations and their work was highly commented upon.

BROOKLYN, N. Y.—Frank De Witt, 2285 Pitkin avenue, was drowned off Merrick, L. I., June 9. He missed his footing while trying to leap from a sloop into a rowboat.

LITTLE ROCK, ARK.—The annual convention of the Arkansas State Horticultural Society opened here June 8 with President D. E. Eicher presiding and 128 in attendance. Several interesting papers were read during the day.



## The Seed Trade.

### American Seed Trade Association.

J. C. Robinson, Waterloo, Neb., Pres.; M. H. Duryea, New York, First Vice-Pres.; F. W. Bolgiano, Washington, D. C., Second Vice-Pres.; C. E. Kendel, Cleveland O., Sec'y and Treas.; Leonard H. Vaughan, Chicago, Asst. Sec'y. Twenty-eighth annual convention, at Atlantic City, N. J., June 21-23, 1910.

THE stock of Kentucky bluegrass seed is reported to be practically cornered.

WALTER P. STOKES, Philadelphia, Pa., sails for Europe, June 15, for a two months' trip. The German lily of the valley fields will be visited.

CHICAGO.—Contract prices on the board of trade June 15 for grass seed were noted as follows: Timothy, \$4.35 nominal. White clover, from 20 cents to 25 cents.

VISITED CHICAGO: E. C. Luck, vice-president T. Lee Adams Seed Co., Kansas City, Mo.; C. N. Page and wife, Des Moines, Ia., enroute to the convention at Atlantic City.

W. ATLEE BURPEE has issued an invitation to many in the trade for a "Day at Fordhook" on June 24, the day after the adjournment of the convention at Atlantic City, N. J.

It is currently reported that the Kentucky bluegrass syndicate is in line to boost prices for the coming season as high as \$2.25 per bushel for 21-pound seed. Predictions of a 50 per cent crop this harvest are in their favor.

LEONARD SUTTON, of Sutton & Sons, Reading, Eng., with a number of others interested in British agriculture, are making a tour covering the more important agricultural colleges and experiment stations in the United States and Canada.

THE J. C. Robinson Seed Co., Waterloo, Neb., writes: "June 11; we have never known such unfavorable weather for the corn crop as we have had since planting time. It has been cold and dry, giving seed corn no chance to sprout or make any growth. Some crops have been planted three times and even then the crop will go through with not over 60 per cent of a normal stand. Sweet corn has been hit harder than the field varieties, as the planting stocks were all a little weak in vitality. The crop is about three weeks late and weather still too cold. Vines are more recently planted and it is yet too early to report much progress."

## Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,  
Growers for the Wholesale  
Trade Only.

**SAN JOSE, CALIF.**

DENAIFES, seed growers, Carignan, France, wish to inform visitors to the international exhibition in Brussels that their stand is situated in the agricultural palace, French section, Group 7, Class 39, and invite all interested to call.

THE supreme court of the state of Nebraska has just handed down an opinion, sustaining the judgment rendered in the district court in favor of The J. C. Robinson Seed Co., Waterloo, against John Hamilton, H. B. Waldron, Citizens State Bank, et al. This suit was brought under replevin to recover a crop of sweet corn, grown by Hamilton in 1907, on plaintiff's land, and sold to Waldron, et al. The district court awarded the corn with costs to the plaintiff, and this decision absolutely places ownership of the entire crop with the owner of the land under the form of contract used. This decision will safeguard all future contracts where seedsmen own their land.

### Hyacinth and Tulip Culture in Holland.

We learn from Holland that on account of the warm weather at this time hyacinths, more than the tulips, are starting to dry up, and if this weather continues for a short time the growth of the bulbs will be very good. Again, on the other side, on account of the early ripening many bulbs will remain small and will therefore be useless for shipment which will result in not so many bulbs being sent away. At any rate it will be very good quality at the expense of quantity.

### Bean Prospects.

E. F. Sherman, Allegan, Mich., writes: "There are no old beans left in this section worth mentioning. The present outlook shows that the farmers are not going to plant nearly as many as common. The acreage will be about 90 per cent of last year and 70 per cent of two years ago. The variety will be mostly white beans that will be planted."

The Le Roy Produce Co., Le Roy, N. Y., advise: "The stock of beans back in the hands of growers is very light; we do not know of more than 1,000 bushels of beans left in this territory that would be naturally tributary to our warehouse. We have had an exceptionally good demand the past two or three weeks, and the stocks in the hands of dealers have been largely reduced."

## Pieters-Wheeler Seed Company

Growers of  
High Grade  
SEED

Hollister,  
California



Onion,  
Lettuce,  
Radish,  
Sweet Peas,  
Etc.

Correspondence  
Solicited.

### Iowa Seed Dealers' Association.

Des Moines was chosen as the convention city for next year by the Iowa Seed Dealers' Association assembled, June 9, at the Chamberlain in annual convention. The meeting next year will be on the second Tuesday in June. Over 30 Iowa seed dealers, which is nearly the entire number, attended the convention. They held morning, afternoon and evening sessions. At the dinner hour they were guests at a banquet given by the Iowa Seed Co.

Among those who addressed the convention were: Henry Wallace, Prof. L. H. Pammell, of Ames, State Food and Dairy Commissioner W. B. Barney, Prof. J. M. Campbell, of Chicago, and H. W. Graham, of the Twentieth Century Farmer. C. N. Page, of Des Moines was elected president for the fourth successive term. Other officers were also re-elected. They are as follows: Henry Field, Shenandoah, vice-president; John T. Hamilton, Cedar Rapids, treasurer; B. H. Adams, Decorah, secretary.

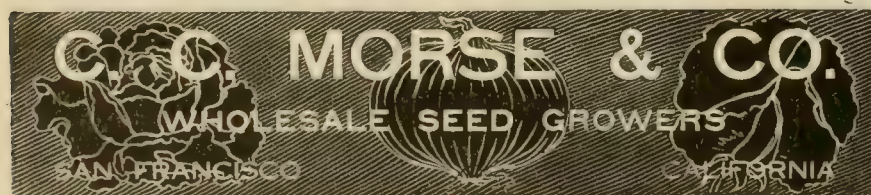
### Canned Pea Pack To Be Light.

The pea situation is strong. Several large packers have failed, while others will not operate at all, and, under the most favorable conditions, the pack will be light. As long as meats bring the prices that they have and are, farmers will not raise sweet corn and tomatoes for canning.

### Catalogues Received.

Julius Roehrs Co., Rutherford, N. J., orchids and stove and greenhouse plants, palms, trees, shrubs; Dennison Mfg. Co., Boston, Mass., printers' list of labels, tags, etc.; McCray Refrigerator Co., Kendallville, Ind., refrigerators for florists; American Blower Co., Detroit, Mich., the "A B C" heater; King Construction Co., N. Tonawanda, N. Y., semi-iron frame greenhouse construction; Giblin & Co., Utica, N. Y., steam and hot water heating apparatus; Wild Bros. Nursery Co., Sarcoxie, Mo., trade list of ornamental trees, evergreen, shrubs, etc.; W. A. Manda, South Orange, N. J., Pocket Garden Dictionary and Catalogue of Everything Pertaining to Horticulture; John T. Withers, Jersey City, N. J., Preservation of Trees; J. A. Peterson, Westwood, Cincinnati, O., Begonia "Glory of Cincinnati"; Globe Heat-Power Co., Chicago, Doylair system of heating; Isaac Hicks & Son, Westbury, N. Y., trees for Long Island; Geo. L. Stillman, Westerly, R. I., dahlias; J. F. Rosenfield, West Point, Neb., wholesale price list of peonies; Michler Bros. Co., Lexington, Ky., nursery stock; Ratekin Nursery Co., Shenandoah, Ia., nursery stock; Noah's Ark Stores, Boulder, Colo., seeds; Rochester Lithographing Co., Rochester, N. Y., supplies for nurserymen; Vine Grove Nursery Co., Minneapolis, Minn., nursery stock; Harlan P. Kelsey, Salem, Mass., hardy American plants; Geo. H. Walker, North Dighton, Mass., dahlias; Hammerschmidt & Clark, Medina, O., seeds; Peter Henderson & Co., New York, farmers' manual and lawn supplies.

Van Zanten & Co., Hillegom, Holland, bulbs; V. Lemoine et Fils, Nancy, France, plant novelties, prize plants and bulbs; W. Van Kleef & Sons, Boskoop, Holland, wholesale list of nursery stock; Otto Beyrodt, Berlin, Germany, orchids; F. J. Grootendorst & Sons, Boskoop, Holland, wholesale







High-class Seeds, Bulbs, Plants, Shrubs and Nursery Stock.

## "BUDS"

CARL R. GLOECKNER, President,  
76 Barclay St., NEW YORK CITY

### COLD STORAGE LILY OF THE VALLEY PIPS

\$12.50 per 1000 in cases of 2000 only.  
Finest German, not Dutch grown. Ready now.

For Fall Delivery 1910

Our own imports from Japan.

|                                          | Per 1000 |
|------------------------------------------|----------|
| Lilium Longiflorum Multiflorum, 7-9..... | \$50 00  |
| " " Giganteum, 7-9.....                  | 65 00    |
| " " Formosum, 7-9.....                   | 65 00    |
| F. O. B. New York.                       |          |



## Freesias

BERMUDA WHITE.

Due 18th.

Per 1000  
Mammoth, 1/2 to 3/4-in. \$9.00  
Choice, 3/8 to 1/2-in. 7.50

Import Bulb List Now Ready  
Write for Copy.

VAUGHAN'S SEED STORE,  
Chicago. New York.

trade list of nursery stock; Goos & Koenemann, Nieder-Walluf, Germany, gladiolus, dahlias, etc.; Schaum & Van Tol, Boskoop, Holland, wholesale trade list of nursery stock; Hortus Nucerenensis, Nocera Inferiore, Italy, plants, seeds, etc.; Eduard Held, Reichstadt, Germany, paper novelties; Nonne & Hoepker, Ahrensburg, Germany, perennials; L. Daehnfeldt, Odense, Denmark, seeds; Arthur De Meyer, Ghent, Belgium, wholesale list of plants and nursery stock; Degraaff Bros., Ltd., Leiden, Holland, wholesale list of bulbs and nursery stock; Arpad Muhle, Temesvar, Hungary, seeds, plants, bulbs and nursery stock.

### Imports.

During the week ending June 10, imports were received at New York as follows:

H. Nungesser & Co., 33 bags seed.  
Carrillo & Baldwin, 2 cases plants.  
To others: 720 bags seed, 64 cases plants.

THE SLENDER SEED CORN GROUND BEETLE.—Bulletin 85, part 2, of the Bureau of Entomology by W. J. Phillips, deals with the life-history and depredations of, and remedies for,

TO THE TRADE

## HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

**Specialties:** Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

**HENRY METTE'S TRIUMPH OF THE GIANT PANSIES**, (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., \$1.50 per 1/4-oz., 75c per 1-16 oz, postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

## Purchase Direct from French Grower

AND SAVE DEALERS' PROFITS

**Hyacinths** White Roman, Etc.  
**Narcissus** Grandiflora P. W., Trumpet Major, Etc.  
**Freesia** Refracta Alba, Etc., Etc., Etc.

**SOLEILLET,** Grower and Exporter, Toulon, France

## Five Minutes to Twelve

Time is getting very short indeed. I will ere long be harvesting my crops of

### Improved Bermuda Onion Seeds

Kindly write to me to-day, without fail, telling me your requirements this fall.

**FEDERICO C. VARELA,** Tenerife, Canary Islands

Your letter takes 20 to 25 days to reach me.

## —FOR— SEEDS

OF ALL KINDS APPLY TO  
**W. W. JOHNSON & SON, Limited,**  
Boston, England.

## BURPEE'S SEEDS PHILADELPHIA

Wholesale Price List for Florists  
and Market Gardeners.

## The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip,  
Radish, Beet, Etc.

Branches: Michigan and Wisconsin. **MILFORD, CONN.**

the slender seed-corn ground beetle, which is causing considerable trouble to those who grow corn on swampy, peaty soil. It would no doubt be of great interest to those who fail to get a good stand of corn on soil of this nature as many failures attributed to poor seed and unfavorable weather are often caused by this beetle.

## Waldo Rohnert

GILROY, CAL.

### Wholesale Seed Grower

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena, in variety.  
Correspondence solicited.

## S. M. Isbell & Co.,

Jackson, Mich.

### CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.  
Correspondence solicited.

## QUALITY SEED BULBS PLANTS

SEND FOR CATALOGUE

**ARTHUR T. BODDINGTON**

342 West 44th St., New York.

## John Bodger & Sons Co.

Gardena, Calif.

Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.



## Market Gardeners

### Greenhouse Vegetable Growers and Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President;  
Franklin DeKleine, Grand Rapids, Mich.,  
Vice-President; S. W. Severance, 508 Illi-  
nois Life Building, Louisville, Ky., Secre-  
tary; M. L. Ruetenik, Cleveland, O., Treas.

CHICAGO.—The first consignment of California sweet corn reached this market last week.

IN conversation with one of the Chicago vegetable growers, he stated that the average prices are not as good as last year. The cold weather keeping the output from being shipped held the market down the opening of the season, although the windup was greater than that of last year. He also stated that there was at one time an over-production of Grand Rapids lettuce under glass, but now the demand is far greater than the production. Cucumbers are bringing good money. We have heard on good authority that some of the vegetable growers will open a new store some time in August. The growers of the Greenhouse Vegetable Co. are well satisfied with their undertaking, the past year being very favorable to them.

THE following attempt of the Ontario Experiment Farm was made to kill bindweed by applying crystals of iron sulphate. On a thick patch of bindweed, three yards long by two yards wide, 20 pounds of the crystals of iron sulphate were placed. On a similar patch of the same size nine pounds were applied. On inspecting the plots three days after the applications were made, it was found that on the plot on which only nine pounds of the iron sulphate had been applied the leaves were only slightly damaged, while on the plot on which 20 pounds had been used all the leaves and stems were blackened and destroyed. Three weeks later, however, both plots looked as green and fresh as ever; even the heavy application having failed to weaken the underground rootstocks.

### Weeding.

June may be the month of roses for some people—to the market gardener it is the month of weeds. Weeding is always the dreaded part of all gardening operations. It means to get down on hands and knees and remove the weeds from the rows of seedling plants. Often the task is intensified by long spells of wet weather or extreme heat and parched soil. There is no way that we know of to avoid hand weeding; in fact, it is so important to drilled crops it is really the keystone to success. By weeding we also mean thinning, which we do at the same time, considering any excess plants weeds. The proper spacing of plants may vary on different soils and sections, but it is safe to say it never pays to tolerate two plants where one should be. A properly spaced crop will mature above 90 per cent perfect specimens, which means easy harvest and market; in other words, the grading

is done at weeding time and not at harvest.

Most drilled crops such as onions, carrot, parsnip, oyster plants and beet will permit of a closer stand if the rows are spaced liberally; or in other words, if the rows are close, we must allow more room between the plants. Thus we space most of our drilled crops, except onions, 16 inches, and then instruct the weeders to permit no two plants anywhere, and aim to be able to lay two or three fingers between each and every plant left to mature. If one wishes to experiment as to how far rows should be apart, here is a simple way:

Between the different crops allow room for paths, by missing one row; thus between onions and carrot the space would be 32 inches, and the same between carrot and parsnip. If the outside rows of any of the crops are superior to the inside rows, it is safe to say the crops were crowded. As we cannot avoid weeding, the next best thing is to reduce it to a minimum. This we do by hand raking all land for drill crops; by perfectly straight rows; by close shaving with the wheel hoe. Often when conditions are favorable we cut rows down as narrow as one's finger, which is only possible on well prepared land. In the end this is the cheapest.

We always aim to precede the weeding with the wheel hoe, cutting no more than the weeders can handle, and throwing the soil away from both sides of the row. This will allow a ready loosening of the strip to pull the weeds. With top-rooted crops like parsnips and oyster plant we use spike tooth hand rakes to loosen the row, which is a great help. Each weeder carries a paring knife; any weeds that resist are cut below the crown. Thus it is possible to do a perfect job speedily. If young help is employed it is best to pay by the row and for perfect work only. After weeds are pulled apply some nitrate of soda to start off the crop; it will do it nicely.

MARKETMAN.

### News Notes from Connecticut.

Connecticut market growers are quite discouraged over the unusually cool, damp and cloudy weather. For two years previous to this the sunshine was almost continuous and the philosophical ones now say we must grin and bear it, for nature is at work on averages. So far the rainfall is still below the normal. The month of May in the vicinity of Hartford showed more than an inch below the average. So far June has been the coolest, wettest and cloudiest on record and it is enough to give one a case of the blues to witness the slow progress of crops.

Down by the sea in the vicinity of Black Hall conditions are about the same as in the upper valley, but the Black Hall greenhouses are reaping a better harvest of cucumbers than in years of an early season. Some years boatloads of cucumbers come across the sound and load up our Connecticut cities; this will not happen this year, as the "cuke" season has but a few more weeks to run ere carnations and chrysanthemums must occupy the houses.

Thomas L. Brown of Black Hall has been appointed superintendent of products at the Connecticut Fair Association, Inc., of Hartford.

## Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE \$1.10

AMERICAN FLORIST CO.,  
324 Dearborn St., Chicago.



Watch for our Trade Mark stamped on every brick of Lambert's

### Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

In the towns of Black Hall and Lynn there are several millionaires that have private greenhouses and so much help that the head gardeners are able to distribute freely hundreds of vegetable and flowering plants that would be sold by those trying to make a living if they had a chance.

T. L. B.

### Packing and Shipping Vegetables.

Potatoes.—Irish potatoes, says the Southern Shipper, should be dug or plowed out and never left in the sun. Some experienced potato growers in Texas are so particular about this that they will only dig potatoes late in the evening so as to avoid sunshine as much as possible. Irish potatoes should be thoroughly cleaned from all dirt and carefully assorted as to size. Special machines are in the market for this purpose and we advise the use of the same by all shippers, as no potatoes less than 1½ inches in diameter should be offered for sale. Potatoes should be placed in new sacks, holding about 100 pounds.

Onions.—Onions as soon as ripe, should be pulled and if favorable, sunny weather, left on the ground several days, with the exception of the White Bermuda, which does not stand sunshine for any length of time. When thoroughly dried remove the roots and tops and pack and ship in standard crates. These measure 24 inches in length, 6 3/4 inches in width, 16 inches in depth, outside measurements, and hold about 57 pounds.

Cabbage.—When cabbage shows signs of hardness it should be gone over and cut for market. A light hatchet or a heavy butcher knife may be used. A limited amount of cabbage may be shipped to state markets by express in sacks (we prefer the crates), but the bulk of the cabbage crop must always be shipped in car lots for profit. As a rule cabbage is shipped in refrigerator cars, well iced, as it is very apt to heat. Pack only in standard crates 20 x 20 x 28 inches.

Celery.—As soon as celery has attained the full growth and is thoroughly bleached to a rich golden color, it should be dug, taken to the packing shed and roots trimmed. Tie in bunches of 12 stalks and ship in crates or barrels like cauliflower. Celery will go at the same weight as cauliflower. All Texas cities offer good markets for celery; in fact the demand has never been supplied with Texas celery, the most being imported from Colorado and Michigan.



**Peppers.**—The green peppers used for slicing as salads should be picked daily and packed in one-third bushel boxes or one-half bushel baskets. This variety of pepper will be found very profitable as the demand is very brisk during hot weather. The other peppers must be well dried and cured, packed in barrels or crates and offered to merchants and pickle factories. Very little pepper consumed in Texas is grown in Texas. The most of it is imported from Mexico and Louisiana, and we have always found pepper either in the green state or dry a profitable crop.

**Tomatoes.**—The most important feature that brings tomato culture to a successful issue is selection and packing, says the Southern Shipper. The most favorite package is the four basket crate. Tomatoes should be graded as to size and color—Nos. 1, 2, 3. No. 1 the ripest, for close shipment; No. 2, for further shipments, and No. 3 for farthest shipments. It is folly to run the three grades together, as loss invariably follows this mode. Small, inferior tomatoes should not be shipped at all. When you place inferior tomatoes with your good ones, the good stock has to pay the freight on the poor, and you will likely get nothing for your shipments. It pays to grade. While this applies to all vegetables, it certainly does to tomatoes. The express companies must take one-third bushel boxes of tomatoes at 15 pounds, and 4-basket crates at 20 pounds. Shipping in car lots tomatoes must be well iced.

**Egg Plant.**—As soon as ripe, which will be noticed by a dark blue color, egg plant should be nicely packed in one bushel crates or barrels and shipped by express to northern markets, always marking the number of egg plants outside on the crates or barrels. Egg plant sells from \$1 to \$3 per dozen early in the season and is in good demand in all markets.

**Melons (Cantaloupes).**—Cantaloupes should be pulled from the vines about two day before they are ripe. In crating take hold of one end with the thumb and the second and third fingers on the other, and by a slight pressure you can readily detect any "soft ends" which must be thrown out. Now you look the melon all over for any faults that may appear, and if it is O. K. place it solidly in the crate, taking care not to bruise it, and at the same time to have the crate well filled, so there is not a loose melon in it. Do not put in a green melon and make it a rule to put in only what you would be willing to buy. Get the crates into the iced car as soon as possible, if to go by freight. The standard crate is 12 x 12 x 24 inches, and the standard pack is 45 melons to the crate. As there is no estimated weights on cantaloupes the express companies charge 50 pounds for each crate which is entirely too much and we do not advise the shipping of cantaloupes out of the state by express as there is no money in it. Thousands of crates of cantaloupes could be sold in northern markets if a reasonable express rate could be obtained. As it is, even if they sell at high prices, the charges absorb all profit. We advise to ship cantaloupes in car lots only.

#### Experiments With Vegetables.

Onions, cabbages, and tomatoes were all experimented upon with very marked results at the Agricultural College, Guelph, Ont. It was found in the case of both onions and cabbages a ready response was got from the application of soluble nitrogenous fertilizers, particularly in the case of the cabbage crop. Cabbage being a leaf

# Bay Trees



**Standard or Tree Shaped.**

| Stem about | Crown.    | Each.            | Stem about | Crown.           | Each. |
|------------|-----------|------------------|------------|------------------|-------|
| 42         | 46 in.    | 24 in....\$ 6.75 | 45-48 in.  | 30 in....\$10.00 |       |
| 45-48 in.  | 26 in.... | 7.50             | 46-54 in.  | 34 in....        | 12.00 |
| 46-50 in.  | 28 in.... | 8.00             | 46-53 in.  | 40 in....        | 15.00 |

**Dwarf Standards.**

| Total Height. | Crown.           | Each  |
|---------------|------------------|-------|
| 4 to 5 feet.  | 24 to 26 in..... | \$7.5 |

**Pyramid Shaped.**

| Height. | Base.            | Each.   |
|---------|------------------|---------|
| 5 ft.   | 24 to 26 in..... | \$ 8.00 |
| 6 ft.   | 26 to 28 in..... | 10.00   |
| 6½ ft.  | 28 to 30 in..... | 12.00   |

## BOX TREES

If wanted out of tubs we allow 10 per cent discount

| Standard or Tree Shaped.   |                       | Bush Shaped.               |                       |
|----------------------------|-----------------------|----------------------------|-----------------------|
| Crown.                     | Each. Pair.           | These do not come in tubs. |                       |
| 22 to 26 in.....           | \$4.50 \$ 8.00        | Height.                    | Each. Doz. 100        |
| <b>Bush Shaped.</b>        |                       | 12 to 15 in.....           | \$0.35 \$3.50 \$25.00 |
| These do not come in tubs. |                       | 15 to 18 in., light..      | .40 4.00 30.00        |
| Height.                    | Each. Doz. 100        | 15 to 18 in., heavy.       | .45 4.50 35.00        |
| 10 to 12 in.....           | \$0.30 \$3.00 \$20.00 | 20 to 24 in.....           | .75 8.00              |

All plants are quoted f. o. b. Western Springs.

## Vaughan's Seed Store

WESTERN SPRINGS, ILL.

## WIZARD BRAND Pure Bone Flour

Can't be beat for quick, safe and sure results. Absolutely pure bone ground to an exceedingly fine powder, making it the most rapid liquid or dry top-dressing you can use. Try it and learn something about immediate effects on your bench stock.

|           |   |   |   |   |   |         |
|-----------|---|---|---|---|---|---------|
| 125 lbs.  | - | - | - | - | - | \$ 2.00 |
| 500 lbs.  | - | - | - | - | - | 8.00    |
| 1000 lbs. | - | - | - | - | - | 15.00   |
| 2000 lbs. | - | - | - | - | - | 30.00   |

F. O. B. Chicago. Quick shipment.

**THE PULVERIZED MANURE CO. 35 Union Stock Yards, Chicago**

*Mention the American Florist when writing*

crop, and the nitrogen being the constituent that stimulates leaf and stem growth more than all others, this is readily explained. In fertilizing cabbages with nitrate of soda, it should be applied in three applications, rather than all at once, owing to the soluble nature of the material. It must be remembered also that it is most needed in the earliest stages of growth, particularly so in cold and backward seasons.

In the case of onions, fresh stable manure is to be avoided on account of weed seeds, and also because it favors the growth of the onion maggot. Stable manure is preferably used on soil two years before planting onions. An excess of nitrogen delays the ripening and injures the keeping quality of onions.

#### Prices of Indoor Fruits and Vegetables.

New York, June 11.—Mushrooms, 60 cents per pound; cucumbers, cold frame, 30 cents per dozen; lettuce, cold frame, 37 cents per dozen heads; tomatoes, 12 cents to 17 cents per pound; grapes, Hamburgs, imported, \$1.10 per pound; Hamburgs, domestic, \$1 per pound; Gros Colman, \$1.25 per pound; Muscats, \$1.65 per pound; peaches, English, \$5 per dozen; Belgian, \$7 per dozen; nectarines, \$7 per dozen; Florida watermelons, \$1 each.

Chicago, June 15.—Mushrooms, 40 cents to 50 cents per pound; cucumbers, 40 cents per dozen; leaf lettuce, 20-22 cents per box; head lettuce, home-grown, 75 cents per tub; wax beans, 75 cents to \$1.25 per box; tomatoes, \$2-\$2.25 per crate.



## The Nursery Trade

**American Association of Nurserymen.**  
W. P. Stark, Louisiana, Mo., President;  
E. S. Welch, Shenandoah, Ia., Vice-President;  
John Hall, Rochester, N. Y., Sec'y.  
Thirty-sixth annual convention to be held  
at St. Louis, Mo., June, 1911.

THE meeting of the American Peony Society at Boston is reported on page 995.

VISITED CHICAGO: F. F. Scheel, Shermerville Nursery, Shermerville, Ill.

FULL proceedings of the Denver convention of the American Association of Nurserymen will be found on page 994.

YOUNGSTOWN, OHIO. — The Idora Floral & Landscape Company has been organized by William Bakody and Frank Amant. It is the intention of the firm to engage extensively in the nursery business. Five acres will be utilized for a garden and ground has been broken for the greenhouse which will cover 22,000 square feet.

GROWERS in the United States and Canada who exhibited their orchard products in competition at the second National Apple Show last fall, will be requested by the board of trustees to give their views upon questions governing variety ratings, entering and judging of exhibits at the third exhibition in Spokane, Wash., November 14 to 19, when \$25,000 will be distributed in prizes and trophies in the various contests, which are free and open to the world.

THE souvenir book issued for the thirty-fifth annual convention of the American Association of Nurserymen is a most interesting little publication. It describes, under the headings of various western states, the progress and development of horticulture in these states and gives portraits of some of the leading members of the trade and short descriptions of their places. Denver, the convention city, is interestingly written up and the little book is well worth keeping as a souvenir of a most successful and enjoyable meeting.

### Budding Roses.

ED. AMERICAN FLORIST:—

When is the proper time to graft roses outdoors? E. J.

Grafting, as usually understood, is not practiced with outdoor roses. They are grafted in cases under glass at almost any time of the year when needed. Budding, which is, of course, a form of grafting, is carried out in June. Standards are produced by budding on briars at the desired height, the buds being inserted on the young shoots that push from the top. Dwarf roses are produced by budding low down on manetti, seedling brier or other stocks at this time. The stocks should have been planted and earth drawn up to the first three or four inches above ground to keep the stems from hardening. This is removed before budding of course. Budding consists of taking a bud, with a piece of the bark attached about an inch long, from the variety it is intended to propa-

# A BLUE ROSE

## The Greatest Rose Novelty of the Century

*It flowered with us this season and was greatly admired.*

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

*Send for description and price.*

**ELLWANGER & BARRY**

Mount Hope Nurseries

ROCHESTER, N. Y.

## ROSES Our Leading Specialty

Also Azaleas, Rhododendrons, Conifers, Fancy Clipped Boxwoods, Forest and Fruit Trees, Hedge Plants, Etc.  
Ask for Wholesale Price Lists.

**S. A. VOSTERS & SONS,**

**RIEL, HOLLAND.**

gate. An incision is made in the bark of the stock about one and a half inches long and a shorter transverse one so that the bark can be lifted and the bud inserted underneath. It is then tied in with raffia or budding cotton and the work is completed. The time for budding varies a little in dif-



The Giant Himalaya Berry.

ferent seasons and depends upon the condition of the growth. It should be so green on the one hand that it "runs" easily, but sufficiently developed that the bark parts easily from the under layers of tissue. G.

### The Giant Himalaya Berry.

The Giant Himalaya berry was introduced five years ago by the Charles A. Lily Co., Seattle, Wash. Since that time it has covered California, Washington and Oregon. We have grown it five years and sold plants of it three years and find it the best paying blackberry from a commercial standpoint we have ever grown, and is as hardy as an oak tree. We have 10,000 plants here in Michigan. The bloom is shell

## A GOOD INVESTMENT

Evansville, Ind., Feb. 18, 1910.  
AMERICAN FLORIST Co.

Chicago.

DEAR SIR:—I am using your Trade Directory and out of 4000 nurserymen we circularized only two circulars came back. I am enclosing these names as you may want to make the changes.

A. J. LOCKYEAR.

New Edition Now Ready—Price \$3.00.

## JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture

pink the size of a peach bloom, berries jet black, oblong in shape, sweet, and have a port wine flavor. It throws its fruiting canes from the main canes 12 to 18 inches long by 10 to 12 inches wide, having 50 to 100 blooms and later fruits. Almost all other blackberries, have 10 to 15. The Giant Himalaya is also fine for covering old buildings, walls, summer houses, etc. It looks fine trained to a post in the lawn, tying the canes to the post. When they reach the top, pinch them back (say 2 inches) they will then branch out and form a bush or weeping tree, that is a beautiful sight in July with its shell pink blossoms. It crops here in Michigan from July 15 to frost, the main crop being produced in September and October.

There are three varieties of Himalaya berries, the Giant Himalaya, the common Himalaya and a dark-leaved Himalaya. The dark-leaved is an ornament for lawns or shrubbery rather than a commercial berry. We have the three varieties growing here at Berrydale, but only recommend the Giant Himalaya berry. This we believe to be the hardiest berry grown in the United States today.

A. MITTING.





# Bobbink & Atkins

World's Choicest Nursery and  
Greenhouse Products

**Bay Trees, Boxwood,  
Evergreens and Conifers,  
Rhododendrons and Herbaceous  
Plants, Kentias and Phoenix.**

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity \* \* \* \* \*

**Young Rubber Plants,** 2 1-2 inch pots, \$15.00 per 100.  
Order early. Limited Quantity.

**Nurserymen  
and Florists**

**Rutherford, N. J.**

## Phoenix Nursery Company

**Nurserymen and Florists  
BLOOMINGTON, ILLINOIS**

Send list of wants for prices.

Wholesale catalog for spring issued Feb. 1st.

### 500,000 California Privet FOR FALL OF 1910.

A fine stock of 1 and 2 year plants from 12 inches to 4 feet will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.

Also a fine stock of **AMPELOPSIS Veitchii**, 2 years transplanted.

**CHAS. BLACK,** Hightstown, N. J.

#### Rubus Spectabilis.

This is the earliest of the many species of rubus to flower, and it frequently happens that flowers can be found before the middle of April, whilst it is in full bloom by the end of the month. It is a native of California, says the Gardeners' Magazine, and belongs to the raspberry group of the genus. During winter it may be readily distinguished from other species by reason of its light brown stems, which are very conspicuous; in fact, where colored stemmed plants are encouraged, it is well worth including for the sake of the bark alone. The flowers are rose purple, and borne from the leaf axils of last year's shoots. They are not very large, being about three-quarters of an inch across. The fruits are orange-colored, and ripen early in June, but are not of much value, being rather insipid. Planted in light loamy soil it suckers freely, and grows rapidly into a large mass. If the best winter effect is desired it is necessary to prune away the old shoots as soon as the flowers



## Arbor Vitæ

(Thuja Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.  
Write for descriptions and prices.

**The Wm. H. Moon Co.,**  
MORRISVILLE, PA.

## DAHLIAS

Jack Rose and other best Cut Flower varieties. Write for list and prices.

**PEACOCK DAHLIA FARMS**

Williamstown Junction, N. J.

## LARGE TREES

**OAKS and MAPLES  
Pines and Hemlocks**

**ANDORRA NURSERIES,**

Wm. Warner Harper, Prop.

Chestnut Hill,

PHILA., PA.

## Hybrid Perpetual and Rambler Roses

Strong Forcing Stock for Florists.

Orders for fall delivery booking now.

**Jackson & Perkins Company, Newark, N. Y.**

have fallen, in order that there may be nothing to hinder the full development of the young shoots, and detract from them after the fall of the leaves. A hybrid between this and the wild raspberry, *R. idæus*, has originated, but it cannot be said to be of

**NEW BERRY, HIMALAYA GIANT**  
Berry Catalogue free with Colored plates  
Berrydale Experiment Gardens, Holland, Mich.

## THE Storrs & Harrison Co.

**PAINESVILLE NURSERIES.**

CATALOGUES AND PRICE LISTS  
FREE ON APPLICATION.....

**PAINESVILLE, OHIO.**

## Jacs Smits & Co., NAARDEN, (Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Price List Free on Demand.

## ROSES

A SPECIALTY.

**The Dingee & Conard Co.,**  
WEST GROVE, PA.

**Eugene Pitou, Jr.** CIVIL ENGINEER and  
Landscape Architect

Phone Barclay 6084 - 229 Broadway, New York  
Designs, Estimates, Construction of Grounds.

any value, for it is less decorative than *R. spectabilis*, and the fruit is not palatable.



## Aster Plants

Simple's Branching and Queen of the Market.  
Fine plants from field, \$1.75 per 1000

**Geraniums, Heliotropes and Scarlet Sage**, in bloom, out of 4-in. pots \$4.00 per 100.  
**Alyssum, Verbenas, Dusty Miller, Phlox, Primula Obconica**, 2½-in., \$2.00 per 100: 300 for \$5.00.  
**Cabbage and Tomatoes**, all kinds, \$1.00 per 1000. \$3.00 per 10 000.

**Peppers, Sweet Potatoes and Brussels Sprouts**, \$1.50 per 1000.  
**Cauliflower**, Early Snowball, \$2.30 per 1000.

**J. C. SCHMIDT, Bristol, Pa.**  
Please mention the American Florist when writing

## Neph. Whitmani

2½-in. .... 5.00 per 100  
**MAGNIFICA** (new), 2½-in. ... 25.00 per 100

**Boston Ferns** 2½-inch.  
\$3.00 per 100.

**Henry H. Barrows & Son, Whitman, Mass.**  
Mention the American Florist when writing

Sweet-Scented Annuals for the Garden.

Among the vast array of hardy and half-hardy annuals which are available for culture in this country, it is surprising how few of them are really fragrant. It is true that among them we find a few that can lay claim to be included in the front rank of sweet-smelling flowers, but, generally speaking, most of the annuals grown in gardens today are devoid of scent that is agreeable to most persons. The sense of smell differs, of course, in different people, and I have known those who have a partiality for the pungent smell of African and French marigolds, nasturtiums and similar flowers; but the scent of these can scarcely be included under the title of this article.

Although, comparatively speaking, fragrant annuals are so few, there is a good number to select from, many of which are but little known. That these sweet-smelling and easily grown plants are not cultivated nearly so extensively as their merits deserve I think no one will deny; and as the time of sowing is now with us, attention drawn to some, at least, of them may result in their inclusion in many gardens where they have hitherto been omitted. A flower without scent is, to the writer, only half a flower. True, we may have graceful outline, delicate colors, freedom of flowering and a perfectly shaped plant, but without fragrance the life of the flower seems missing. Of course, I realize that scentless flowers have their uses; but where we can combine the good points named above with a delicious fragrance, surely the usefulness of the plant is considerably enhanced.

Undoubtedly the most popular fragrant annual of today is the sweet pea, and as it is so universally grown, more need not be said of it here. Following it closely in popular favor comes mignonette, a plant that has found a place in our gardens for many years almost solely on account of its fragrance. It has not the showy colors and graceful outlines of the sweet pea to commend it to our notice, yet few owners of gardens would care to be without it. Next must come the annual stocks. Those known as ten-week stocks and several other strains of annual varieties are well known, and their fragrance, which is reminiscent of old-world gardens, is highly appreciated. A humbler and not so well known member of the stock family is the night-scented stock, a dwarf-growing slender plant that in the day-

## 20 Per Cent Discount on Bedding Plants for Stock

For the next ten days we will allow **A DISCOUNT OF 20 PER CENT.** on any of the following plants except Ferns and Cyclamen:

|                                              | Per 100 |                                           | Per 100 |
|----------------------------------------------|---------|-------------------------------------------|---------|
| 2 -in. Nutt Geranium .....                   | \$2 50  | 2 -in. Feverfew .....                     | 2 00    |
| 2 -in. Viald .....                           | 2 50    | 2 -in. Rose Geranium .....                | 2 00    |
| 3 -in. Nutt .....                            | 4 50    | 2 -in. Mme. Sallerol Geraniums .....      | 2 00    |
| 4 -in. Nutt .....                            | 6 00    | 2 -in. Dracena Indivisa .....             | 3 00    |
| 3 -in. Viald .....                           | 4 50    | 2 -in. Asparagus Sprangeri .....          | 3 00    |
| 4 -in. Viald .....                           | 6 00    | 2 -in. .. Pl. Nanus .....                 | 3 00    |
| 2½-in. Dbl. Petunias, 2 to 4 varieties ..... | 2 50    | 3 -in. .. ..                              | 7 00    |
| 2 -in. Ageratum, blue .....                  | 2 00    | 2½-in. Whitman, true variety .....        | 5 00    |
| 2 -in. Heliotrope, blue .....                | 2 00    | 3 -in. Cyclamen, 4 colors, separate ..... | 8 00    |
| 2½-in. Dbl. Alyssum .....                    | 2 00    | 2½-in. Salvia .....                       | 2 50    |
| 2 -in. Lantanas, 2 varieties .....           | 2 50    | 1½-in. .. ..                              | 2 00    |
| 2½-in. Centaurea Gymnocarpa .....            | 2 50    | 2 -in. Fuchsia .....                      | 3 00    |
| 2 -in. Coleus, 8 to 10 varieties .....       | 2 00    | 3 -in. .. ..                              | 6 00    |
| 2 -in. Moonvine, white .....                 | 2 50    |                                           |         |
| 2½-in. .. ..                                 | 3 00    |                                           |         |

Our stock is all well grown, and we will guarantee satisfaction. Give us a trial and see.

**D. U. AUGSPURGER & SONS CO., Box 394. Peoria, Ill.**

## Geraniums Coleus

|                                                | 100     | 1000 |                                              | 100  |
|------------------------------------------------|---------|------|----------------------------------------------|------|
| 8 varieties, my selection, 2½-in. pots, \$3 00 | \$25 00 |      | 10 varieties 2½-in. pots .....               | 2 00 |
| 8 varieties, 3-in. pots .....                  | 4 00    |      | <b>Double Petunias</b> , Seedlings .....     | 2 50 |
| <b>Asp. Sprenger</b> seedlings .....           | 1 00    | 7 00 | <b>Alternantheras</b> , red and yellow ..... | 2 00 |
| <b>Asp. Sprenger</b> , 2½-in. pots .....       | 2 00    |      |                                              |      |

—Cash, No C. O. D.—

**JOS. H. CUNNINGHAM, Delaware, O.**

Mention the American Florist when writing

**20,000 Fine Tea Roses** Ready for bedding out in 2- 2½- and 3-in. pots. **Soft Wooded** stock of all description to be closed out cheap for cash. Write your wants to **GEO. A. KUHL, PEKIN, ILL.** Ferns worth the money Our varieties include:

|                          | 2½-in. | 3-in.   | 4-in.   | 5-in.   | 6-in.   | 7-in.   | 8-in.    |
|--------------------------|--------|---------|---------|---------|---------|---------|----------|
| <b>Bostons</b> .....     | \$5 00 | \$10 00 | \$15 00 | \$25 00 | \$40 00 | \$60 00 | \$100 00 |
| <b>Whitman</b> .....     | 7 50   | 15 00   | 25 00   | 50 00   | 75 00   | 100 00  | 150 00   |
| <b>Amerphol</b> .....    | 7 50   | 15 00   | 25 00   | 50 00   | 75 00   | 100 00  | 150 00   |
| <b>Sco til</b> .....     | 7 50   | 15 00   | 25 00   | 50 00   | 75 00   | 100 00  | 150 00   |
| <b>Flumous</b> .....     | 3 50   | 8 00    | 15 00   | 25 00   | 50 00   | 100 00  |          |
| <b>Sorenger</b> .....    | 2 50   | 5 00    | 12 50   | 25 00   | 50 00   |         |          |
| <b>Maiden Hair</b> ..... | 5 00   | 15 00   | 25 00   |         |         |         |          |
| <b>Small Ferns</b> ..... | 5 00   |         |         |         |         |         |          |

Specimen 10-in. and up \$2 50.

time has the appearance of a collection of withered, wire-like shoots. But take a stroll round the garden in the evening, just at dusk and when the dew is falling, and behold! a transformation scene has taken place. The withered, wire-like shoots are studded with charming little cross-shaped flowers of lilac hue, which are sending their delicious fragrance far and wide. I know of no greater pleasure connected with the garden than to sit by an open window after a strenuous summer's day and inhale the fragrance of a clump or two of this insignificant-looking little annual.

Another plant, but of more imposing stature, that gives us the delicate fragrance of its flowers freely in the evening is the sweet-scented tobacco plant, *Nicotiana affinis*, a tall-growing half-hardy annual known to most readers. In addition to the type, we now have the many beautiful colored hybrids of this plant, which are equally as sweet-scented. A half-hardy annual that is seldom met with, but which possess a delicate fragrance, is *Marytynia fragrans*. It is not one of the easiest plants to cultivate, and seedlings must be raised under glass. It grows from 12 inches to 18 inches high, has woolly leaves and large pinkish flowers, which are followed by large pods, each of which has a sharply hooked end. In addition to its fragrance, this plant is interesting as showing one of nature's many methods for the distribution of seeds.

## American Beauty PLANTS

A few thousand nice plants, 2½ and 2½-in. pots.

**John Burton,**  
Chestnut Hill, Phila.

## ROSES, Prime Stock, On Own Roots

Varieties and prices page 972, June 11.

**THE LEEDLE FLORAL COMPANY**  
SPRINGFIELD-OHIO

Sweet sultans are known to most of those who have gardens of even the smallest size, but it may not be so generally known that yellow-flowered varieties can be obtained. The pink family gives us several plants that are either annuals or can be grown as such, notable among them being *Dianthus lacinatus* varieties and the Indian and Japanese pinks.



## Alternanthera JEWEL

We can still supply first-class plants of this magnificent new bedding plant. If you buy now, you will be able to have stock for another year. To clean out, we will make a special price of \$1.50 per doz.; \$10.00 per 100.

## Gardenias

We can quote you in any quantity. 3 in. \$18.00 per 100; 2½ in. \$12.00 per 100. Getting down on 'mums, but still have a few thousand at \$25.00 per 1000.

**CHARLES H. TOTTY,**  
MADISON, N. J.

## Vincas

|                      | Per 100 |
|----------------------|---------|
| Variegated, 2-in.    | \$ 3 00 |
| 3-in.                | 6 00    |
| 3-in., strong        | 8 00    |
| 3-in., extra strong. | 10 00   |

|                                                            |      |
|------------------------------------------------------------|------|
| Alternanthera, 2-in., P. Major and Aurea Nana.             | 2 00 |
| Asparagus Plumosus, strong 3-in., fine stock for benching. | 5 00 |
| Coleus, mixed.                                             | 2 00 |
| Coleus, Verschaffeltii and Golden Bedder.                  | 2 50 |
| Echeveria Secunda Glauca.                                  | 4 00 |
| Geraniums, Mme. Salleri, strong 2-in.                      | 3 00 |

**I. N. KRAMER & SON,**  
CEDAR RAPIDS, IA.

## Asters

Simple's, Crego. Market, Comet, Vick's, \$2.50 per 1000.  
Feverfew, 2-in., 2c; Dusty Miller, 2-in., 1½c; Cuphea, 2-in., \$1.50 per 100; Stock, Alice and Nice, 2-in., \$1.50 per 100; Coleus, 2-in., \$1.50 per 100; Maurandia, 2-in., \$1.50 per 100; Thunbergia, 2-in., \$1.50 per 100; Ageratum, Gurney, 2-in., 1½c; Heliotrope, 2-in., 1½c; Zinnia Fireball, Marigold Eldorado, 2-in. \$1.25 per 100.  
ROOTED CUTTINGS, prepaid: Cuphea, 75c per 100; Coleus, 10 kinds, 60c per 100, \$5.00 per 1000; Alternanthera, red, 50c per 100, \$4.50 per 1000; Ageratum, 3 kinds, 60c per 100; Dbl. Petunias, 10 kinds, \$1.00; Stevia, 75c per 100, \$6.00 per 1000.

Cash with order.

**BYER BROS.,** Chambersburg, Pa.

NEW CASTLE, IND.—The sale of a half interest in the Weiland & Olinger greenhouse plant, comprising 21 greenhouses east of the city, three retail houses near the Union depot and a retail store in Cincinnati, was announced June 5. Peter Weiland, who has had charge of the business, disposed of his interest to his partner, Peter Olinger, of Cincinnati, who is now sole owner. The price was \$30,000, and was paid in cash. Mr. Weiland will not permanently quit the business, but has been troubled with rheumatism and will rest for several months, when he will erect a modern range of 10 houses on his farm of 57 acres west of the city, which he purchased several years ago of Mahlon Harvey. The site is ideal for such an institution, as coal can be unloaded directly into the furnace room from the Big Four, which adjoins the land.

# LOOK! BARGAINS IN Bedding Plants

AT STINGING PRICES  
For Immediate Shipment. Now Ready.

|                                                                                                             | Per 100                       |
|-------------------------------------------------------------------------------------------------------------|-------------------------------|
| Cannas John D. Eisele (best red) 4-in.                                                                      | \$8.00                        |
| Cannas, Richard Wallace (best red canna in existence, rapid grower, a new variety).                         |                               |
| Fuerst Bismarck, Kate Gray, 4-in.                                                                           | 7.00                          |
| English Ivy, 4-in.                                                                                          | 10.00                         |
| Scarlet Sage, Clara Bedman or Bonfire (in bloom), 4-in.                                                     | 7.00                          |
| Ageratum, dwarf, best blue, 4-in.                                                                           | 7.00                          |
| Fuchsias, assorted colors, 4-in.                                                                            | 7.00                          |
| Lantanas, assorted, 4-in.                                                                                   | 7.00                          |
| Echeveria Glauca for borders and large beds, fine strong plants                                             | \$3.00, \$4.00, 5.00          |
| Geraniums, La Favorite, best double white, 4 in. pots, in bloom                                             | 7.00                          |
| Geraniums, other best varieties, such as Beaute Poitevine in bloom                                          | 7.00                          |
| Crimson Rambler Roses, 7-8 in. pots                                                                         |                               |
| 75c. \$1.00 \$1.25 to \$1.50 each                                                                           |                               |
| Rambler Roses, Dorothy Perkins, one of the best Ramblers of the pink variety, pot-grown plants, 5½ to 6 in. | 35c, 40c, 50c                 |
| Nephrolepis (Ferns), Scholzei, small 4-in.                                                                  | 25c                           |
| Scottii, Whitmani, Boston, medium size, 4-in.                                                               | 20c                           |
| Rubbers, 4 in.                                                                                              | 25c                           |
| Primula Obconica, 5-in., blue, in bloom                                                                     |                               |
| 75c. \$1.00 \$1.25 to \$1.50 per doz.                                                                       |                               |
| Dracena Indivisa, 5 to 5½ in. pots                                                                          | 25c each                      |
| Begonia Flambeau, 6 in.                                                                                     | 25c each                      |
| Vinca Variegata or Periwinkle, 2½ in.                                                                       | \$3.00 per 100                |
| Double Petunias, 5 to 5½ in.                                                                                | 15c                           |
| 4 in.                                                                                                       | \$7.00 per 100                |
| Heliotrope, 4-in.                                                                                           | 7c                            |
| Kentia Forsteriana, 6 to 7 in., 40 to 50 in. high and over.                                                 | \$2.00, \$2.50 to \$3.00 each |
| Kentia Forsteriana, 30-35 40-50 in. high.                                                                   |                               |
| 75c. \$1.00 \$1.25 \$1.50 to \$2.00 each                                                                    |                               |
| Kentia Belmoreana, 25-30-35 40 in. high.                                                                    |                               |
| 75c. \$1.00 \$1.25 \$1.50 to \$2.00 each                                                                    |                               |
| Kentia Belmoreana, 3-in.                                                                                    | 10c each                      |
| Ricinus or Castor Oil Plant, 4-in.                                                                          | 15c                           |

## ARAUCARIA EXCELSA.

7,000 arrived from Europe, all grown from top cuttings by our specialist in Araucarias in Belgium. Remember, our 25 years' experience in importing, growing and shipping Araucarias has put us in the foreground with these beautiful plants. Every florist in America knows this well without any further noise. Fill your empty houses now. These plants will grow into money for you while you sleep. You only lose money by waiting. Look and consider our low prices for first-class stock. Our plants are finer this year than ever before.

Plants with 3, 4, 5 and 6 tiers. 12-15-18-20-25 in. high. 35c. 40c. 50c. 60c. 75c to \$1.00 each. Robusta and Glauca, at \$1.00 to \$1.25 each.

## GODFREY ASCHMANN

Wholesale Grower and Importer of Potted Plants. 1012 West Ontario St., PHILADELPHIA, PA.

## Carnations

**F. DORNER & SONS CO.**  
La Fayette, Ind.

## FLORISTS' ASTERS

Field-grown—Separate colors.

CREGO, White, Shell Pink and Rose.  
SEMPLE'S, Purple and Lavender.  
\$2.50 per 1000 by express; 50c per 100 by mail.  
Cash with order.

**A. & G. ROSBACH,** Pemberton, N. J.

## JOSEPH HEACOCK CO.

WYNCOTE, PA.

## Growers of Fine Kentias

Send for Price List.



## In Small Plants

we have the following in 2½ to 3-in. pots, at \$3.00 per 100:

Verbenas, assorted colors.  
Phlox Drummondii, dwarf and grandiflora.  
Cosmos, red, white and pink (assorted or mixed).  
Colcus, Verschaffeltii, Golden Bedder, Queen Victoria (fancy colors, 4c).  
Petunias, Inimitable, Dwarf and Rosy Morn.  
Sweet Alyssum, Carpet of Snow or Little Gem  
Tradescantia, two colors.  
Thunbergia, or Black Eyed Susan.  
Salpiglossis.  
Lobelia, Crystal Palace, blue, dwarf and trailing.  
Centaurea Gymnocarpa (Dusty Miller).  
California Giant Petunia, 3-in., \$5.00 per 100.  
Asters, Victoria, 5 separate colors, 2½ in., 3c.  
Zinnia Elegans, best double dwarf, assorted, 2½ in., \$3.00 per 100.  
Candytuft, white only, \$3.00 per 100.  
Acalypha, 2½ in., \$3.00 per 100.  
English Ivy, 3-in., \$5.00 per 100.  
Nasturtiums, Empress of India and about seven more fine colors, 3 in. pots, \$4.00 per 100; 4 in., in bloom, \$6.00 per 100 (for vases and boxes).  
Tomato Plants, Stone, best known variety, 25c per 100.  
Don't forget that we are the growers and shippers of *Ipomoea Noctiflora*, the pure white Moonvine, with flowers as big as a saucer, very fragrant and the earliest Moonvine in existence, for which we have a world-wide reputation for the past twenty-five years; grows 50 feet and over in one season; over 25,000 are shipped every spring all over America, south, north, west and east. Mexico and Cuba; 2½ in. pots, \$5.00 per 100; 4 in., \$12.00 per 100.

Cash with order, please.

All plants must travel at purchaser's risk.

## Bench Plants

|                 | One-year-old | 1000           |
|-----------------|--------------|----------------|
| American Beauty |              | \$30 00        |
| Richmond        |              | 30 00          |
|                 | 3-Inch pots  | 100 1000       |
| Killarney       |              | \$5.00 \$40 00 |

Owing to changes in our plans we have a few thousand specially prepared Killarneys in 3-inch pots to offer while they last at the above low prices. Write today.

## GEORGE REINBERG

51 Wabash Avenue, CHICAGO.

## SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums  
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

**Wood Brothers,** FISHKILL, New York.

Tell Them Where You Saw the Advertisement.



# FLORISTS' 'MUMS

| EARLY                  | From Pots |         |
|------------------------|-----------|---------|
|                        | 100       | 1000    |
| Clementine Touse,..... | \$ 3 00   | \$25 00 |
| Gloria,.....           | 4 00      | 30 00   |
| Ivory,.....            | 3 00      | 25 00   |
| October Frost,.....    | 3 00      | 25 00   |
| Pacific Supreme,.....  | 3 00      | 25 00   |

| MIDSEASON               | From Pots |         |
|-------------------------|-----------|---------|
|                         | 100       | 1000    |
| A. J. Balfour,.....     | \$ 3 00   | \$25 00 |
| Col. D. Appleton,.....  | 3 00      | 25 00   |
| Crocus,.....            | 3 00      | 25 00   |
| Mrs. W. E. Kelley,..... | 4 00      | 30 00   |
| Major Bonaffon,.....    | 3 00      | 25 00   |
| Pres. Roosevelt,.....   | 4 00      | 35 00   |
| Pres. Taft,.....        | 10 00     |         |

| LATE            | From Pots |         |
|-----------------|-----------|---------|
|                 | 100       | 1000    |
| Intensity,..... | \$ 4 00   | \$30 00 |
| Nagoya,.....    | 4 00      | 30 00   |
| Yanoma,.....    | 3 00      | 25 00   |

Special fine lot of **Anemones, Pompons and Singles.**

From pots; list of varieties on application, or our selection.....\$3.00 per 100 \$25.00 per 1000.

**Elmer D. Smith & Co.,** ADRIAN, MICH.

## Some Good Heleniums.

The heleniums give us many bright flowers, but the color is not confined to the yellow hues of so many of our autumn composites, seeing that we have some with blooms with crimson stripes and markings. For giving quantities of bloom in autumn they are particularly useful, says Gardening Illustrated, and they go well with the starworts either in the garden or cut for the house. All are easily cultivated in a good, rather rich soil, and are propagated by division or, in the case of some, by seeds sown in the open in April, May, or June, and under glass earlier, if need be. A sunny border is the best for these heleniums.

H. autumnale grows about four feet high, and gives quantities of fair-sized, pretty yellow flowers. H. A. superbum is a fine variety. H. Bigelovi grows about four feet high, and bears freely good-sized yellow flowers, whose beauty is heightened by the contrast with the dark-brown color of the central disc. H. Bolanderi is a handsome, dark-centered helenium, with fine, yellow rays. The height is only about two feet. It flowers earlier than the majority, and is welcome for summer bloom.

Although, botanically, only varieties of H. autumnale, the forms introduced as H. grandicephalum are generally listed under the latter name in catalogues, and, consequently, are more conveniently named now. H. grandicephalum striatum is a tall grower, the flowers yellow, striped with crimson. Other forms are the orange-yellow aurantiacum, the dwarf compactum bicolor, of a good yellow, and having a rich crimson center, and cupreum, a fine dwarf variety, with flowers striped with crimson and gold.

In H. Hoopesi we have a pretty helenium, reaching about three feet in height, and coming earlier into bloom than almost any of its allies. It has large, deep yellow flowers of considerable beauty. H. pumilum, one of the best of our late summer and autumn border plants, is about two feet high, and bears yellow flowers, with pretty ray petals and a neat yellow central cone.

# Extra Fine.... Rose Stock Ready to Ship.

|                      | 2½-in.  |         | 3½-in.  |          |
|----------------------|---------|---------|---------|----------|
|                      | 100     | 1000    | 100     | 1000     |
| White Killarney..... | \$ 8.50 | \$75.00 | \$12.00 | \$110.00 |
| Pink ".....          | 6.00    | 54 00   |         |          |
| White " grafted..... | 12.00   | 110.00  | 15.00   | 140.00   |
| Pink ".....          | 10.00   | 90.00   | 13.00   | 120.00   |
| My Maryland,.....    | 12.00   | 110.00  | 15.00   | 140.00   |
| My Maryland,.....    | 6.00    | 55.00   | 8.00    | 75.00    |

|                                                             | 2½-in.  |         | 3½-in.  |         |
|-------------------------------------------------------------|---------|---------|---------|---------|
|                                                             | 100     | 1000    | 100     | 1000    |
| Richmond,.....                                              | \$ 5.00 | \$45 00 | \$ 7.00 | \$65.00 |
| Brides,.....                                                |         | 25.00   |         | 40 00   |
| Cardinal,.....                                              |         |         | 10.00   | 90 00   |
| Kaiserin,.....                                              |         | 30.00   |         | 50.00   |
| Perles,.....                                                | 5.50    | 50.00   |         |         |
| American Beauties, 4-in. 100, 1000, \$12.00; 1000, \$110.00 |         |         |         |         |

# CHRYSANTHEMUMS

Extra Fine Stock of the Following Varieties:

| WHITE.                 | R. C. per |       | 2½-in. per |       |
|------------------------|-----------|-------|------------|-------|
|                        | 100       | 1000  | 100        | 1000  |
| Robinson,.....         | 2.50      | 20.00 | 3.00       | 25.00 |
| Clementine Touse,..... | 2.50      | 20.00 | 3.00       | 25.00 |
| Alice Byron,.....      | 2.50      | 20.00 | 3.00       | 25.00 |
| Timothy Eaton,.....    | 2.50      | 20.00 | 3.00       | 25.00 |
| White Bonaffon,.....   | 2.50      | 20.00 | 3.00       | 25.00 |
| W. H. Chadwick,.....   | 5.00      | 27.00 | 4.00       | 35.00 |

| YELLOW.               | R. C. per |       | 2½-in. per |       |
|-----------------------|-----------|-------|------------|-------|
|                       | 100       | 1000  | 100        | 1000  |
| Golden Glow,.....     | 3.00      | 20.00 | 4.00       | 25.00 |
| Halliday,.....        | 2.50      | 20.00 | 3.00       | 25.00 |
| Col. Appleton,.....   | 2.50      | 20.00 | 3.00       | 25.00 |
| Major Bonaffon,.....  | 2.50      | 20.00 | 3.00       | 25.00 |
| Yellow Eaton,.....    | 2.50      | 20.00 | 3.00       | 25.00 |
| Chautauqua Gold,..... | 2.50      | 20.00 | 3.00       | 25.00 |

| RED.             | R. C. per |       | 2½-in. per |       |
|------------------|-----------|-------|------------|-------|
|                  | 100       | 1000  | 100        | 1000  |
| Schrimpton,..... | 3.00      | 20.00 | 3.00       | 25.00 |
| Intensity,.....  | 2.50      | 20.00 | 3.00       | 25.00 |

| PINK.               | R. C. per |         | 2½-in. per |         |
|---------------------|-----------|---------|------------|---------|
|                     | 100       | 1000    | 100        | 1000    |
| Rosiere,.....       | \$2.50    | \$20.00 | \$3.00     | \$25.00 |
| McNiece,.....       | 2.50      | 20.00   | 3.00       | 25.00   |
| Maud Dean,.....     | 2.50      | 20.00   | 3.00       | 25.00   |
| Dr. Enguehard,..... | 2.50      | 20.00   | 3.00       | 25.00   |

## POMPONS.

| YELLOW.                       | R. C. per 100 |  |
|-------------------------------|---------------|--|
| Baby, Klondyke, Zenobia,..... | \$2.50        |  |

| WHITE.              | R. C. per 100 |  |
|---------------------|---------------|--|
| Lulu, Diana,.....   | 2.50          |  |
| Baby Margaret,..... | 4.00          |  |

|                        |      |
|------------------------|------|
| Brila, pink,.....      | 2.50 |
| Mrs. Beu, bronze,..... | 2.50 |
| Quinola,.....          | 3.00 |

## POEHLMANN BROS. CO., Morton Grove, Ill.

Mention the American Florist when writing

# Special Offer of Cannas

|                                                   |                                 |
|---------------------------------------------------|---------------------------------|
| Burbank, Yellow, green leaved.....                | Strong plants from 2½-in. pots. |
| Chas. Henderson, Red, green leaved.....           |                                 |
| Egandale, Red, red leaved.....                    |                                 |
| Florence Vaughan, Yellow, green leaved.....       |                                 |
| Louisiana, Red, green leaved.....                 | Dozen.....\$0.70                |
| Leonard Vaughan, Red, bronzed leaved.....         | Per 100.....4.00                |
| Mme. Crozy, Red, green leaved.....                |                                 |
| Souv. d' A. Crozy, brighter than Mme. Crozy,..... |                                 |
| King Humbert, Red, bronze leaved.....             | Strong plants from 2½-in. pots  |
| New York, Red, bronze leaved.....                 |                                 |

Doz. \$1.25 Per 100 \$8.00.

VAUGHAN'S SEED STORE,

Chicago and New York.

Mention the American Florist when writing

# Geraniums

**Rooted Cuttings.** Ricard, Poitevine and S. A. Nutt, at \$10.00 per 1000. Delivery made any time wanted. Let me book your order, or send for sample and see the class of stock I send out.

## HARDY PHLOX

Rooted cuttings, free by mail, at \$1.25 per 100. Mixed varieties, all of them good ones.

## Smilax and Sprengeri

Good stock. Let me send you a sample.  
Smilax.....\$12.50 per 1000  
Sprengeri.....15.00 per 1000

ALBERT M. HERR, Lancaster, Pa.

# PALMS, FERNS AND Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St. BROOKLYN, N. Y.

# A New Fern NEPHROLEPIS GIATRASI

Awarded a Certificate of Merit by the Horticultural Society of New York.

Prices: In 2½-inch pots, \$3.50 per dozen; \$25.00 per 100; \$200.00 per 1000. 25 plants at 100 rates; 500 plants at 1000 rates. Orders delivered in rotation as received. Now Ready for delivery,

GEORGE GIATRAS, 463 Summit Ave., West Hoboken, N. J.

# Ferns for Dishes...

Assorted varieties, 2½-in. pots, \$3.50 per 100; \$30.00 per 1000. Cash with order.

FRANK OECHSLIN 4911 Quincy St. CHICAGO.



# Financial Success

You are looking for it. When you send an order, ask for a little book we will send you **free** entitled **"Laws on Financial Success."**

**The Following Stock Can Be Depended on to Give Satisfaction. Send Order Today.**

## Cannas

From 4-in. pots at \$8.00 per 100, except where noted.

Alsace, green leaf, creamy white flower.  
Wyoming, dark red leaf.  
King of Giants, orange flower.  
Kronis, green leaf.  
Egandale, bronze leaf, scarlet flower.  
Beaute de Poitevine, green leaf, red flowers.  
Dorothy Perkins, red leaf.  
King Humbert, bronze leaf, scarlet flower; price, \$10.00 per 100.

## Hardy Roses

The following is a list of Hardy Roses in pots we have in stock at \$3.00 per dozen:

Captain Hayward, bright red, 5-in.  
Gen. Jacqueminot, red, 5-in.  
Persian Yellow, 5-in.  
Crested Moss, pink, 5-in.  
Magna Charta, pink, 5-in.  
Mme. Plantier, white, 5-in.  
Ulrich Brunner, cherry red, 5-in.  
White Baby Rambler, 5 in.  
Blanche Moreau, white.  
Red Moss.  
Crimson Rambler, 5-in.

Pink Rambler, 4-in. .... \$2 00 per doz.

## Standard Roses

|                                    | Each  |
|------------------------------------|-------|
| Baby Rambler, red, 5 to 7 ft. .... | \$ 75 |
| white, 3 to 4 ft. ....             | 75    |
| Captain Hayward 5 ft. ....         | 1 00  |
| Magna Charta, 5 ft. ....           | 1 00  |
| Canary Bird, 3½ ft. ....           | 75    |

## Marguerite

4-in. pots ..... \$8 00 per 100

## Cobea Scandens

4-in. pots ..... \$8 00 per 100

## Caladium Esculentum

6-in. pots ..... \$2 00 per doz.

## Dracena Indivisa

3 in. pots.....\$0 75  
4-in. pots.....1 50

## Dracena Fragrans

We have an exceptionally fine lot of these plants, which are sure to give satisfaction.

|                                    | Each   | Doz. |
|------------------------------------|--------|------|
| 4-in. pots.....                    | \$2 50 |      |
| 5-in. pots, 10 to 12-in. high..... | \$0 35 | 4 00 |
| 6 in. pots, 12 to 14-in. high..... | 50     | 5 00 |

## Pandanus Veitchii

|           | Each   | Doz.    |
|-----------|--------|---------|
| 7-in..... | \$2 00 | \$24 00 |

## Pandanus Utilis

|                                    | Each   | Doz.   |
|------------------------------------|--------|--------|
| 6-in. pots, 18 to 20-in. high..... | \$0 75 | \$9 00 |

## Phoenix Canariensis

|                                    | Each    |
|------------------------------------|---------|
| 30 to 36 in. high, 8 in tub.....   | \$ 2 50 |
| 48 in. high 9 in. tub.....         | 4 00    |
| 72 to 78 in. high, 17-in. tub..... | 35 00   |

## Latania Borbonica

| Pot   | Leaves | Height       | Each | Doz.   | 100     |
|-------|--------|--------------|------|--------|---------|
| 4-in. | 4 to 5 | 12 to 15-in. | 25c  | \$3 00 | \$25 00 |
| 5-in. | 5 to 6 | 15-in.       | 40c  | 4 50   | 35 00   |
| 6-in. | 6 to 7 | 18 in.       | 50c  | 6 00   | 50 00   |
| 7 in. | 7 to 8 | 20 to 24-in. | 75c  | 9 00   |         |

## Kentia Belmoreana

Never before have we had such a fine lot of Kentias as quoted in the following sizes. A sample order will certainly satisfy you as to the value of this stock.

| Pot    | Height       | Leaves | Each | Doz.   | 100     |
|--------|--------------|--------|------|--------|---------|
| 2½-in. | 8 to 10-in.  |        |      | \$1 50 | \$10 00 |
| 3 -in. | 12-in.       |        |      | 2 00   | 15 00   |
| 4 -in. | 14 to 16 in. | 4 to 5 | 50   | 4 50   | 35 00   |
| 6 -in. |              |        | 1 50 |        |         |
| 7 -in. |              |        | 1 75 |        |         |
| 8 -in. | 34 to 36-in. | 6 to 7 | 4 00 |        |         |
| 9 -in. | 36 to 42-in. |        | 6 00 |        |         |

Send for Complete Price List.

## Kentia Forsteriana

| Pot   | Height       | Leaves | Doz.   |
|-------|--------------|--------|--------|
| 2-in. | 6 to 7-in.   | 3 to 4 | \$1 50 |
| 3-in. | 10 to 15 in. | 4 to 5 | 2 00   |
| 4-in. | 16 to 18-in. | 5 to 6 | 4 50   |

Each

|       |              |        |        |
|-------|--------------|--------|--------|
| 5 in. | 24 to 28-in. | 5 to 6 | \$0 75 |
| 6-in. | 28 to 30-in. | 5 to 6 | 1 00   |
| 7 in. | 42 to 44 in. | 6 to 7 | 3 50   |
| 8-in. | 48 to 54 in. | 6 to 7 | 5 00   |
| 9 in. | 60 to 62-in. | 6 to 7 | 7 00   |

## Made-up Plants

| Tubs   | Height       | Plants in tub | Each   |
|--------|--------------|---------------|--------|
| 8-in.  | 42 to 46-in. | 4             | \$5 00 |
| 9-in.  | 48 to 50-in. | 4             | 6 00   |
| 10-in. | 54 to 60-in. | 4             | 10 00  |

## Areca Lutescens

### Made up Plants

| Pot   | Leaves   | Height       | Each   |
|-------|----------|--------------|--------|
| 3-in. | 10 to 12 | 10 to 12 in. | \$0 20 |
| 4-in. | 12 to 15 | 16 to 18-in. | 25     |
| 6-in. |          |              | 1 00   |
| 7-in. |          |              | 2 50   |
| 8-in. | 12 to 20 | 30 to 36-in. | 3 50   |

## Boston Fern Baskets

Just the thing for Porch Decoration.

12-in.....\$1 50 each

## Nephrolepis Bostonienis

| Pot       | Doz.    | 100     |
|-----------|---------|---------|
| 3 in..... | \$ 1 00 | \$ 8 00 |
| 4-in..... | 1 50    | 12 00   |
| 5-in..... | 3 00    | 25 00   |
| 6-in..... | 6 00    | 45 00   |
| 7-in..... | 9 00    | 70 00   |
| 8-in..... | 12 00   | 90 00   |
| 9-in..... | 15 00   |         |

Larger sizes at \$1.50, \$2.00, \$2.50 each and upwards.

## Nephrolepis Whitmani

8-in. pots.....\$1 50 each

Beautiful specimens.

When ordering ask for book on **FINANCIAL SUCCESS.**

We send it free if a request accompanies your order.

**GEO. WITTBOLD CO., 737-739 Buckingham Place, Chicago**

## Cleveland.

June, the month of roses and weddings, is having enough of both. Roses of all kinds are abundant and the call for long-stemmed stock for bridal bouquets bears out our other statement. The call for orchids is also good, Cattleya Mossiae being the best seller. Long-stemmed American Beauties are selling well and the quality was never better. Local peonies are coming in and are of excellent quality; large flowers and long stems, they make about the best show for the money anyone can buy. Lily of the valley has moved very slowly this week, somewhat against expectations. Sweet peas have been scarce, but several growers will soon be in with a good supply of long-stemmed ones. Easter lilies have not moved very quickly, although the supply is abundant. Greens of all kinds are

more plentiful. Carnations are almost too plentiful, there being more on the market than can be used up in regular business, and large quantities go to the street fakir at ridiculously low prices. Roses of all kinds are meeting with a good demand, the flowers being in good shape for this time of the year owing to the cool weather we have been having.

Alfred Tilton, of Tilton & Son, died at the age of 76 at his residence, 3329 Walton avenue, and was buried Saturday at Riverside cemetery. He has been for many years associated with the seed business in this city.

This vicinity was visited by a severe hailstorm Monday afternoon, lasting about half an hour. The hail, however, was not heavy enough to do any damage to glass.

A. M. Albrecht, Prospect avenue, is the first florist here to give trading

## ROSES Bench Plants

Killarney, Richmond and Ivory....5c  
Killarney, 4-in., strong plants.....7c

J. F. AMMANN,                      Edwardsville, Ill.

stamps with every purchase, an ad. to that effect appearing in a local paper recently.

H. Piggott, who formerly conducted a retail store in the Taylor arcade, has taken H. Thrum's place on Cedar avenue, where he will do a general retail business in cut flowers and plants.

F. Riley, who was with the Smith & Feters Co. several years ago, is now with Kirchner's on Quincy. Mr. Riley has been in the east for some time.

C. B.



# Orchids

Arrived This Week

## CATTLEYAS

Trianae, Labiata, Schroederiae,  
Mossiae, Gaskelliana, Mendelii.

## DENDROBIUMS

Cambridgeanum, Chrysotoxum,  
Crassinode, Jamesianum,  
Devonianum.

Renanthera Imschootiana

Vanda Coerulea

Laelia anceps, Laelia albida,  
Oncidium Cavendishianum,  
Oncidium ornithynchum.

**G. L. FREEMAN CO.**

FALL RIVER, MASS.

# CHRYSANTHEMUMS

Good transplanted cuttings, ready for benching.  
Opah, Oct. Frost, Glory Pacific, Monrovia,  
Touset Ivory, P. Ivory, White Bonaffon, Clay  
Frick, J. Nomin.

\$1.25 per 100; \$10.00 per 1000.

**D. H. GREEN,** West Grove, Pa.

Providence.

A large list in the mortality space and a steady transient trade have kept the business a little above the average for this season of the year during the past week. Roses are coming in in great quantity and of a very good quality, owing to the extremely cool weather for this season of the year. In fact, first-class roses are a glut at the present time and can be had at the buyers' price in large quantities. Carnations are on the decline with some of the growers, but there is still enough of first-class quality to supply all demands at summer prices. Sweet peas are coming in in great abundance, of first-class quality and selling well. Lily of the valley is moving steady owing to so many weddings and social functions, and the same may be said of gardenias and orchids. The demand for bedding plants is very good for so late in the season and most of the growers are sold out of this stock.

### NOTES.

Burke & Burns is the style of the new concern that has bought out Wm. Hay's place on Dyer avenue. Mr. Burke had been employed on this place for the past 16 years.

John S. Kelly, formerly of J. F. Ward, received a notice during the past week that he has just fallen heir to a legacy, through the death of an uncle, of \$10,000.

A. W. Smith of Johnston lost 40,000 tomato plants and an acre of grape vines by the severe frost we had in this vicinity on June 5.

Bert West, foreman for Thos. Curren, resigned his position during the past week and is now employed by Wm. Hay.

# Nephrolepis...

**Bostoniensis**

6-in. at 50c each.

**Elegantissima Improved**

Fine plants, 2½-in. pots, \$10.00 per 100; 4-in. 25c each; 6-in. 50c each; 8-in. \$1.00 each.

**Superbissima**

Extra heavy plants, 4-in. pots, 25c each; 6-in. 50c each; 8-in. \$1.00 each.

## BEDDING STOCK.

|                                                                                                                                                          | Per 100 |                                                                                            | Per 100 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------------------------------------------------------------------------------------|---------|
| <b>Abutilon Savitzl</b> , 2½ in. pots.....                                                                                                               | \$4 00  | <b>Geraniums</b> , double assorted and rose 3½ in. pots.....                               | 8 00    |
| <b>Acalypha Muscica</b> , 2½ in. pots.....                                                                                                               | 6 00    | <b>Geraniums</b> , Mme. Sallerol, 2½-in. pots.....                                         | 5 00    |
| <b>Ageratum</b> , three sorts, 2½ in. pots.....                                                                                                          | 3 00    | <b>Heliotrope</b> , 2½ in. pots.....                                                       | 3 00    |
| <b>Alyssum</b> , 2½ in. pots.....                                                                                                                        | 3 00    | <b>Moonflower</b> , 2½ in. pots.....                                                       | 4 00    |
| <b>Aster</b> assorted, 2½ in. pots.....                                                                                                                  | 3 00    | <b>Nasturtiums</b> , assorted, fine, 3-in. pots.....                                       | 4 00    |
| <b>Cannas</b> , finest sorts—Beaute de Poitevine Buttercup, Souv. d'Antoine Crozy Pierson's Premier and Florence Vaughan—strong plants, 3½ in. pots..... | 6 00    | <b>Petunias</b> , 2½ in. pots.....                                                         | 4 00    |
| <b>Cobea scandens</b> , 2½ in. pots.....                                                                                                                 | 4 00    | <b>Salvia splendens</b> , 2½ in. pots.....                                                 | 3 00    |
| <b>Coleus</b> , Golden Bedder Verschaffeltii and assorted 2½ in. pots.....                                                                               | 3 00    | <b>Vinca Variegata</b> , 3½ in. pots.....                                                  | 8 00    |
| <b>Crotons</b> , assorted, 3½ in. pots.....                                                                                                              | 25 00   | <b>Hydrangea Otaksa</b> , 4 in. pots, in bud and bloom, one bloom per plant per dozen..... | \$1 50  |
|                                                                                                                                                          |         | <b>Egg Plants</b> , New York Improved.....                                                 | 4 00    |

**F. R. PIERSON CO.,**

Tarrytown-on-Hudson, N. Y.

I Am Disposing of the Florham Farms Collection of

# ORCHIDS

and can quote established plants of **Cattleya Trianae**, **Schroederiae**, **Labiata**, in 5 to 8 in. pots, at \$2.00 per plant.

**Cypripedium Leeannum**, in pans, from 5 to 8 in., 50c to \$3.00 each.

**CHARLES H. TOTTY,** Madison, N. J.

## Orchids



Arrived: **Cattleya Trianae**, C. Gaskelliana, **Oncidium varicosum**, O. crispum, O. Forbesi, O. Harrisonianum, **Miltonia cuneata**, **Odontoglossum grande**; **Laelias purpurata**, **grandis tenebrosa** and **flava**.

**Lager & Hurrell Summit, N. J.**

## ORCHIDS...

Largest Importers, Exporters, Growers, and Hybridists in the World.

**SANDER,** St. Albans, Eng.

NEW YORK OFFICE: Room 1, 235 Broadway. T. MELLSTROM, Agent.

The Rhode Island Horticultural Society will hold its exhibition of roses and strawberries June 23-24 in the Masonic hall.

Martin Reukauf, of H. Bayersdorfer & Co., Philadelphia, was in town during the past week.

William Hay will open his new flower market at 21 Clemence street the coming week.

Wm. Cohen, formerly with Joseph Kolpman, is now employed by Johnston Bros.

Joseph Leikens has opened his store on Bellview avenue, Newport, for the season.

John Green has closed his store at the corner of Cranston and Bridgham. J. BRINTON.

## Orchids..

We have changed our domicile from Secaucus, N. J., to Mamaroneck, N. Y. We are largest collectors and importers of Orchids and are now booking orders for all the commercial Cattleyas for delivery next spring.

**CARRILLO & BALDWIN, Mamaroneck, N. Y.**

## Robert Craig Co..

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

DO YOU GROW 'MUMS?

## White Helen Frick

The Best and Only Late White. Fine stock from 2½-inch pots, \$8.00 per 100, \$75.00 per 1000.

**HENRY EICHHOLZ,** Waynesboro, Pa.

## Asparagus Plumosus

Strong 2-in. pots, \$2.25 per 100, \$20.00 per 1000.

## ROSES

Brides, Maids and Richmonds. Clean, extra strong, 2½-in., \$3.00 per 100 or will exchange for White Killarney at market rates.

**W. W. COLES,** Kokomo, Ind.



## TRADE LIST

**Clematis**, *paniculata*, strong plants, \$10.00 per 100; 3-in. pots, \$5.00 per 100.

**Passiflora** *coerulea*, 3-in. pots \$5.00 per 100.

**Rose Geraniums**, 3-in. pots, \$1.00 per 100

**Honeysuckle**, *Woodbine*, 4-in. pots, \$1.50 per doz.

Plants from 2½-in. pots, \$3.00 per 100;  
**Achyranthes**, *Parlor Ivy*, *Ageratum*, blue;  
**Coleus**, *Verschaffeltii* *Queen Victoria* Quadricolor; **Golden Feather**; *Impatiens* *Holstii*;  
**Swainsona** *alba*; *Alternantheras*, 4 varieties;  
**Chrysanthemums**, *White Cloud*, *Pacific Supreme*, *Golden Glow*, *Salvia*, *Bonfire*

**Asparagus Sprengeri**, 2-in. pots, \$2.00 per 100; 2½ in. pots, \$3.00 per 100.

**Ivy**, *Hardy English*, 4-in. pots, \$1.00 per doz.; 3-in. pots, \$4.00 per 100.

**Salvia**, *Bonfire* 3-in. pots, \$4.00 per 100.

**Moonvine**, white, 3-in. pots, \$5.00 per 100.

**Ampelopsis Veitchii**, 4-in. pots, \$10.00 per 100; 3-in. pots \$5.00 per 100.

**Clematis vitalba**, strong transplanted seedlings, \$1.00 per 100, \$8.00 per 1000. This is one of the fastest growing vines, covered with long sprays of sweet scented white flowers the whole summer.

**C. EISELE,**

11th and Westmoreland Sts. Philadelphia, Pa

## ARAUCARIA EXCELSA.



A Fine Lot Just Received.

Height 8-10-ins.,  
2-3 whorls, each,  
60c; doz., \$5.50.

Height 12-ins., 3-  
4 whorls, each; 75c;  
doz., \$8.00.

**Vaughan's Seed Store**

CHICAGO.  
NEW YORK.

### Smooth Sumach.

RHUS GLABRA.

This is quite as handsome a shrub as the staghorn and is preferable for ornamental planting. It does not grow quite so large and has a more spreading irregular habit. It occurs only rarely in northern Vermont but is common in the Hoosac and southern Connecticut valleys. A cut-leaved form of this species is also found in the trade. The leaves were formerly used for tanning, and the berries, because of their acidity, were employed as a substitute for lemon juice in various domestic practices and in the preparation of home remedies. The berries are used in dyeing, an infusion being said to furnish an unequalled black dye for wool. There is also a dwarf sumach (*Rhus copallina*) which is of value in ornamental planting. It thrives in light sandy soils.

### Growth of Trees.

Considerable uncertainty exists as to the time necessary to grow merchantable timber, but only upon an exact knowledge of such things can a satisfactory policy of forest management be based. According to a writer in *Forest Leaves* the time required for various kinds of trees to reach a diameter of 12 inches is as follows: pin oak 40 years, black oak 50 years, red oak 58, white oak 100, sweet gum 62, walnut 56, tulip tree 50, black locust 45, ash 72, hickory 90, catalpa 20, Carolina poplar 12. Of

## Chrysanthemums

Fine young stock from 2½-inch pots Immediate Shipment.

| WHITE                | Per 100 | PINK                | Per 100 | YELLOW                 | Per 100 |
|----------------------|---------|---------------------|---------|------------------------|---------|
| C. Touset, .....     | \$3 00  | Rosiere, .....      | \$3 00  | Golden Glow, .....     | \$4 00  |
| Oct. Frost, .....    | 3 00    | Mayor Weaver, ..... | 3 00    | Monrovia, .....        | 3 00    |
| Alice Byron, .....   | 3 00    | Enguehard, .....    | 3 00    | Yellow Touset, .....   | 4 00    |
| Chadwick, .....      | 4 00    | Rosette, .....      | 4 00    | Yellow Chadwick, ..... | 4 00    |
| H. W. Buckbee, ..... | 3 00    | Pink Ivory, .....   | 3 00    |                        |         |
| Ivory, .....         | 3 00    |                     |         |                        |         |

Special prices quoted on a quantity.

## ROSES ---STRONG YOUNG 3½-in. STOCK

|                       | 100    | 1000    |                      | 100    | 1000    |
|-----------------------|--------|---------|----------------------|--------|---------|
| Maryland, 3½ in ..... | \$6 00 | \$55 00 | Maid, 3½ in .....    | \$4 00 | \$35 00 |
| Richmond, 3½ in ..... | 5 00   | 45 00   | Bride, 3½ in .....   | 4 00   | 35 00   |
| Jardine, 3½ in .....  | 5 00   | 45 00   | Jardine, 2½ in ..... | 4 00   | 35 00   |

## J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and  
Carnations  
A Specialty.....

WHOLESALE  
GROWER of

CUT FLOWERS



## CALLA LILY BULBS

Prices quoted for July delivery.

## Narcissus Bulbs

Write for wholesale price list.

Planting stock of

**America Gladiolus Bulblets**

at \$3.50 per 1000, postpaid.

**LEEDHAM BULB CO.,** Santa Cruz, California.

## A FEW GOOD THINGS YOU WANT.

**Rex Begonia**, 2-in. \$5.00 per 100.  
**Geraniums**, *Nutt. Perkins*, *Grant*, *La Favorite*,  
R. C., \$1.25; 2-in. pots, \$2.00; 3-in., \$4.00 per 100;  
*Viaud*, *Castellane*, *Poitervine* *Jaulin*,  
*Ricard*, *Buchner*, R. C., \$1.50; 2-in. pots, \$2.50;  
3-in., \$5.00 per 100.  
**Asparagus Plumosus**, 2-in., \$3.00 per 100; 3-in.,  
\$5.00 per 100. Cut fronds 25c per bunch.  
**Boston Ferns**, 5-in 25c each, **Whitman Ferns**,  
4-in. 25c each.  
**Vinca Var.**, 2-in. \$2.00 per 100.  
**Roses**, *Bride* *Maid* and *Gates*, 3-in., \$5.00 per 100.  
**Dracena Ind.**, 3-in., \$5.00; 4-in., \$10.00 per 100.  
**Coleus** and *Alternanthera*, red and yellow; *Verbenas*, *Heliotrope*, *Cigar Plant*, *Scarlet Sage*,  
*Zurich*, always in bloom, 2-in., \$2.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order

**GEO. M. EMMANS,** Newton, N. J.  
Mention the American Florist when writing

course the character of the soil, water supply and location have much to do with the slow or rapid growth of trees, but these figures seem fair averages. As to the time required for greater diameters the same writer gives records of actual counts for various trees, some of which are added here: Hackberry 25 inches, 115 years; elm 27 inches, 120 years; sugar maple 38 inches, 155 years; sycamore 57 inches, 260 years; tulip tree 57 inches, 225 years; sour gum 25 inches, 141 years; beech 36 inches, 165 years; black willow 18 inches, 50 years.

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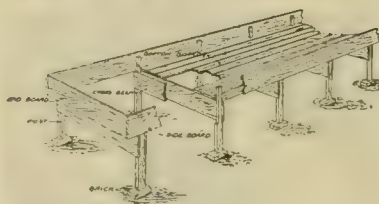
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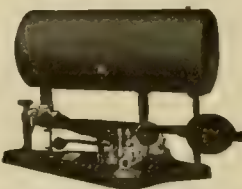
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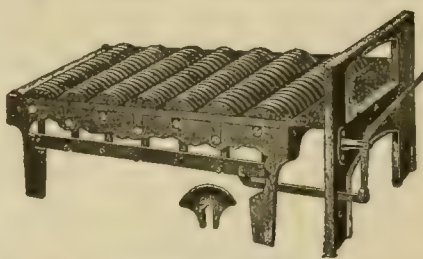
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Bulbs, calla lily and narcissus. America gladiolus bulbets, \$3.50 per 1,000. Leedham Bulb Co., Santa Cruz, Calif.

Bulbs, freesias, Bermuda white, ½ to ¾ ins., \$9 per 1,000; ¾ to 1 in., \$7.50. Vaughan's Seed Store, Chicago and New York.

Bulbs, French, hyacinths, narcissus, freesia. Soleillet, Horticulture, Toulon, France.

Bulbs, all florists' varieties. H. E. Fiske Seed Co., Faneuil Hall Square, Boston.

Bulbs, Japanese. The Nippon Engel Kaisha, Ltd., Ikeda, Settsu, Japan.

Bulbs, Callas. Berrydale Exp. Gardens, Holland, Mich.

## CANNAS.

Cannas, 4-in., 5c each; King Humbert, Egandale, Empress, Wyoming, Black Beauty, Mlle. Berat, Austria, D. Harum, Beate Poitevine, Discolor, Chicago, Shenandoah, Souv. de A. Crozy, Allemania, L. Patry, Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

CANNAS, pot plants, extra fine, M. Berat, Sec'y Chabanne, Cinnabar, Paul Marquant, \$3.50 per 100; Pres. Cleveland, Chas. Henderson, Mrs. Kate Gray, Mrs. Geo. Strohllein, \$4.50 per 100; David Harum, Cherokee, Rubin, \$5 per 100. Wagner Park Conservatories, Sidney, O.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It



Cannas, Burbank, Henderson, Egandale, F. Vaughan, Louisiana, L. Vaughan, Mme. Crozy, Souv. d'A. Crozy, 2½-in., 70c per doz.; \$4 per 100. King Humbert, New York, 2½-in., \$1.25 per doz.; \$8 per 100. Vaughan's Seed Store, Chicago and New York.

## CACTI.

Cacti. Over 100 varieties of cacti, from \$7 per 100 up. Write for 28-page catalogue, and prices to the trade. Also Mexican Resurrection plants. The Francis E. Lester Company, Dept. 6, Mesilla Park, N. M.

## CARNATIONS.

Carnation Scarlet Glow, 2-in., \$12 per 100; \$100 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, Conquest, Sangamo, Mary Tolman, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., Joliet, Ill.

Carnations. Wood Bros., Fishkill, N. Y.

## CHRYSANTHEMUMS.

### CHRYSANTHEMUMS.

Extra fine stock of the following varieties:

| WHITE.          | R. C. per 100 | 2½-in. per 1,000 |
|-----------------|---------------|------------------|
| Robinson        | \$2.50        | \$20.00          |
| Clementine      | 2.50          | 20.00            |
| Alice Byron     | 2.50          | 20.00            |
| Timothy Eaton   | 2.50          | 20.00            |
| White Bonnafton | 2.50          | 20.00            |
| W. H. Chadwick  | 3.00          | 27.00            |

### YELLOW.

|                 |      |       |
|-----------------|------|-------|
| Golden Glow     | 3.00 | 4.00  |
| Halliday        | 2.50 | 20.00 |
| Col. Appleton   | 2.50 | 20.00 |
| Major Bonnafton | 2.50 | 20.00 |
| Yellow Eaton    | 2.50 | 20.00 |
| Chautauqua Gold | 2.50 | 20.00 |

### RED.

|            |      |       |
|------------|------|-------|
| Schrimpton | 3.00 | 20.00 |
| Intensity  | 2.50 | 20.00 |

### PINK.

|               |      |       |
|---------------|------|-------|
| Roslere       | 2.50 | 20.00 |
| McNiece       | 2.50 | 20.00 |
| Maud Dean     | 2.50 | 20.00 |
| Dr. Enguehard | 2.50 | 20.00 |

### POMPONS.

| YELLOW                  | R. C. Per 100 |
|-------------------------|---------------|
| Baby, Klondyke, Zenobia | \$2.50        |

### WHITE.

|                  |      |
|------------------|------|
| Lulu, Diana      | 2.50 |
| Baby Margaret    | 4.00 |
| Briola, pink     | 2.50 |
| Mrs. Beu, bronze | 2.50 |
| Quinola          | 3.00 |

### SPECIAL OFFER—BIG BARGAIN.

This is the time to plant Oct. Frost and Monrovia.

|                            |                   |
|----------------------------|-------------------|
| Monrovia, 2½-in.           | \$20.00 per 1,000 |
| Oct. Frost, 2½-in.         | 20.00 per 1,000   |
| Merry Christmas, 2½-in.    | 20.00 per 1,000   |
| Roosevelt, 2½-in.          | 25.00 per 1,000   |
| Virginia Poehlmann, 2½-in. | 30.00 per 1,000   |

POEHLMANN BROS. CO., Morton Grove, Ill.

## CHRYSANTHEMUMS, R. C. Ready Now.

| White.                   | Per 100 | Pink.          | Per 100 |
|--------------------------|---------|----------------|---------|
| Oct. Frost               | \$2.00  | Pink Ivory     | \$2.00  |
| Estelle                  | 2.00    | Roslere        | 2.00    |
| W. Bonnafton             | 2.00    | Dr. Enguehard  | 2.00    |
| Polly Rose               | 2.00    | Yellow         | Per 100 |
| Robinson                 | 2.00    | M. Bonnafton   | \$2.00  |
| W. Chadwick              | 3.00    | Monrovia       | 2.00    |
| Merry Xmas               | 2.00    | Robt. Halliday | 2.50    |
| Yanoma                   | 2.00    | Golden Beauty  | 2.50    |
| Mrs. Buckbee             | 2.50    | Golden Glow    | 3.00    |
| Snow Queen               | 2.50    | Red            | Per 100 |
| White Ivory              | 2.00    | Intensity      | \$2.00  |
| C. Touse                 | 2.00    | Black Hawk     | 2.00    |
| Chas R. Halliday, 2½-in. |         |                | 4.00    |

### POMPONS, 2½-in.

|               |      |
|---------------|------|
| Baby Margaret | 4.00 |
| Baby          | 4.00 |

### WIETOR BROS.,

51 Wabash Ave. Chicago.

Chrysanthemums, rooted cuttings. White—Baby Margaret, Touse, Estelle, A. Byron, Timothy Eaton, J. Nonin, Ivory, Desjouis, Pink—Amorita (very early), Glory of the Pacific, M. Dean, Mary Mann, Rosette, J. Ivory, Yellow—Golden Glory (very early), M. Bonnafton, Y. Eaton, Crema, Robt. Halliday, Golden Eagle, Yellow Jones, Golden Baby. Send for price list. Wm. Swayne, P. O. Box 215, Kennett Square, Pa.

THE BIG LEADERS. Pres. Taft (glistering curly white); Gloria (the Enchantress); Mrs. W. E. Kelley (yellow); also the Xmas dollar makers, J. Rosette and Golden Chadwick, plants, \$4; R. C., \$3. Frost, Early Snow, Touse, B. May, Nonin, Shaw, Enguehard, plants, \$2.50; R. C., \$1.50. Prime stock, guaranteed. Cash only. The Union City Greenhouses, Union City, Pa.

Chrysanthemum novelties. Charles H. Totty, Madison, N. J.

Chrysanthemums, Oct. Frost, Kalb, Touse, Byron, Wanamaker, W. Cloud, Monrovia, Oct. Sunshine, Appleton, Halliday, Bonnafton, \$2 per 100; \$15 per 1,000. T. Eaton, Y. Eaton, \$2.50 per 100; \$20 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Chrysanthemums, Opah, Oct. Frost, G. Pacific, Monrovia, Touse, Ivory, P. Ivory, W. Bonnafton, C. Frick, J. Nonin, \$1.25 per 100; \$10 1,000. D. H. Green, West Grove, Pa.

Chrysanthemums, 2½-in. For varieties and prices, see advertisement elsewhere in this issue. J. A. Budlong, 37 Randolph St., Chicago.

White Helen Frick, 2½-in., \$8 per 100; \$75 per 1,000. Henry Eichholz, Waynesboro, Pa.

Chrysanthemums, Dolly Dimple, Patty, Merry Jane, \$1.50 per doz.; \$10 per 100. F. Dorner & Sons Co., La Fayette, Ind.

Chrysanthemums. We have 75 varieties, including singles and pompoms, \$15 per 1,000. "Enough Sed." Ehnmann's, Corfu, N. Y.

Chrysanthemums. For varieties and prices see advertisement on page 1022. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

## CLEMATIS.

Clematis paniculata, \$10 per 100; 3-in., \$5. C. Elsie, 11th and Westmoreland Sts., Philadelphia.

Clematis paniculata, field-grown, 1-yr., 5c; 2-yr., 8c. Dingee & Conard Co., W. Grove, Pa.

## COLEUSES.

Coleus, 2½-in., \$2 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Coleus, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Coleus, 10 var., 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus from sand, \$6 per 1,000. E. G. Hill Co., Richmond, Ind.

## CYCLAMENS.

Cyclamen, from 2-in. pots, Stoldt's unrivalled strain, 5 separate colors or mixed. 4c. Snow Queen, the finest fringed white. 6c. J. L. Schiller, Toledo, O.

Cyclamens, finest stock, in separate colors, 3½-in. pots, \$10 per 100. Julius Roehrs Co., Rutherford, N. J.

## DAHLIAS.

Dahlia Earl of Pembroke, \$4 per 100; field-grown, undivided roots. Order today. Wagner Park Conservatories, Sidney, O.

Dahlias, Pape & Bergman, Quedlinburg, Germany.

## DRACENAS.

Dracena indivisa, 1-year, strong, bench grown, transplanted in Sept., \$1.50 per 100; \$12 per 1,000. Cash. E. Fryer, Johnstown, Pa.

Dracena fragrans, 5-in., 35c each; \$4 per doz.; 6-in., 50c each; \$6 per doz. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Dracena indivisa, 4-in., \$10 per 100. C. Elsie, 11th and Westmoreland St., Philadelphia.

Dracena indivisa, 3-in., \$5; 4-in., \$10 per 100. Geo. M. Emmans, Newton, N. J.

Dracenas. Bobbink & Atkins, Rutherford, N. J.

## FERNS.

Over million and a half of Fern Seedlings. Strong, healthy stock now ready for potting. Assortment of 15 best varieties for fern dish filling, my selection, \$1 per 100; \$9.50 per 1,000; \$8.50 per 1,000 in 25,000 and \$3 per 1,000 in 50,000 lots. Small orders of 100 and 200 can be sent by mail if desired and postage of 10c per 100 is remitted. Satisfaction and safe arrival guaranteed or money refunded. Cibotium Schiedei, 2-in., \$3.25 per doz.; \$25 per 100; \$240 per 1,000; 5-in., \$1 and 6-in., \$1.75 each. Adiantum Cuneatum, best maidenhair fern for cut fronds, 2½-in., \$3.50 per 100; \$30 per 1,000. Adiantum Farleyense, 2-in., \$1.30 per doz.; \$10 per 100. Assorted ferns for fern dishes, 2½-in., \$3 per 100; \$25 per 1,000. J. F. ANDERSON, Fern Specialist, Short Hills, N. J.

Ferns, Boston, 12-in., \$5 to \$7.50 each; 6-in., 50c. Elegantissima Improved, 3½-in., \$10 per 100; 4-in., 25c each; 6-in., 50c. Superbissima, 4-in., 25c each; 6-in., 50c; 8-in., \$1. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Fern Nephrolepis Glatrasii, 2½-in., \$3.50 per doz.; \$25 per 100; \$200 per 1,000. George Glatras, 463 Summit Ave., W. Hoboken, N. J.

Fern Scholzell, 4-in., 25c. Scottil, Whitman, Boston, 4-in., 20c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns for dishes, 2-in., 50c per doz.; \$3.50 per 100. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Ferns, Boston and Piersoni, 3-in., 8c each. Mosbaek Greenhouse Co., Onarga, Ill.

Ferns for dishes, asst., 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Oechslein, 4911 Quincey St., Chicago.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Boston, 3-in., 25c each. Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns, Whitman, 2½-in., \$5 per 100. Henry H. Barrows & Sons, Whitman, Mass.

## FEVERFEW.

Feverfew, 2½-in., 2½c. Mosbaek Greenhouse Co., Onarga, Ill.

Feverfew, dbl. white, \$1 per 100; \$9 per 1,000. S. W. Carey, Urbana, O.

## FICUS.

Young rubber plants, 2½-in. pots, \$15 per 100. Order early; limited quantity. Bobbink & Atkins, Rutherford, N. J.

## GERANIUMS.

Geraniums, strong, 2-in. stock, Heteranthe, Nutt, Jean Vlaud, La Favorite, L'Aube, Hill, \$2 per 100; \$18 per 1,000. Our selection, \$17 per 1,000. Pamela, \$4 per 100. Anastasio Lecadre, \$3 per 100. Red Wing, the best novelty of the season, 25c each; \$2.50 per doz. Write for geranium catalogue. F. H. DeWitt & Co., Wooster, Ohio.

GERANIUMS. Nutt, Grant, Poltevine, Vlaud, Buchner, all true to label. Large top cuttings well rooted, \$1.25 per 100; \$10 per 1,000. Same varieties from 2½-in. pots, \$2 per 100; \$18 per 1,000. Cash. The W. T. Buckley Co., Springfield, Ill.

Geraniums, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Vlaud, Castellane, Poltevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$5 per 100. Mme. Sallerol, 2-in., \$3 per 100. G. M. Emmans, Newton, N. J.

Geraniums, standard varieties, 2½-in., 3c each; \$25 per 1,000; 4-in., 9c each; \$30 per 1,000; 5-in., 12c each. La Favorite, 3-in., 5c; 4-in., 7c. Mosbaek Greenhouse Co., Onarga, Ill.

Geraniums, S. A. Nutt, Mme. Barney, White Swan, 4-in., \$8 per 100. Mme. Sallerol, 2½-in., \$3 per 100. J. S. Hennon & Son, Wampum, Pa.

Geraniums, 4-in. plants, S. A. Nutt, in bud and in bloom, \$7 per 100. C. E. Ruch, Richmond, Ind.

Geraniums, 8 vars., 2½-in., \$3 per 100; \$25 per 1,000; 3-in., \$4. Jos. H. Cunningham, Delaware, O.

Geraniums, 2-in., \$2 per 100; \$18 per 1,000, to 50c each. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, R. C., Ricard, Poltevine, Nutt, \$10 per 1,000. A. M. Herr, Lancaster, Pa.

Rose scented geraniums, \$1 per 100; \$9 per 1,000. S. W. Carey, Urbana, O.

## GREENS.

Greens, fancy and dagger ferns, \$1.25 per 1,000. Galax, bronze and greens, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large bales, \$1.25; Leucothoe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch, 50 lbs., \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, dagger and fancy ferns, \$2 per 1,000. Bronze and green galax, \$1 per 1,000; \$8.50 per 10,000. Leucothoe Sprays, \$1 per 1,000; \$7.50 per 10,000. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, southern wild smilax, Log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 33 W. 28th St., New York.

Greens, cut palmetto and cycas leaves, galax, leucothoe, ferns, mosses, etc., Kervan Co., 113 W. 28th St., New York.

## HARDY PLANTS.

Hardy Phlox, R. C., \$1.25 per 100. A. M. Herr, Lancaster, Pa.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

If You Do Not Find What You Need In Our Ready Reference Department, Write Us About It.



**HELIOTROPES.**

Heliotrope, Miss Bernice, 2½-in., \$8 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Heliotrope, 2½-in., \$2.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Heliotrope, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

**HOLLYHOCKS.**

Hollyhocks, assorted, 2½-in., 3c. Mosbaek Greenhouse Co., Onarga, Ill.

**HYDRANGEAS.**

Hydrangea, Arborescens Grandiflora Alba. We have the largest stock of strong 2 and 3-year-old plants in America at attractive prices. Inspection of stock desired. E. Y. Teas, Centerville, Ind.

Hydrangeas paniculata grandis, 18 to 24 ins., 6c; 2 to 3 ft., 9c. Dingee & Conard Co., West Grove, Pa.

**LILACS.**

Lilacs, Jacs Smits, Naarden, Holland.

**LILY OF THE VALLEY.****To Import.**

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

**From Storage.**

Lily of the valley clumps, \$2.35 per doz.; \$20 per 100. Vaughan's Seed Store, Chicago and New York.

Lily of the valley, cold storage, \$12.50 per 1,000. Buds, 76 Barclay St., New York.

**LOBELIA.**

Blue lobelia, \$1 per 100; \$9 per 1,000. S. W. Carey, Urbana, O.

Lobelia speciosa, B. Queen, 2½-in., \$2 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

**MYOSOTIS.**

Myosotis, early flowering, 3-in., \$2.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

**MUSHROOM SPAWN.**

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

Mushroom Spawn. Sure crop, \$8 per 100 lbs. Weeber & Don, 114 Chambers St., N. Y.

**NURSERY STOCK.**

Nursery stock, evergreens, shade and ornamental trees, shrubs, vines, trained dwarf and standard fruit trees, grape vines, small fruits. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, conifers, boxwoods, azaleas, rhododendrons, forest and fruit trees, hedge plants, etc. S. A. Vosters & Sons, Riel, Holland.

Nursery stock. Clematis, ampelopsis, tree hydrangeas, lilacs, shrubs, vines and perennials. Jackson & Perkins, Newark, N. Y.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock arbor vitae (Thuja occidentalis), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Virburnum plicatum, 2 to 3 ft., 12c. Dingee & Conard Co., West Grove, Pa.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

**ORCHIDS.**

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchids, Cattleya Trianae, lablata, Warneri, Dendrobiums, Oncidium, V. Rogersii. G. L. Freeman Co., Fall River, Mass.

Orchids, all commercial, cattleyas and novelties. Carillo & Baldwin, Secaucus, N. J.

Orchids. Largest stock in the country. Julius Roehrs Co., Rutherford, N. J.

Orchids, leading kinds. Gretsch & Ordonez Bros., 52 W. 28th St., New York.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

**PALMS.**

Palms, Kentias, in 2½-in. pots, \$8 per 100; \$75 per 1,000. Jackson & Perkins Co., Newark, N. Y.

Palms. For varieties and prices see advertisement elsewhere in this issue. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Palms, Kentia Fors., 6-7 in., \$2 to \$3 each. Kentia Bel., 3-in., 10c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Kentias. Joseph Heacock Co., Wyncote, Pa.

Palms, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Palms, Bobbink & Atkins, Rutherford, N. J.

**PANDANUS.**

Pandanus Veitchii, 4-in., 50c each; \$6 per doz.; 6-in., \$1 each; \$12 per doz.; 7-in., \$2 each; \$24 per doz. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

**PEONIES.**

Peonies, all vars., Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars., W. & T. Smith Co., Geneva, N. Y.

Peonies only by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

Peonies, a superb collection. Jackson & Perkins Co., Newark, N. Y.

**PETUNIAS.**

Petunias, 3-in., \$5 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Petunias, dbl., seedlings, \$2.50 per 100. Jos. H. Cunningham, Delaware, O.

**PRIMULAS.**

Primulas from 2-in. pots, frame grown, ready in July, no better strains in existence. Chinesis, the best giant fringed, 8 separate colors or mixed, 2c. Obconica grandiflora. Ronsdorffers and Lattmann's unrivalled hybrids, 14 colors or mixed, 2c. Obconica gigantea, 3 colors or mixed, 3c. J. L. Schiller, Toledo, O.

**PRIVET.**

Privet, California, 1 and 2-year plants. Chas. Black, Hightstown, N. J.

**RHODODENDRONS.**

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

**RESURRECTION PLANTS.**

Resurrection Plants.—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis E. Lester Company, Dept. 6, Mesilla Park, N. M.

**ROOTED CUTTINGS.**

Rooted Cuttings prepaid, Cuphea, 75c per 100. Coleus, 60c per 100; \$5 per 1,000. Alternanthera, 50c per 100; \$4.50 per 1,000. Ageratum, 60c per 100. Dbl. petunias, \$1; Stevia, 75c per 100; \$6 per 1,000. Byer Bros., Chambersburg, Pa.

**ROSES.**

ROSES, 2-in., on own roots, Wellesley, Frances E. Willard, La Detroit, Ben R. Cant, Burbank, M. Nell, Souv. de P. Notting, Apricot, Marie Lambert, Mrs. De Graw, Clothilde Souper, \$2.50 per 100; \$22 per 1,000. Veilchenblau (violet blue) novelty, heavy 2-year stock, 90c; \$9 per doz. Wagner Park Conservatories, Sidney, O.

**ROSE PLANTS, 2½-INCH POTS.**

|              |       |       |
|--------------|-------|-------|
|              | 100   | 1,000 |
| Kaiserin     | ..... | \$35  |
| Mrs. Jardine | ..... | 4     |
| Bridesmaid   | ..... | 3     |
| Richmond     | ..... | 3     |

**WIETOR BROS.,**

Chicago.  
Roses, 3½-in., My Maryland, \$6 per 100; \$55 per 1,000. Richmond, Jardine, \$5 per 100; \$45 per 1,000. Maid, Bride, \$4 per 100; \$35 per 1,000. Jardine, 2½-in., \$4 per 100; \$35 per 1,000. J. A. Budlong, 37 Randolph St., Chicago.

Own root Bride, Bridesmaid, Chateau, Golden Gate, Pink Killarney, Kaiserin and Perle, \$6 per 100. Grafted, White Killarney, \$14 per 100. P. R. Quinlan, Syracuse, N. Y.

Roses, Crimson Rambler, 7-8-in., 75c to \$1.50 each. Dorothy Perkins, 5½ and 6-in., 35c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

**EXTRA FINE ROSE STOCK.**

| Read to ship, 2½-in.     | Per 100 | Per 1,000        |
|--------------------------|---------|------------------|
| White Killarney          | .....   | \$ 8.50 \$ 75.00 |
| Pink Killarney           | .....   | 6.00 65.00       |
| White Killarney, grafted | .....   | 12.00 110.00     |
| Pink Killarney, grafted  | .....   | 10.00 90.00      |
| My Maryland, grafted     | .....   | 12.00 110.00     |
| My Maryland              | .....   | 5.00 55.00       |
| Richmond                 | .....   | 5.00 45.00       |
| Brides                   | .....   | 25.00            |
| Kaiserin                 | .....   | 30.00            |
| Perles                   | .....   | 5.50 50.00       |
| Am. Beauty, 4-in.        | .....   | 12.00 110.00     |
| 3½-INCH.                 | Per 100 | Per 1,000        |
| White Killarney          | .....   | \$12.00 \$110.00 |
| White Killarney, grafted | .....   | 15.00 140.00     |
| Pink Killarney, grafted  | .....   | 13.00 120.00     |
| My Maryland, grafted     | .....   | 15.00 140.00     |
| My Maryland              | .....   | 8.00 75.00       |
| Richmond                 | .....   | 7.00 65.00       |
| Cardinal                 | .....   | 10.00 90.00      |
| Kaiserin                 | .....   | 50.00            |

POEHLMANN BROS. CO., Morton Grove, Ill.

Roses. For varieties and prices see advertisement on front cover page. Vaughan's Seed Store, P. O. Drawer V, Chicago.

Roses, on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses, Bride, Bridesmaid, Kaiserin, 3-in., fine stock, \$4 per 100. Joseph Bock, Burlington, Iowa.

Roses, bench plants, 1-year, Am. Beauty and Richmond, \$30 per 1,000. Geo. Reinberg, 51 Wabash Ave., Chicago.

Perles, Maids, Brides, Richmonds, fine 3-in., strong, healthy stock, \$5 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Rose Kaiserin, 4-in., own root, \$40 per 1,000. W. H. Elliott, Brighton, Mass.

Roses, Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

New Rambler (violet blue). Ellwanger & Barry, Rochester, N. Y.

Roses a specialty. Dingee & Conard Co., West Grove, Pa.

Roses, Bride, Maid, Richmond, 2½-in., \$3 per 100. W. W. Coles, Kokomo, Ind.

Roses leading varieties. Leedle Floral Co., Springfield, O.

Roses, 3-in. Wood Bros., Fishkill, N. Y.

**SALVIAS.**

Salvias, reset, 8 inches high, 50c per 100; \$4 per 1,000. F. J. Howell & Sons, Round Hill, Va.

Salvia Zurich, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

**SEEDS.**

Seeds. Asparagus plumosus nanus, 100 seeds, 60c; 250, \$1.25; 1,000, \$4. Sprenger, 100 seeds, 15c; 250, 25c; 1,000, 75c; 5,000, \$3.25. Vaughan's Seed Store, Chi. & N. Y.

Seeds, onions, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seed, asters, mignonette, Begonia Veron, Cineraria, Primula Chinesis, Obconica, Salvia Bonfire and Splendens, Verbenas, Cyclamen and Pansy. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

The Best Seeds for Dealers, Truckers, Plant Growers. Get price list from Francis Brill, Grower, Hempstead, N. Y.

Seeds, dwarf cauliflower and Danish Ball-head cabbage. L. Daehnfeldt, Odense, Denmark.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, Phoenix Roebeleni. Sander, T. Mellstrom, Representative, 235 Broadway, New York.

Seeds, specialties. Stocks, pansies, cyclamens, etc. Pape & Bergmann, Quedlinburg, Germany.

Seeds, turnips. Seven-Top, Dixie, Frost King, Prize Taker. D. Landreth Seed Co., Bristol, Pa.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds. Bermuda onion. Federico C. Varela, Tenerife, Canary Islands.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It



Seeds of all kinds. H. E. Fiske Seed Co., Boston.

Seeds of all kinds. Winterson's, 45 Wash Ave., Chicago.

Seeds, pansy. Fred. Roemer, Quedlinberg, Germany.

Seeds, asters, Vick & Hill, Box 4613, Rochester, N. Y.

Seed, pansy, 1,000 seeds, 25c; 1 oz., \$2.25. H. Wrede, Luneburg, Germany.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds. Landreth Seed Establishment. Bloomsdale Farms, Bristol, Pa.

Seeds, Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds, flower of all kinds. O. V. Zangen, Hoboken, N. J.

Seeds, cineraria, mixed, tr. pkt., \$1. Weber & Don, 114 Chambers St., New York.

Seeds, Stokes' standards. 219 Market St., Philadelphia.

#### Contract Growers.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon; sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohmert, Gilroy, Calif.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Mette, Quedlinburg, Germany.

Seeds, growers for the wholesale trade only. Braslan Seed Growers' Co., San Jose, Calif.

Seeds, field, garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, sweet peas. Anton Zvolanek, Boundbrook, N. J.

#### SMILAX.

Smilax, strong stock for permanent beds, 2½-in., \$2 per 100; \$17.50 per 1,000; very strong plants from seed bed, 50c per 100; \$4 per 1,000. All this stock will make runners at once. Cash. Freeport Floral Co., Freeport, Ill.

Smilax, 2¼-in., \$2.50 per 100; \$20 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

Smilax, from 2-in. pots, \$1.75 per 100; \$15 per 1,000. J. L. Schiller, Toledo, O.

Smilax, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax. Wood Bros., Fishkill, N. Y.

#### SPIREAS.

Spires. J. Smits, Ltd., Naarden, Holland.

#### STOVE PLANTS.

Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

#### VEGETABLE PLANTS.

Orders booked now for July delivery. Cabbage, Sure Head, Flat Dutch, Autumn King and Danish Ball Head, \$1 per 1,000; \$8.50 per 10,000. Celery, Boston Market, Golden Heart, White Plume and Giant Pascal, \$1 per 1,000; \$8.50 per 10,000. Parsley, Covent Garden, curled, 25c per 100; \$1.25 per 1,000. Lettuce, Big Boston and Grand Rapids, \$1 per 1,000. Every one a plant. Satisfaction guaranteed. We can ship by Adams, Wells Fargo, W. S. and Southern Express. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Late cabbage, Mammoth Drumhead, Horseman's Flat Dutch, Premium Flat Dutch, Mammoth Red Rock, extra fine plants, \$1.50 per 1,000. Kale, kohlrabi, celery, peppers, egg plants, all extra fine plants, 30c per 100. Cash. Wonderberry plants, 25c per dozen by mail. Mrs. Edward Hayden, Greenview, Ill.

Tomato plants, all the best sorts from seed bed, \$2 per 1,000; transplanted, \$3 per 1,000. Cauliflower, Erfurt, large from seed bed, \$2 per 1,000; transplanted, \$3 per 1,000. Cash. E. Fryer, Johnstown, Pa.

A large stock of sweet potato plants now ready. Yellow Nansmond, Big Stem Jersey and Early Golden, \$1.25 per 1,000; \$10 per 10,000. H. Austin Co., Felton, Del.

#### VEGETABLE PLANTS.

Cabbage—Danish Ballhead and Early Jersey, seedlings ..... \$1.25 per 1,000  
Cabbage—Danish Ballhead, transplanted ..... 3.50  
Cauliflower—seedlings ..... 4.00  
Cauliflower—transplanted ..... 5.00  
Egg Plant—Seedlings ..... 3.00  
Egg Plants—Pot plants, per 100... \$2.00  
Peppers—Pot plants, per 100.... 2.00  
Tomato Seedlings ..... 2.00  
Tomato—pot plants, per 100..... \$2.00  
Lettuce—Grand Rapids, Hanson's Improved, Selected, Immensity..... 2.00  
MOSBAEK GREENHOUSE CO., Onarga, Ill.

Vegetable plants, beet, 20c per 100; \$1.25 per 1,000. Egg plant, 40c per 100; \$2 per 1,000. Pepper, Bull Nose, Sweet Mountain, Ruby King, 40c per 100; \$2 per 1,000; Tomato, small plants, Earliana, Early Jewel, Dwarf Stone, Champion, Ponderosa, Matchless, 30c per 100; \$2 per 1,000. Tomato, small plants, Stone, Paragon, Favorite, Success, 20c per 100; \$1 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Vegetable plants: Cabbage and tomatoes, \$1 per 1,000. Peppers, sweet potatoes, Brussels sprouts, \$1.50 per 1,000. Cauliflower, \$2.50 per 1,000. J. C. Schmidt, Bristol, Pa.

500,000 XX Golden Self Blanching celery plants now ready at popular prices. The Princeton Gardens, W. J. Ritterskamp, Pres., Princeton, Ind.

Cauliflower, 50c per 100; \$4 per 1,000. Stone tomatoes, 30c per 1,000. F. J. Howell & Sons, Round Hill, Va.

Cabbage plants, Wakefield, Early Summer, All Head, All Seasons and Hollander, \$1 per 1,000. J. L. Johnson, De Kalb, Ill.

#### VERBENAS.

Verbenas, 2¼-in., \$2 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

#### VINCAS.

Vinca minor, the hardy vinca for cemetery planting and under trees, where grass will not grow; well rooted layers, \$1.50 per 100; \$10 per 1,000. E. Y. Teas, Centerville, Ind.

Vinca variegata, 5-in., 18c, extra fine. Vinca minor, field-grown, \$4 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Vinca variegata, 2,000 2-in., at 1½c; 3-in., 2½c; 4-in., 7c; all good stock. John S. Leach, Hartford City, Ind.

Vinca variegata, 4-in., \$8 per 100. J. S. Hennon & Son, Wampum, Pa.

Vincas, \$2 per 100; \$18 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Vincas, 2-in., \$2.50 per 100; 3-in., \$4; 5-in., \$12. N. C. Moore & Co., Morton Grove, Ill.

#### BOILERS.

Gem City Return Tubular Firebox boilers. The Gem City Boiler Co., Dayton, O.

#### GLAZING POINTS.

Glazing points, Lord & Burnham special glazing nails (points), Lord & Burnham Co., 1133 Broadway, New York.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc never-rust glazing points, ½ sizes, ¾ and 1, 40c per lb.; 16c extra by mail; 7 lbs, \$2.50; 15 lbs., \$5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

#### GREENHOUSE CONSTRUCTION.

Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings & Co., 1170 Broadway, New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk, Chicago.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

#### GUTTERS.

Gutters, Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters, cast-iron. Lord & Burnham Improved V-shaped gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

Gutters, Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

#### MISCELLANEOUS.

Meyer green silkline. \$1.25 per lb., & spools to lb. Meyer violet thread for violets, \$1.25 per doz. spools of 500 yards each. John C. Meyer Co., 1449 Middlesex St., Lowell, Mass.

Rocking grate bar, saves 10 to 25 per cent coal. U. S. Rocking Grate Bar Co., 77 Jackson Blvd Chicago.

Richmond carnation supports, rose and mum stands. Eagle Machine Works, Richmond, Ind.

The Mastin Automatic Whitewash and Spraying Machine. J. G. Mastin & Co., 3124 W. Lake St., Chicago.

Plant bed cloth, waterproof sheeting, hay caps, etc. Henry Derby, 123 F. Chambers St., N. Y.

Pulverized Sheep Manure. Sheep's Head Brand. Natural Guano Co., Aurora, Ill.

Pillsbury's Carnation Staple, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

#### PIPE.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U-bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., Western and 26th, Chicago.

Pipes and fittings, cast iron and wrought pipe, valves, elbows, pipe hooks, automatic air headers, etc. Lord & Burnham Co., 1133 Broadway, New York.

Iron fittings, patent iron bench fittings and roof supports. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Pipe and fittings. S. Jacobs & Sons, 1357 Flushing Ave. Brooklyn N. Y.

Pipe, valve fittings. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

#### POTS, PANS, ETC.

"NUFF SED." Best red pots are made by Geo. E. Feustel, Fairport, Iowa.

Pots, before buying write for prices. Geo. Keller & Sons, 2614-22 Herndon St., Chicago.

Pots, Florist red. Peters & Reed Pottery Co., Zanesville, O.

Pots, Syracuse red. Syracuse Pottery Co., Syracuse, N. Y.

Neponset waterproof paper flower pots. Vaughan's Seed Store, Chicago & New York.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots. Standard, all sizes. A. F. Kohr, 2934-38 N. Leavitt St., Chicago.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

#### STAKES.

Cane Stakes. Standard grade 6 to 8 feet. per 100, 85c; 500 for \$3; \$5.50 for 1,000.

Pipe stems about 6 feet, per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

#### STEAM TRAPS.

Steam traps, the Standard return steam trap has no equal for its simplicity of working. E. Hippard, Youngstown, O.

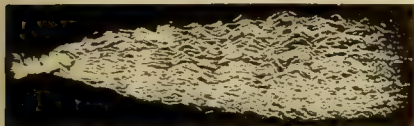
Morehead Return Steam Traps, Morehead Mfg. Co., 1047 Grand River Ave., Detroit.

Detroit return traps. American Blower Co., Dept. A. F., Detroit, Mich.

If You Do Not Find What You Need In Our Ready Reference Department, Write Us About It



# Raffia



We are positively Headquarters for two best grades—bales or ten bales.

Samples free.

CHICAGO or NEW YORK,

**Vaughan's Seed Store**

Sheep's Head Brand

**Pulverized Sheep Manure**



The Ideal  
Plant Food  
for Florists.

Write to-  
day for  
Prices and  
Booklet.

NATURAL GUANO COMPANY,

Aurora, Ill.

Lexington, Ky.

Retailers generally, have expressed themselves as well pleased with the business of Memorial day. Everything in flowering plants was cleaned out and more could have been disposed of. The weather conditions were favorable, the supply enormous, with prices about the same as in previous years. Roses are in fairly good supply at present and there is a good demand for them. Carnations are becoming somewhat smaller owing to the hot weather, and they retail for 50 cents and 75 cents per dozen. Sweet peas sell for \$1 per 100 blooms. Green goods are not in as good supply as they have been. All the plantmen have about finished planting beds and they all report much better business than last year. Some of the growers sold 4-inch geraniums for \$1 per dozen this spring, but those that held up their prices had no trouble in disposing of them at \$1.50. Cannas were also in good demand this year, King Humbert especially.

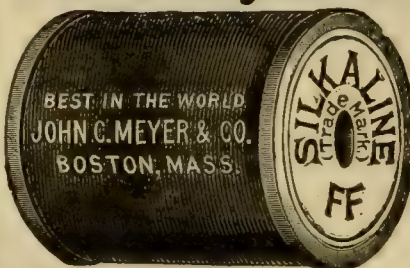
#### NOTES.

Everything is about cleaned out in bedding plants at the J. W. Keller Estate, and they are now very busy getting soil ready for planting roses, carnations and chrysanthemums. All their carnations will be planted from pots this year. Bernard Eggers, formerly with S. M. Harbison, Danville, is now rose and carnation grower at this place. Mr. Eggers is a good grower and we all wish him much success in his new field.

August Le Clere has everything in first-class shape at the Eastern Kentucky lunatic asylum on West Fourth street, of which he has charge. Mr. Le Clere deserves much credit for the beautiful beds which he has at that place every year.

Otto Heberling, of the Georgetown Floral Co., was a welcome visitor here recently and called on the boys at the J. W. Keller Estate on East Sixth

## The "Meyer Green Silkaline"



is the only Green Thread that should be used by florists and growers. It is guaranteed full weight and full measure.

Also Violet Thread for tying up Violets. Price of both, \$1.25 per lb.

For sale by all first-class supply houses. If your dealer does not carry it in stock, write us direct, giving us his name.

**JOHN C. MEYER & CO., 1449 Middlesex St., Lowell, Mass.**

## Evergreen Brand Flower Fertilizer.

A Pure Plant Food immediately available. It permanently enriches the soil. It prevents the onslaught of plant diseases or insect pests. Can be used at any time during the growing season, dry or in solution. Put up in 12 pound cans, Price, \$2.00 each.

**For Sale by Leading Jobbers**

Further information can be obtained from

**D. D. JOHNSON CO., Manufacturers,**  
64-66 Wabash Ave., CHICAGO.

## The Mastin Automatic Whitewash and Spraying Machine Is Reliable, Practical and Durable



The tank is made of galvanized sheet steel, and in brass. The pump is of brass throughout, simple and powerful. The mixing device keeps the contents of the tank well stirred up from start to finish.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

All parts are made to gauge and may be had for repairs.

Ask your dealer about our Extension Hose, Extension Rods,

and the Mastin Whitewash Nozzle for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

**J. G. MASTIN & CO., 3124 West Lake St., CHICAGO, ILL.**

## Cattle Manure in Bags Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

### Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

**The Pulverized Manure Company**  
32 Union Stock Yards, Chicago.

street. Mr. Heberling has been sick for some time.

The Michler Bros. Co. had the contract for filling the beds at the court house this year. Several window boxes and vases were also filled at that place by the same firm.

Anderson & White, the lady florists on Georgetown street, have had a good plant business this year.

L. C.

ASHLAND, MASS.—Ernst Warren has under construction a large greenhouse, in connection with his Union street place.

Has stood the test of over a Quarter of a Century.

## THOMSON'S Vine, Plant and Vegetable MANURE

UNRIVALED  
FOR

Vines,  
Tomatoes,  
Cucumbers,  
all Flowering,  
Foliage and  
Fruit bearing  
Plants,  
Vegetables,  
Lawns, etc.



The result of  
many years  
practical  
experience.

**PERFECT  
PLANT FOODS**

Sold by  
Leading  
American  
Seedsmen.

— ALSO —

**Thomson's Special Chrysanthemum  
and Topdressing Manure**

Freight paid on quantities. Write for our special offer to the American trade pamphlets, agents' circulars, etc., to sole makers,

**WM. THOMSON & SONS, Ltd.,**  
Tweed Vineyard, Clovenfords, Scotland

MILLBROOK, N. Y.—Special greenhouse contractors from New York have been busy here putting new pipes throughout all of the greenhouses at Daheim.





**THE** combining of greenhouse and gardener's cottage in some such way as this, makes a handy arrangement for our gardener friends.

This house is 18 feet wide and 33 feet long, and has two compartments. It is small, but it's "a starter," and other compartments are easily enough added. Sometimes it is just as well to start small, and then make additions when required.

When you do build make it our Iron Frame Construction—Curved Eave if you say so. Send for circular.

**Hitchings & Company,**  
1170 Broadway, New York.

## THE STANDARD VENTILATING MACHINERY



The original machine with self-oiling cups. The most powerful, least complicated, very compact, with ease of operation.

### The New Duplex Gutter

Over six miles in use and highly recommended by all. The only Drip Proof gutter on the market.

### The Standard Return Steam Trap

It has no equals for simplicity or its working. Catalogue free.

**E. HIPPARD, Youngstown, Ohio.**

### The Paris Flower Show.

The Paris flower show, which opened June 1, in the Cours-la-Reine, on the borders of the Seine, was one of the finest and most beautiful held here. New varieties and striking novelties were comparatively few, but in development and quality the flowers and plants surpass those exhibited in former years. Perhaps the most interesting—certainly the most instructive—feature was the "retrospective exhibition of the rose," organized by M. Gravereau, proprietor of the famous Roseraie de l'Hay. Here was found the complete history of rose culture. The point of departure is the earliest recorded specimen of the rose, which is the genus *rosa*, brought from the plateau of the Pamir, in Central Asia, known as "the roof of the world." *Eglantines* and wild roses of every country were shown. Some of the varieties were shown in the living flower, and others from Tibet, Iran, China and Japan were exhibited by specimens pressed and dried on botanical paper. The successive steps of culture by means of transplanting and by cross-breeding, in all stages were shown.

The Damascus rose, which was first brought to Europe by returning crusaders, and which gave a vigorous impetus to culture by cross-breeding in France and England, was on view here. Numerous varieties of roses from China, India and Japan, introduced into France in the eighteenth century by the French Compagnie des Indes, and preserved in the botanical collection of the Jardin des Plantes, were exhibited. The roses obtained by the Compagnie des Indes were crossed by Paris scientists with primitive French

## Attention!! Glass Buyers!! GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.  
Quality A. No. 1. Prompt shipments.

### Hooker's Greenhouse White Paint

The most durable white paint for this purpose.  
Half barrels, (25 gallons) per gal., \$1.70. 5 gal. pails, per gal., \$1.75

## H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone  
Monroe 4994.

651-659 Washington Boulevard, CHICAGO.

Mention the American Florist when writing

Use our patent  
Iron Bench  
Fittings and  
Roof Supports

## THE JENNINGS<sup>IMPROVED</sup> IRON GUTTER.

### IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

### DILLER, CASKEY & KEEN,

S. W. Corner Sixth and Berk Streets,

PHILADELPHIA.

VENTILATING  
APPARATUS

Mention the American Florist when writing

roses, and this operation led to a great horticultural revolution, the outcome of which was the superb rose that in due course developed into such flowers as exist today in the gardens of America and Europe.

INDIANAPOLIS, IND.—Plans for a chrysanthemum show, to be held in Tomlinson hall early in November were laid by the State Florists' Association at a meeting held in room 12 of the State house June 10. It was definitely decided to hold the show, and the executive committee was instructed to appoint special committees to start work at once on the arrangements. The exact date will be fixed in the near future. This will be the first show held in five years.

Write to us about  
**Materials and Plans**  
for any size and style of

## GREENHOUSE

for new structure or repairs.

**Hot Bed Sash** In stock or any size required,

### Pecky Cypress

for benches, lasting and least expensive.

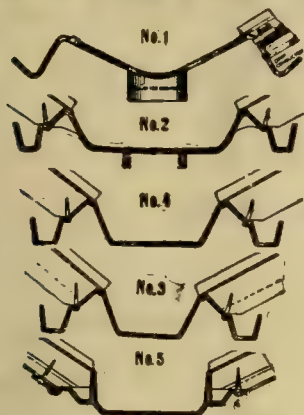
## The Foley Mfg. Co.,

Western Ave and 26th St. CHICAGO.

Mention the American Florist when writing



## A Gutter With a Reputation



Ask the man who has tried them. For further particulars, write to

**GEO. M. GARLAND CO.,**  
DES PLAINES, ILL.

## Steel Return Tubular Boilers

The Most Economical Type of Boiler for Greenhouse Heating. Highly recommended by well-known florists.

**JOHNSTON HEATING CO.,** 138 E. 31st St.,  
NEW YORK.

### Manna.

Manna is collected from the tarfa, or tamarisk, the manna ash, the camel thorn, the larch, the cedar, the Australian Eucalyptus viminalis and even some edible lichens, such as Lecanora esculenta, and its allied species are known by this name. According to Burckhardt the manna from the tamarisk (Tamarix gallica) drops from the thorns, on the sticks and leaves with which the ground around these trees is usually covered and must be gathered early in the day or it will be melted by the sun. "The Arabs cleanse and boil it, strain it through a cloth and put it into leathern bottles, and in this way keep it uninjured for several years. The manna ashes (Fraxinus ornus, F. Europaea and F. rotundifolia), yield manna in consequence of a puncture made by an insect resembling the locust, known as Coccus mannifarus. The substance is fluid at night and resembles dew, but begins to harden in the morning. Fraxinus ornus was introduced into England in 1730 by Dr. Uvedale.

The camel thorn, which grows in Northern India and Syria, produces the description known as Al baj, or Persian manna. The larch and the famous cedars of Lebanon also furnish a manna of their own, but although prized and eaten by the natives of the countries where they are found, these kinds of manna do not seem to possess the useful properties of the manna ash, which is the manna of European commerce. The Australian Eucalyptus viminalis exudes crumbs of an edible manna, which is very sweet, and is used to produce the opaque drops called honey-manna, or melitose.

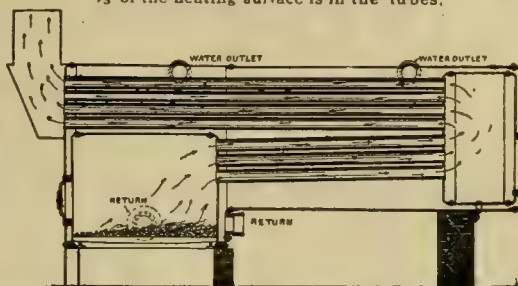
Of the edible manna lichens, Lecanora esculenta, and Lecanora tartarea, the coloring matter known as litmus is made. This kind of lichen is sometimes torn up and transported by violent gusts of wind and falls in showers several inches thick. In 1829, during the war between Persia and Russia, there was a great famine in

## The Superior Standard

### RETURN FLUE FIRE BOX BOILER

contains more heating surface, and less water space than any other steel boiler.  
 $\frac{2}{3}$  of the heating surface is in the tubes.

Ask the man that knows the one using different style boilers—names are yours for the asking.

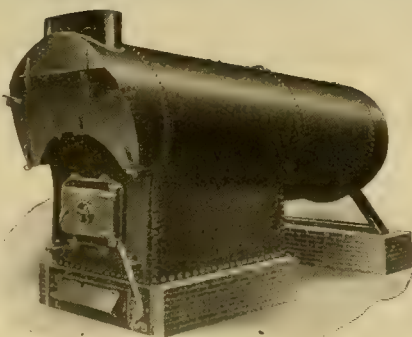


After using our boiler one season, you will say like all others: Nothing but "Superior" for me.

This boiler has given better satisfaction than any other boiler on the market  
MADE IN NINE (9) SIZES FOR HOT WATER.

Send for catalogue and list of growers that are using this boiler.

**THE SUPERIOR MACHINE & BOILER WORKS, 840-850 Superior St., Chicago.**



## The Gem City Return Tubular Firebox Boilers

Are the most economical for Greenhouse heating.

Send for descriptive matter and prices.

**THE GEM CITY BOILER CO.**  
DAYTON, OHIO.

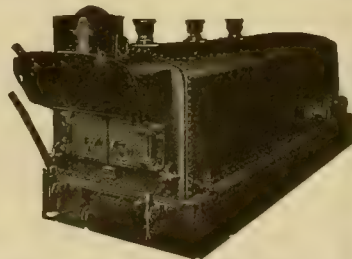
## THE KROESCHELL BOILER

is the only perfect  
**HOT WATER BOILER.**

We manufacture every type of boiler in use, but our greenhouse boiler, because of its special construction, possesses many advantages over any other type.

Prices and catalogue on application.

**KROESCHELL BROS. CO.**  
452 W. Erie St. CHICAGO



Oroomiah, southwest of the Caspian sea. "One day during a violent storm the surface of the country was covered with lichens, which fell from the sky in showers. The sheep immediately attacked and devoured it eagerly, which suggested to the inhabitants the idea of reducing it into flour and making bread of it, which was found to be palatable and nourishing."

During the siege of Herat, there is mention made of a hail of manna which fell upon the city and provided the inhabitants with food. In April, 1846, in the government of Wilna, a rain of manna occurred, forming a layer upon the ground three or four inches thick. It was of grayish-white color, rather hard, irregular in form, inodorous and insipid. It is to be found in the great desert of Tartary, on the steppes to the north of the Caspian sea, in the Altai range, in South America and in Algeria.—Indian Planting and Gardening.

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MACOMB, ILL.—F. E. Bonham and Charles Wettengel held a peony show June 7, which was well attended. More than 100 varieties were shown.



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### Glen Cove, N. Y.

The annual summer show of the Nassau County Horticultural Society was held at Pembroke hall, June 8. Considering the season, the hall was well filled up and visitors were unanimous in their praise of the fine display. H. Turner, Walter Shaw and D. McFarlane were the judges for the day. H. S. Phips, Jr., Roslyn, was elected honorary member, two new active members were elected and two applications for membership received. The next meeting will be sweet pea night, several prizes being offered for the best exhibits. The following are the awards:

Collection of tea and H. T. roses.—G. B. Wilson, Roslyn, first.

Twelve distinct H. P. roses.—G. Ashworth, Glen Cove, first; G. Wilson, second.

Twelve distinct tea and H. T. roses.—H. Gaut, Glen Cove, first; G. Wilson, second.

Vase of H. P. roses.—Robt. Marshall, Glen Cove, first.

Vase of tea and H. T. roses.—H. Gaut, first.

Collection of rambler roses.—H. Gaut, first.

Collection of herbaceous plants.—J. Holloway, Glen Cove, first, showing 59 varieties, a very fine exhibit much admired by everyone; Mr. Holloway showed 20 varieties of pinks that made a most gorgeous display.

Three vases peonies, three varieties.—H. Gaut, first; J. Elmslee, Glen Cove, second.

Single vase of peonies.—H. Gaut, first.

Vase of delphiniums.—J. Elmslee, first.

Vase of snapdragons.—H. Gaut, first.

F. O. Johnson, gardener to Mrs. H. I. Pratt, Glen Cove, exhibited seven vases of roses which well deserved the cultural certificate awarded. Cultural certificate was also awarded to Julius Roehrs Co., Rutherford, N. J., for a splendid exhibit of orchids. Honorable mention was awarded to W. Ross, gardener to H. S. Phips, Jr., for two beautiful ferns, also a vote of thanks for a fine display of roses not entered for competition. V. Cleres received a vote of thanks for a fine campanula. E. Westerbe for a grand vase of roses. The winners of the monthly prizes were: G. Wilson for best pteris and adiantum; I. McDonald for the best nephrolepis. A cultural certificate was awarded to H. Fleishauer for a grand exhibit of sweet peas, roses and strawberries. Honorable mention to Paul Reul for vase of Frau Karl Druschky roses.

O. E. A.



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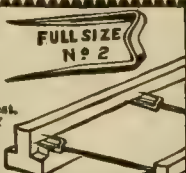
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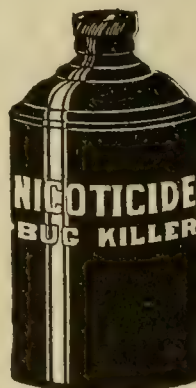
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# THE AMERICAN FLORIST



*America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."*

Vol. XXXIV.

CHICAGO AND NEW YORK, JUNE 25, 1910.

No. 1151

## THE AMERICAN FLORIST

TWENTY-FIFTH YEAR.

Copyright, 1910, by American Florist Company.  
Entered as Second-Class Matter Nov. 11, 1891,  
at the Post Office at Chicago, Illinois,  
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY  
**AMERICAN FLORIST COMPANY,**  
324 Dearborn St., Chicago,  
Long Distance Phone: Harrison 7465.

Eastern Office: 1133 Broadway, New York.  
Philadelphia, Pa.: Robt. Klft, 1725 Chestnut St.  
Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a  
year; Canada, \$2.00; Europe and Countries  
in Postal Union, \$2.50. Subscriptions  
accepted only from the trade. Vol-  
umes half yearly from August, 1901.

Address all correspondence, subscriptions, etc.,  
American Florist Co., 324 Dearborn St., Chicago.

### SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—F. R. PIERSON, Tarrytown, N. Y.,  
Pres.; FRED W. VICK, Rochester, N. Y., Vice-  
Pres.; H. B. DORNER, Urbana, Ill., Sec'y;  
WM. F. KASTING, Buffalo, N. Y., Treas. Next  
meeting at Rochester, N. Y., August 16-19, 1910.  
Second National Flower Show, Boston, Mass.,  
March, 1911.

### CHRYSTANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition, in conjunc-  
tion with the Morris County Gardeners' and  
Florists' Society, Morristown, N. J., November  
2, 3 and 4, 1910. ELMER D. SMITH, Adrian, Mich.,  
President; C. W. JOHNSON, Morgan Park, Ill.,  
Secretary.

### THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at  
Boston, Mass., March, 1911. FRED. BURKE,  
Pittsburg, Pa., President; A. F. J. BAUR, Thirty-  
eighth St. and Senate Ave., Indianapolis, Ind.,  
Secretary.

### AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at Bos-  
ton, March 1911. WM. H. ELLIOTT, Brighton,  
Mass., President; A. FARENWALD, Roslyn, Pa.,  
Vice President; BENJAMIN HAMMOND, Fishkill-  
on-Hudson, N. Y., Secretary.

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Department.  
See Page 1075.**

## AMERICAN SEED TRADE ASSOCIATION

Twenty-Eighth Annual Convention at the Hotel Strand,  
Atlantic City, N. J., June 21-23.

### The Opening Day.

The twenty-eighth annual conven-  
tion of the American Seed Trade As-  
sociation opened at 10:30 a. m. at the  
Hotel Strand, Atlantic City, N. J., June  
21. The attendance of members was  
good, over 100 being present at the  
opening session. President Robinson's  
address was well received, as was that  
of Secretary C. E. Kendel and the  
reports of the various committees  
which occupied the remainder of the  
morning session.

At the afternoon session Geo. S.  
Green, Chicago, a member of the ex-  
ecutive committee, made an extended  
and important report for the commit-  
tee on legislation. Secretary Kendel  
read a report from the National Coun-  
cil of Horticulture and an appropria-  
tion of \$200 from the funds of the  
association was made towards the  
expenses of the work of the council.

Francis Brill then read his paper  
on "Past, Present and Prospective of  
the Seed Trade of America," and  
the remarks of this veteran seedsman  
were listened to with the greatest in-  
terest by all present. The paper by  
Curtis Nye Smith on "The Advance-  
ment and Protection of the Interests  
of the Seed Trade" was a finished and  
eloquent one as befitted the author,  
who is counsel for the association.

### Wednesday's Proceedings.

At the morning session on Wednes-  
day, W. Atlee Burpee read a most in-  
structive and interesting paper on  
"The Spencer Type of Sweet Peas,"  
Fresh from the latest trials on his own  
grounds in Philadelphia, Mr. Burpee  
was in an excellent position to speak  
with assurance on the newer types of  
this very popular flower, and the  
many good points brought out evoked  
a long and interesting discussion.  
Leonard Vaughan reported for the  
committee on ruling of the post office  
department on regulation of packages.

George H. Clark, of the Department  
of Agriculture, Ottawa, Ont., read a  
very able paper on "Methods and

Apparatus for Seed Testing by Seed  
Merchants." The author treated his  
subject in a most exhaustive manner,  
showing himself thoroughly acquaint-  
ed with up-to-date methods of seed  
testing. His lecture was illustrated  
with samples of the work. Several  
new members were elected. A steamer  
excursion at five o'clock was a pleas-  
ant feature of the day's proceedings  
and at 9 p. m. all were entertained at  
the annual banquet, an excellent menu  
being done full justice to.

### Those Present.

Among those present or represented  
were the following: F. W. Bolgiano,  
Chas. Bolgiano, Chas. D. Boyles, C. H.  
Breck, C. S. Briggs and wife, F. Brill,  
A. E. Brown, Geo. R. Brunjes and  
daughter, W. Atlee Burpee, Howard  
M. Earle, W. Frank, A. H. Goldsmith,  
C. H. Coy and wife, Chas. Dickinson,  
Frank Lukes, J. A. Smith, J. H. Ford  
W. H. Grenell, M. S. Griffith, G. W.  
Gurney, E. B. Gurney, Alex. Forbes,  
A. O. Hogg, H. L. Holmes, Geo. S.  
Green, F. G. Johnson, J. W. Jefferson,  
W. Keeney, C. E. Kendel, S. L.  
Lamerd and wife, S. F. Leonard  
E. S. Leonard, J. Livingston, A. E.  
Reynolds, E. F. Squires, A. W.  
Schaffer, A. Kruhm, A. McCul-  
lough, wife and daughter; W. T.  
Fonda, W. H. Maule, J. W. May, C. R.  
Koch, E. H. Mixson, M. A. Feirstein,  
Jerome Wells, C. C. Michell, W. A.  
Massie, Nungesser & Co., S. A. Wilson,  
wife and daughter; E. L. Page, wife  
and two sons; C. W. Gray and wife,  
W. T. Phillips, F. S. Platt and wife,  
Fred S. Plant, Jerome B. Rice and  
wife, J. B. Rice, Jr., Miss Rice, W. C.  
Langbridge and wife, Miss M. J. John-  
son, C. P. Guelph, J. C. Robinson and  
wife, E. T. Robinson, A. L. and Miss  
Mabel Rogers, Wm. Ross, W. D. Rodd,  
W. G. Scarlett and wife, A. Corneli  
and wife, Chas. E. Heckle, A. W. Annan-  
dale, Robt. George, Fred Elberle,  
Leonard H. Vaughan, C. H. Vick,  
Kirby B. White, Oscar H. Will, Lyons  
H. Williams, Robt. Wood and wife,  
C. F. Wood, Frank C. Woodruff, F. W.  
Woodruff, F. W. Jager, Albert C.  
Diggs, C. C. Vale, Chas. A. Boller and  
wife, H. G. Hastings, J. C. Brown, B.  
F. Brown, J. A. Parker and wife, J. G.  
H. Clark, Jefferson Thomas,



### Customs Officers and Nursery Stock.

At the request of the secretary of agriculture, made with a view to preventing the introduction into the United States of plant diseases and injurious insects, collectors of customs at ports of first arrival of shipments of nursery stock or living plant material are instructed to communicate promptly to the Secretary of Agriculture (bureau of entomology), Washington, D. C., the receipt of such shipments, with the name of the port of delivery, the name and address of the ultimate consignee, and the place from which exported, says Treasury Decisions, May 26, 1910. Collectors at ports of delivery of such shipments will make similar report to the representative of the Department of Agriculture for the state to which the consignment is destined (as per list appended), duplicate report to be forwarded to the Secretary of Agriculture (bureau of entomology), Washington, D. C. The following are the local representatives of the Department of Agriculture engaged in the inspection of imported nursery stock:

Alabama: Prof. R. S. Mackintosh, Alabama Polytechnic Institute, Auburn.  
 Arkansas: C. F. Adams, state inspector, Fayetteville.  
 California: Hon. J. W. Jeffrey, commissioner of horticulture, Sacramento.  
 Colorado: Prof. C. P. Gillette, Agricultural Experiment Station, Fort Collins.  
 Connecticut: Dr. W. E. Britton, state entomologist, New Haven.  
 Florida: Dr. E. W. Berger, Agricultural Experiment Station, Gainesville.  
 Georgia: E. L. Worsham, state board of entomology, Atlanta.  
 Idaho: J. R. Field, state horticultural inspector, Boise.  
 Illinois: Prof. S. A. Forbes, state entomologist, Urbana.  
 Indiana: Benj. W. Douglass, state entomologist, Indianapolis.  
 Iowa: Prof. H. E. Summers, Iowa State College, Ames.  
 Kansas, northern half of state: Dr. T. J. Headlee, Agricultural Experiment Station, Manhattan; southern half of state: Prof. S. J. Hunter, University of Kansas, Lawrence.  
 Kentucky: Prof. H. Garman, Agricultural Experiment Station, Lexington.  
 Louisiana: J. E. Garrett, state crop pest commission, Baton Rouge.  
 Maine: E. F. Hitchings, state entomologist, Augusta.  
 Maryland: Prof. T. B. Symons, state entomologist, College Park.  
 Massachusetts: Dr. H. T. Fernald, state nursery inspector, Amherst.  
 Michigan: Prof. L. R. Taft, Michigan Agricultural College, East Lansing.  
 Minnesota: Prof. F. L. Washburn, state entomologist, St. Anthony Park.  
 Mississippi: Prof. R. W. Harned, Experiment Station, Agricultural College.  
 Missouri: State Fruit Experiment Station, Mountain Grove.  
 Montana: Joseph W. Wallisch, Secretary State Board of Horticulture, Hirbaur Block, Butte.  
 Nebraska: Prof. Lawrence Bruner, University of Nebraska, Lincoln.  
 New Hampshire: C. W. Stone, state nursery inspector, Durham.  
 New Jersey: Dr. John B. Smith, state entomologist, New Brunswick.  
 New York: George G. Atwood, State Department of Agriculture, Albany.  
 North Carolina: Franklin Sherman, Jr., state entomologist, Raleigh.  
 Ohio: N. E. Shaw, State Department of Agriculture, Columbus.  
 Oklahoma: Charles F. Barrett, secretary, Oklahoma State Board of Agriculture, Guthrie.  
 Oregon: H. M. Williamson, secretary State Board of Horticulture, Portland.  
 Pennsylvania: Prof. H. A. Surface, Department of Agriculture, Harrisburg.  
 Rhode Island: Prof. A. E. Stene, College of Agriculture and Mechanic Arts, Kingston.  
 South Dakota: Robert Matheson, state entomologist, Brookings.  
 Tennessee: G. M. Bentley, state entomologist, Knoxville.  
 Texas: Judge E. R. Kone, state commissioner of horticulture, Austin.  
 Utah: J. Edward Taylor, state inspector, Salt Lake City.  
 Vermont: Prof. M. B. Cummings, Agricultural Experiment Station, Burlington.  
 Virginia: J. L. Phillips, state entomologist, Blacksburg.  
 Washington: H. F. A. Huntley, commissioner of horticulture, Kennewick.  
 Wisconsin: Prof. J. G. Sanders, Agricultural Experiment Station, Madison.

### Changes in the Art and Business of Growing and Handling Seeds.

BY DR. W. W. TRACY.



Among the many changes in commercial practice of the past 20 or 50 years, none have been more marked than those in the seed trade. Formerly most gardeners either saved their own seeds or secured them from some neighbor, much in the way the farmer secures his grain seed today. Buyers of garden seeds were few and the amounts of the purchases small. Today seed buyers are everywhere, ranging from the woman who, though she lives in a three-room apartment on the sixth floor, buys on bargain day five packets of seed for a nickel because "they cost five cents" apiece in the seed store and the clerk said she could



Marshall H. Duryea.

Vice-President American Seed Trade Association.

grow fine radishes and lettuce in a window box," to the trucker who annually buys 1,800 to 2,000 pounds of cucumber seed and one or two hundred pounds of cabbage seed for planting on his own farm. Fifty years ago there was scarcely more than a dozen firms in the United States whose special business was the growing and dealing in seeds. Today the membership of the American Seed Trade Association, limited to those whose chief business is the growing and handling of seeds is over 200 and the members actually engaged to a greater or less extent in the seed business may be numbered by the thousands.

The American Florist Co.'s Directory mentions 98 firms in Illinois, and 171 in New York state, who deal in seeds. In no trade is the art of developing and even creating a demand for their stock more skillfully and successfully practiced than by the seedsmen whose annual catalogues are recognized as among the most attractive of modern commercial publications. These changes in commercial practice,

together with the marvelous growth of our country in numbers and prosperity have resulted in an enormous increase in the bulk and value of seed sold. It is difficult to even estimate the actual amount of this trade, for it is the policy of most firms to keep the actual amount sold and the source of their supply a business secret.

### OLD-TIME IMPORTATIONS.

Fifty years ago the American seedsmen imported the bulk of his stock, growing only a few species and those in limited quantities on his own farms, or those in his immediate vicinity, and under his own personal supervision. Today more than a score of firms, styling themselves seed growers, devote their entire energy to the simple production of seeds, and seeds as "seed" is the most important crop on thousands of American farms. While these changes commenced some 50 years ago they were very slow and small at first, and have not become important until within the past 25 years. We think that the increased rapidity of change was due in no small degree to the work of our national Department of Agriculture, our state experiment stations, and last, but by no means least, to the influence of THE AMERICAN FLORIST, in popularizing and making available to the general public the work of practical growers and dealers as well as that of the scientists connected with public institutions.

Even the discussion of the objectionable features of the congressional free seed distribution and proposed legislation against the sale of poor seed has done much to attract public attention to the importance of quality in seeds. Fifty or even 25 years ago, American grown seed of most vegetables was considered, possibly justly so, quite inferior to European. Today, thanks to the advantages of American soil and climate and the quickness of the American grower to make the most not only of natural advantages but of the knowledge obtained by experience, we produce seed of most vegetables of better quality, in greater abundance, and at less cost than the Europeans, and this to such a marked degree with some species that Europe now looks to us for her supply. Changes in quality, however, have not been more marked than those in quantity.

### SIZE OF ORDERS THEN AND NOW.

The best conception of the magnitude of change in this respect may be got through illustration. Twenty-five years ago a single firm considered 40,000 pounds of cabbage seed ample provision for its yearly trade; today this firm, with no marked increase in the proportion of its business to that of the entire seed trade of the country, provides for over 250,000 pounds of cabbage seed, and whereas 25 years ago it was constantly on its guard against an over supply, today its chief anxiety is that there may be no shortage of crop. Nor is such increase peculiar to cabbage; the same firm's provision for cucumber seed is today over 10 times what it considered ample 25 years ago. Nor is such increase limited to a few firms. Another firm provides for over 20 times as many bushels of peas as it considered ample 25 years ago. So much as to increase in the amount of seed sold.





A SELECTED COMPACT GROWING VARIETY OF HYBRID CAMASSIA. (BURBANK)

As to quality, there is no doubt but that the seed handled today by the best dealers is fully equal or superior in many respects, particularly in cleanliness and vitality, to that of 25 years ago, but its quality as to trueness and uniformity of varietal type, as compared with the better general knowledge of the importance of these qualities, and as to what good seed should be, we fear has not been improved. Our best seedsmen recognize this and even complain that it is now very difficult, if not impossible, to get stock even equal in these respects to that of 10 or 20 years ago. To what is this want of improvement, even possible deterioration, due? We believe that the root of the difficulty is the gradually increasing separation and want of recognition of the unity of interest between the seed dealer and the seed producer, the farmer who actually grows the seed. Fifty years ago the growing of the seed was as much a part of the seed business as the preparation of the catalogue, and the fixing of the price, or the packing of the seed. It is not so regarded today; a large proportion of the seed is actually grown by men with no interest in the art of seed growing but who grow seeds simply as a matter of convenience, and often only because the use of seed for a seed crop is most easily obtained.

#### IMPROVED MACHINERY.

The greatest change in the practice of seed growing has been along the line of the American tendency to reduce cost through the use of improved machinery and by methods which lessen the amount of hand labor. There is also a decided increase in the degree to which seed is produced as a sort of side product of some other industry, and the products of many

fields originally intended for canning find their way to the seedsman. It seems to me that in magnitude the seed trade, at least that in garden seed, has about caught up with the business growth of the country and that its growth in the next 25 years must be far less rapid than it has been in the past, but there is a possibility of a material betterment in the quality of the seed handled and we think this will come through the dealer coming into closer touch and sympathy with the actual seed producer or farmer.

We believe too that there is a possibility of an enormous increase in the amount of farm seeds handled by seedsmen. The importance of the use of pure and well grown seed of a varietal character best suited to the local conditions as a most important factor in determining the profitability of ordinary farm crops is just beginning to be recognized. The growing and using of specially grown farm seed are in very similar condition today to that of garden seed 50 years ago, and we believe that we may expect a corresponding development in the growth of better farm seeds, and that 25, 20, possibly 10 years hence, the wise farmer will no more think of taking his seed grain from the bin or crib than the gardener will now use what is left from his present crop as seed for the succeeding one. If such change in practice should develop, the possible future growth of the seed trade would be almost limitless.

SALEM, MASS.—E. A. Stearns has purchased the Ward greenhouse on North street, and will conduct the business under the firm name of Stearns & Lake.

#### Burbank's Hybrid Camassias.

Camassias are not as much grown as they deserve, being free flowering, perfectly hardy and ornamental plants, fine for the herbaceous border or for cutting. They are natives of the United States and Mr. Burbank has had them in hand some time, his hybrid forms being much improved in length of stem or rather in the number of flowers open at one time on the stem. They are easily propagated by division though not as freely as some other bulbous plants but seed freely and this forms a ready means of increase.

#### Camas.

The genus camassia is represented in the eastern states by a single species, *C. Fraseri*. It seems to be rather sparsely scattered over the region extending from the mountains of Pennsylvania and Georgia to the edges of the great plains. I have found it near the source of the Neasho river in Kansas. This is probably near its western limit. I have never seen a locality in the east where this camas made up any considerable part of the flora; but as soon as one crosses the great divide and begins to descend the Pacific slope the different species of camas begin to be abundant and in some places they make up a large part of the vegetation. Five or six species are found in the west, the most abundant being *C. esculenta*.

In the early days this plant was exceedingly abundant on the prairies of eastern Washington and northern Idaho. Old settlers of Camas Prairie in northern Idaho tell how, when they first reached the summit of Craigs Mountains, the whole magnificent plain lay stretched out beneath them,



blue as a summer sea with these blossoms. Agriculture and herding have driven the camas in large measure from the Clearwater and Palouse prairies. They are now to be found only in fence corners and out-of-the-way places; but farther back in the midst of the forests are many meadows where it still flourishes. These meadows vary in size from an acre to several hundred acres and all are encircled by the dark wall of the forest. Some of the larger meadows have been "taken up" as homesteads and the settlers cut the camas every year for hay. The word camas is derived from the Indian name for the plant. As is usual with primitive peoples the name was not restricted to one kind of plant but was applied to several species which do not belong to the genus *camassia*. One species of brodiaea was called "blue camas" and a certain poisonous *zygadenus* was called "death camas." Camas bulbs formed the chief food supply of some of the Indians of the northwest. They baked them in pits dug in the ground until the bulbs crumbled into a white starchy powder which was their flour. It was the encroachment of the whites upon the "camas grounds" of the Indians which led to the Nez Perce war. It was during this war that the remarkable retreat of Chief Joseph and his followers took place. Encumbered with women, children and baggage, the Indians crossed the Bitter Roots into Montana, then made their way to the National park and turning northward were within a day's march of the Canadian line where they were captured by Gen. Miles. It was only another chapter in the pathetic story of that race which since the coming of the white man has been fighting a losing fight for the land of its forefathers. Many of the captives never saw their native haunts again. They were sent far away to pine away their lives in the fever-stricken hated "hot lands" of the Indian Territory, while they longed for the cold springs and green prairies of their beloved "camas grounds."—*American Botanist*.

#### The Modern Sweet Pea.

The blooming season of sweet peas has been on for a month in California, and by June 1 the novelty trials at the seed farms were ready for a visit. Before beginning to send notes direct from the 1910 trial grounds, I will make this letter from English gleanings that have accumulated since the 1909 season closed. Fully 700 names are now on the sweet pea list. In October's *Gardener* the forecast of novelties for 1910 was made up, and this was largely added to in the special sweet pea number of January 27. It included the respective lists of such introducers as Baker, Wolverhampton; R. H. Bath, Ltd., Wisbach; C. W. Breadmore, Winchester; Wm. Deal, pee & Co., Philadelphia; Wm. Deal, Kelvedon, Essex; Dobbie & Co., Rothsay, N. B.; Gilbert & Son, Dyke, Bourne; Miss H. Hemus, Upton on Severn, Worcestershire; Isaac House and Son, Westbury on Tryon, Bristol; W. J. Uncom, Histon, Cambridge; Watkins and Simpson, Covent Garden, London; Robt. Sydenham, Ltd., Bir-

mingham; G. Stark and Son, Great Ryburgh, Norfolk; E. W. King and Co., Coggeshall, and W. Atlee Burpee, Philadelphia.

There are 29 novelties offered in this list and we can count 30 other specialists not included. Most of these novelties are of the Spencer form, old colors appearing a good deal in improved form or quality. As showing what the nomenclature has grown to, Walter P. Wright's book shows a list of 31 white varieties; 90 varieties of pink, 20 maroon sorts; 43 rose and carmine rose; 24 carmine and scarlet, and so on. And by the way, Walter P. Wright's "Book About Sweet Peas," of 168 pages, is the worthiest production in the literature of this flower. Like his weekly sweet pea notes in the *Gardener*, it is winsome and "heart to heart." One feels like exclaiming, "Has this modest flower come to this!" And yet I predict it will soon be but one of several books that will perpetuate the interest in the sweet pea, and establish its rank. Mr. Wright does not put information into cold type, he puts all the ardor and devotion of his soul into it. The English sweet pea specialists are like lovers pressing their suit. The book is full of the language of it.

But our English friends, every little while, get what is equivalent to a book on sweet peas in the *Gardener*. And these symposiums are made up of the experience and observation of the most practical growers. And such a picture gallery, too! Every enthusiast must needs send a photograph of his results. I am especially impressed with the skillful use of manure, both barnyard and chemical, by these men. I know from experience the danger of over-fertilizing. How to guide rich feeding into strong haulms and not have them branch before they throw their primary blooms. As surely as they turn their excess of feeding into early branches the first buds will blast, and the second and third series of blossoms will show inferior size and quality. I have learned that it is a real science to fertilize such a plant and hold the strength right to its business of get-

ting perfect flowers from the start. The Spencer varieties especially want a skillful hand in this respect. To see giant Spencer blossoms being picked from a step-ladder 12 feet in the air means that the grower has manured liberally. They take pride in this in England.

But even there I notice that a very frequent inquiry in the *Gardener* is, "Why does this and that variety lose its character and come streaked?" My answer would be—unskillful fertilizing that diverts the strength at the blooming period from flower to foliage. Now that our sweet pea season has opened in California I want to speak of the pleasure I felt last week as I looked into the florist's windows at the Ferry house in San Francisco and at the stands on the street corners to see such well-grown stock. And I was glad to see the Spencer blood among them, especially Countess Spencer. The seed of this was harvested in sufficient quantity to supply a liberal trade, and I am hoping the newer Spencers will improve in seeding quality as this has done.

W. T. HUTCHINS.

#### Burbank's Crimson Eschscholtzia.

The California poppy, as *Eschscholtzia Californica* is popularly known, is one of the finest plants for sowing outdoors to make a good display all summer. The colors are variable and good clear rich yellows are very abundant. The one shown in the accompanying picture was raised in California by Luther Burbank and is described as a clear crimson. Such an one should be a decided acquisition to any garden. It was sent out four years ago.

COLUMBUS, O.—The trustees of the Ohio state school for the blind have accepted the bid of John C. Moninger Co., of Chicago, for the construction of a new greenhouse at that institution.

SEATTLE, WASH.—Much interest was taken by this city in the rose festival held in Portland, Ore., June 6 to 11. Many from this place visited Portland and the event was extensively advertised by the local stores.



BURBANK'S NEW CRIMSON ESCHSCHOLTZIA IN BLOOM IN THE FIELD.





A WELL SHELTERED BULB PLANTATION AT OLLIOULES, FRANCE.

### The Land of the Narcissus and Hyacinth.

Ollioules in southern France, between Marseilles and Toulon, above all other points on the Mediterranean littoral, or indeed anywhere else in the world, is incontestably the head center for the culture of the narcissus in the open air. Many of what are commonly supposed to be Dutch bulbs are cradled here in this warm little corner of sunny Provence, sheltered by the alpine foothills and not near the dykes of the low countries. That Ollioules can reproduce so much more abundantly and luxuriantly than elsewhere many varieties of narcissus and hyacinth bulbs is true to such an extent that many of the shippers of Cannes and Nice, as well as growers in Holland, Belgium and Germany, buy this Ollioules product at increased prices over what inferior stock can be produced for at home. This applies to the cut flower traffic as well as to the bulb growing industry.

The bulb industry of Ollioules first took definite form a quarter of a century or more ago. Slowly at first the product came to be known to the outside world, but a decade later the return from the industry was figured in millions of francs—something like \$400,000, to give it a definite form. At Le Pradet, just east of Toulon, on what is practically a "secondary" soil, a well shaded plantation, that of M. le Marchand, one of the most distinguished cultivators of these parts, the two industries of bulb growing and the selling of cut flowers go hand

in hand. The narcissus, because of its rusticity, can be made a success on soil so constituted and situated that conditions would be entirely unsuitable for the hyacinth, which to reproduce, or to give forth its most opulent blooms, requires the best of conditions. The cut narcissus industry and the bulb growing industry are most often distinct. Where the plantation is laid down with the expectation of profit accruing from the sale of the flowers, the sale of bulbs is not taken into consideration. In this case the bulbs are left in the ground several years running. Hereabouts the first year one counts an average of three flowers of a marketable luxuriance to each two bulbs planted, say 375 dozen from 3,000 bulbs planted to each "are" an area of 100 red square metres (approximately 120 square yards). Their value is perhaps 60 francs. The second year a slight increase will take place and the third year, with an average of four flowers to each bulb, the returns may be as much as 150 francs, and in the fifth and sixth years, with an average of six blooms, 50 per cent more, 225 francs.

These results from a plot containing little more than 1,000 square feet gives a gross return of 735 francs per are or 73,500 francs per hectare, which roughly reduced to American equivalents gives a gross return of about \$6,000 per acre (for a period of from five to six years)—at French prices, be it understood, something like 10 to 15 centimes a dozen blos-

soms, two to three cents, from 16 to 20 cents per 100. At the same moment a competitive variety may be selling in New York or Chicago at from \$2-\$3 per 100.

Bulbs planted for blooms, at the end of five years, may be found to have reproduced at least three to each parent bulb, thus returning a working capital of 12,000 bulbs to the are, worth perhaps 10 francs per 1,000, an additional return of 12,000 francs a hectare, \$960 an acre, this item being practically considered a net return. In general the above is thought to be a very satisfactory operation in the department of the Var in the vicinity of Toulon, but there may be instances, especially at Ollioules, where this figure is frequently exceeded. Again, in the Alpes-Maritimes, farther east, about Nice, it may seldom be equaled.

Nowhere may one see such prolific and abundant bulb cultures of narcissi and hyacinths as around Ollioules, towards the coast and up through the famous Gorges, once the haunt of brigands, but now a tourist sight for those hurried travelers, Riviera bound, who have the time and the inclination to linger by the way and who do not acquire their knowledge of France from the guide books and their experiences on this wonderful Mediterranean coast from the race tracks, golf grounds and gaming tables of the Cote d'Azur. On either side one sees blue or yellow rows of blooms stretching away to infinity, hyacinths of the most gorgeous splendor push-



ing forth between two stunted rows of grape vines—which, to make the exchange a fair one, are generally the product of American roots. Hyacinths, narcissi and jonquils jump at your eyes, as the "bons Provencaux" say, whichever way you turn your head hereabouts from December to March. A few square yards of cleared ground, a terraced hillside or a plot of red soil in the midst of a vineyard suffices in many cases the small

which are found on all plantations; indeed, it is a *sine qua non* for the success of any sort of culture in the Midi of France. The narcissus begins to flower here in the open air by the end of December or the beginning of January, and unless they are grown for their blooms alone no special effort is made to force the vegetation, though a part of the blossoms may be picked at a propitious moment, within two or three weeks after

ductions of the costs of gathering and shipping were made, would go a long way towards cutting the cost of the bulbs originally planted. This is a phase, however, that may not be counted upon definitely. Three thousand bulbs planted to the are (300,000 to the hectare, 120,000 to the acre) will give in return bulbs of a marketable dimension (13 centimeters and over) 1,800 to the are, 180,000 to the hectare, 72,000 to the acre.

By comparison French and American figures are as follows: The price per 1,000 being taken commonly at 20 francs, the gross return per are is 36 francs (\$7.20); per hectare (10,000 square meters), 3,600 francs (\$720), and per acre approximately \$288. To these figures must be added the value of the flowers actually sold as flowers, if any, and the value of 120,000 small bulbs suitable for replanting as "reproducteurs," at a value of 10 francs per 1,000, another 1,200 francs per hectare, \$96 per acre. The total gross return is thus brought up to something like \$400 an acre. As to the cost of cultivation, this, though unquestionably a fixed charge, may vary greatly, according to a dry or wet season, the capabilities of the individual grower, and whether he and his family work in the fields (for there are many peasant growers hereabouts), or whether he hires his labor. Certainly this charge is smaller here in southern France than it could possibly be in any part of the United States. Commonly it is figured roundly at 20 francs per are, 2,000 francs a hectare, \$160 an acre. To sum up then: The net return from a hectare of narcissus bulbs, planted as "reproducteurs" in the south of France, is 4,800 francs, minus 2,000 francs of expenses of cultivation, equaling 2,800 francs, which, reduced to American standards, shows a net return of \$224 per acre.

The following figures touching upon the cost of cultivation should prove interesting, though it is obviously true that any estimate of comparative val-

peasant grower. Land is valuable here, such productive soil as this, so well sheltered from the winds of winter and so well warmed by the southern sun. The sloping hillsides are often terraced off in a most remarkable fashion, like a great stairway spread with a marvelously varied "tapis d'orient," to which indeed a bulb plantation in flower may well be likened.

The foundation of the bulb culture of Ollioules rests primarily on the narcissus and the White Roman hyacinth. Half a million planted bulbs are not unusual with many of the individual growers of the region, and again a crop may often not exceed 2-5,000 bulbs. These are seldom sold by the small dealer direct, at least not to foreign buyers, but to the middleman or shipper. A cryptogamic malady has made its appearance here before now and, striking at the root of things, has reduced many a prospective bulb crop of Ollioules to practically nil, but unless the worm, or rot, or drought has got in its deadly work a crop of 150,000 sound bulbs (not counting the smaller ones remaining for replanting) may give a return of 10,000 francs or more from a plot of five acres. Only the largest and finest bulbs are sent out by the most responsible "negociants," those of from 13-15 centimetres and over in circumference.

The narcissus bulbs are planted in the department of the Var late in August or early in September, just before the period of the autumn rains which, if they don't come, make necessary artificial irrigation, the means for

the blooms have first made their appearance, if ruling prices in the Paris or London markets warrant. This is but a side issue, the chief expectation of profit coming from the sale of the bulbs themselves. At the same time according to market conditions a very satisfactory turnover is often made by shipping the flowers (48 bouquets of a dozen blossoms each) if the price of three to five francs can be obtained. The gross return in this case might be anywhere between \$250 and \$500 per acre, which, after the de-



HYACINTHS AND GRAPE VINES AT OLLIOULES, FRANCE.



A BULB GARDEN AT OLLIOULES, FRANCE.





SCENE IN THE FRENCH BULB GROWING DISTRICT.

The Entrance to the Gorges d'Ollioules.

ues affecting France and the United States should take into consideration various conditions which, so far as cultivating costs go, must inevitably be greater with respect to the latter. With the figures before given, the cost of the original planted stock must of course be taken into consideration.

Before planting the soil is turned over to a depth of 18 inches or more before the beginning of winter. The expense of preparing the ground (labor, fertilizer, etc.) being figured at seven francs fifty centimes an are (100 square meters), 750 francs a hectare, \$60 an acre. The actual planting of 300,000 bulbs to the hectare is a matter of 12-15 days' labor 20,000 to 25,000 a day for six men at three francs a day and six women at a franc and a half a day, a total of something between 350-400 francs, which, reduced to acres and dollars, gives approximately \$30 an acre as the cost of planting—at prices for labor obtaining in southern France, it must be recalled. There is, of course, another deadwood expense to be considered, the wear and tear of tools and material, but this is a minimum outlay; and there is the cost of irrigating, if this be necessary, as it is hereabouts. Of 6,000 acres laid down to the floral cultures of the department of the Var in southern France by far the largest area is devoted to bulbs, a comparatively re-

stricted area to perfume flowers (which are distilled for perfumes), and a still smaller extent in immortelles or everlastings.

The narcissus is, of all the flowers cultivated on the French shores of the Mediterranean, the least pretentious in appearance and, in a certain sense, the least appreciated. Nevertheless its culture, both as to bulbs and flowers, tends to augment each year. Among the varieties of the narcissus mostly cultivated are *N. Vrais* and *N. Tazette*, producing a palish yellow bloom of much beauty. They are often grown sheltered by a grove of olive or almond trees or on some well protected terraced hillside overlooking the sea, the open areas, with a stronger sun, perhaps, and a richer soil, being usually reserved for hyacinths. The pseudo narcissus is chiefly represented by the *Trompettes*, which have their central "couronne" much elongated and enlarged, their blooms being invariably the most sought after for effective display, above all in the largest varieties *Trumpet Major*, and in the slightly differing varieties *Grand Monarch*, each oftentimes obtaining the dimensions of the dahlia. *Trumpet Major* at its best is found in the neighborhood of Toulon; in the *Alpes-Maritimes* it is only found to any notable extent on Cap d'Antibes. The "*Trompettes*" are more precocious than any other variety of narcissus, coming

earlier to maturity and lasting much later in the season.

Two other varieties of bulbs are known around Toulon, frequently classed as narcissi, but are still less true narcissi than the "*Trompettes*." They are not seemingly cultivated to any great extent elsewhere and are called "*Campanelle*" and "*Odorante*," names which explain themselves sufficiently not to require further description. For the narcissus and hyacinth alike two methods of planting are common in the region. By the first method the bulbs are planted in "billons" (raised rows, or ridges) approximately two feet apart, each ridge taking two bulbs six or eight inches apart for its entire length. The other method, the more common and simple, is to plant them in straight single rows at a distance from each other in this case of 12-15 inches. By the above reckoning the number of bulbs planted in a given area may vary, but in general, assuming the "reproducteurs" to be but of 11 centimeters in circumference, one arrives readily at the average number of 3,000 to the are, 300,000 to the hectare, 180,000 to the acre.

When the narcissus bulb crop is taken from the ground it commonly has a value to the grower of from 18-20 francs per 1,000, those of and above 13 centimeters in circumference, with somewhat of an augmentation for extraordinarily large sizes,



particularly if there be a shortage of large dimensions, as there has been the last two seasons.

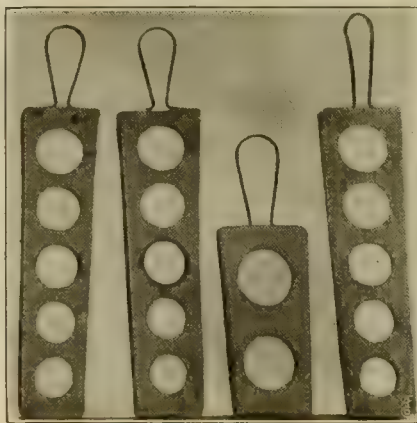
The sizes and prices are determined by a laborious method of sorting by passing the bulbs singly through tin, or zinc gauges, plaques with circular holes of the various dimensions cut therein. This process is universal; not even with the largest shippers, those who ship in millions, have any automatic substitutes been adopted for the hand gauges in use. The method, while reasonably correct in operation, has only to be supplanted by some system of a revolving cylinder like a potato sorter to save a considerable expense of handling. American manufacturers of enterprise should look to this, though they might have hard work at first supplanting the labor of the old women and young girls of Ollioules who live by this work.

It is evident that the question of organization, and the elimination of tedious and expensive hand labor, so far as possible, will do much to reduce the prime cost of cultivation even in France. That there is little or no development along these improved lines is shown by the fact that the prices of the finer varieties are ever soaring upward as the sparks. Here, as in bulb growing Holland, the manual labor is figured at a low cost (often 30-60 cents a day as against \$1-\$1.25 in the United States), but even so it enters largely into the total cost of production—40 per cent of the gross return per hectare. The average return of the narcissus bulbs to the grower here, in 1909, was on the basis of 20 francs per 1,000, whilst the selling prices to dealers were slightly over 20 francs per 1,000 for bulbs of 13 centimeters in circumference, 27 francs for extra sizes, 28.25 francs for those classed as Trumpet Major, and about the same for Grand Monarch.

The business of selling the south of France bulb crop is usually quite distinct from that of growing it. The shipper, exporter, "negociant," or middleman, jobber, whatever you choose to call him, is seemingly a necessity. He collects his supplies from the small neighboring growers, who have not the knowledge, or the ability in most cases, to develop a foreign connection nor to handle the situation financially in the event of their finding a direct outlet. Often the grower is but a mere peasant who does things chiefly by rule of thumb and trusts to the powers above to aid him to earn his livelihood. If his crop is a good one he is happy, though he complains bitterly of the low prices given by the shippers and of the system of selling in "long thousands" (1,050 for 1,000) which the middleman demands, also the system of calibrage, for often his tiny crop, 5-10,000 bulbs, or even less, is sold at 13 centimeters, when 10 per cent will often measure up 15 centimeters and a few hundred perhaps in the "extra" class. This works somewhat to the benefit of the middleman, perhaps, but he demands it as his right to cover him for certain unforeseen con-

tingencies. He acquired the procedure by usage or custom, and he clings to it tenaciously in an effort to keep up with tradition. The grower complains, finally gives his assent and continues in spite of all to do business on this basis.

The narcissus can be made, if occasion demands, to produce its blooms freely, as well out of season as in. The Pacific coast stands the best chance of being able to develop open air bulb growing on a large commercial scale in the United States, but it is not yet a rival of Ollioules in the Var, neighboring upon Toulon in southern France. Will it ever become such? That is what nobody knows. The French grower does not admit that it will. The United States Bureau of Plant Industry says: "Wait and see."



Bulb Gauges Used for Sorting at Ollioules, France.

As Bermuda is at the present time the main source of supply for Easter lily bulbs, so is this prolific horticultural forcing ground on the shores of the Mediterranean the hotbed from which flower lovers in general and bulb dealers in particular draw their chief and best supplies of White Roman hyacinths, Narcissus Grandiflora, Trumpet, Trumpet Major and Grand Monarch. If the ability of the Puget Sound region to produce the high grade narcissus and hyacinth is demonstrated as economically practical it should prove of great value to the eastern trade which has such a great difficulty, and is under such great expense, to produce the finer varieties of bulbs and blooms. The question of the development of the industry by intensive cultivation has no more interesting or encouraging phase than that of bulb growing. Potential possibilities are to be remarked more noticeably than ever before; it is now simply a question of the demonstration of the practical and profitable cultivation of bulbs at home rather than by following that easy line of resistance and buying a "ready made" crop abroad.

M.

FOND DU LAC, WIS.—Bush & Broome will commence at once on the building of four new greenhouses, each 16x100 feet, on Oak avenue.

## THE ROSE.

### Planting Grafted Roses.

ED. AMERICAN FLORIST:

Will you please tell me how to plant grafted roses? Must I sink them under the graft or over? Some tell me to put them two inches under the graft, others tell me not to cover it up.

A SUBSCRIBER.

Cover the point of union in every case to enable the plants to root from the scion. This will be more satisfactory in every way than leaving the union of stock and scion exposed.

G.

### Roses in the South.

The question of carrying roses over a second year is again to the front and many points are made on both sides of it. To my mind the only roses worth trying the second year are Beauties and the hybrid teas. I have never yet seen in the south a two-year-old house of pure teas that in any way approached in results a house of thrifty young plants. Very little drying off is required for the teas. After a slight rest of about two weeks the thin wood can be cut out and the strong shoots shortened a little. Scrape off an inch of the top soil if on benches and two inches if on solid beds, then after a liberal sprinkling of bone meal, replace with a compost of half soil and half manure. A thorough watering can be given after which go slow until the plants show signs of new root action. The operation of lifting the plants and replanting in entirely new quarters is rather a delicate one with often very doubtful results. The Beauties and hybrid teas should have a longer resting period and be more severely pruned before starting up again. Beauties especially we find give better results if cut back to eight or nine inches than when left longer. In the latter case the growths seem to be slender and lack the stiffness and robustness of those from the plants cut well back.

The same treatment can be followed as in the case of the teas, only the hybrid class can be lifted and replanted in new quarters if desired almost with impunity. Frequent spraying and damping down the house is necessary until the plants have made a good start after which normal treatment can gradually be resorted to. It is pleasing to record the satisfactory results that the Pink and White Cochetts and W. R. Smith give as summer bloomers. The full and lasting blooms borne on long canes with bristling foliage are in marked contrast to the washed out half-sized blooms of Bride and Bridesmaid at this season. With a never satisfied demand for good roses during summer it is a wonder growers do not give more room to these varieties. The Cochetts should be allowed to develop to the selling stage before cutting. There is not the least danger of their expanding too far or falling to pieces, but if cut too soon they won't swell out and are very liable to wilt in a short time.

WM. LEAR.



### Planting Young Stock.

Everything should now be in readiness for the planting of the young rose stock. Having suggested the proper preparation of the soil and rose houses to receive the young plants in previous installments, from the writer's point of view, we will take up the question of planting. Grafted plants will require slightly different handling than own root plants from

brought in to pack down to required depth for the grafted or own root plants as mentioned above. If the soil is extremely light it can be packed by treading it down; heavy soil can be firmed sufficiently by hand.

When everything is in readiness for planting the beds can be marked off, using an old sash bar a little larger than the width of the beds. Drive 20-penny wire nails through the bar

20 inches. Four rows of Beauties to a 4-foot 6-inch table; the other varieties, four rows to 4-foot table. We have found this amount of space for the varieties mentioned about right.

Water the pot plants thoroughly before knocking them out and do not attempt to remove the drainage, as it will not do half the harm as to disturb the roots by removing it. Lay the plants out only about as fast as they can be planted, so the roots will not become injured by the bright sun if planting is done on a bright day. Open up the soil with trowels and press it firmly around the balls of the plants. Then level the soil around them. Do not put in too much time firming the soil with the hands as it should be firmed with a tamping stick and a saucer shaped depression left around each plant when finishing up before watering. A good tamping stick can be made from a 2x3 scantling a foot or so in length, with a handle shaped at one end. Do not strike too near the plants when tamping so as to crush the ball.

Plant all grafted stocks so the union will be covered by the soil at least half an inch when the beds have been leveled later on. Water thoroughly in the saucers left for this purpose and only wet the surface of the surrounding soil, as it can be kept fresh for several weeks before pulling it in and around the plants. Stake and tie all grafts as soon as planted and when planting same look out for bad unions; they must be united perfectly or they will die off all through the season. Give the houses a good cleaning up and ventilate rather sparingly for a few days, avoiding draughts.

ROCHESTER, N. Y.—The Florists' Association will hold its second annual show in Convention hall, Nov. 1 to 5. Owing to the success of last year's show it is expected that all the space in the hall will have to be used to accommodate the expected increase of exhibits.



AT THE INTERNATIONAL FLOWER SHOW, PARIS, FRANCE.

Vilmorin, Andrieux & Co.'s Exhibit of Vegetables.

start to finish, requiring in the first place at least five inches of firmly packed soil on the raised benches, or in the solid beds, whereas (excepting American Beauty) own root plants will do better in four to four and one-half inches of soil, this being regulated according to the strength of the plants.

If the soil has been properly prepared it will be finely broken up and should be just moist enough to pack firmly—if too wet it would form a solid mass under pressure, a very undesirable condition. One cannot always have the soil just right in this respect, but if it should be on the wet side have it wheeled in and left to dry out before leveling and packing. On the other hand, if it should be in planting condition, get together as much help as can be managed systematically to do the filling, leveling, etc., as the planting should be finished up as rapidly as possible. Have a man on each side of the tables or beds to level off or to break up any of the coarser material in the soil; this is most important, as when the barrows are dumped the manure has a tendency to run towards the edges, and if the soil should require fining or further pulverizing this is the time to do it. If solid borders are to be filled the drainage should be free, chip stones being preferable to any other drainage, although we have seen clinkers used with good results (not ashes). The drainage should come within five inches of the top of beds for own root, and six inches for grafted plants. Wheat straw scattered over the benches will prevent the soil silting through. For the benches the wood sides should be five inches and six inches respectively, inside measurement, and enough soil should be

the proper distances apart the rows are wanted and a nail to keep the bar in position at the side, then with a man on each side of a bed the four or more rows can be laid off at one time. The distance between the plants in the rows may vary some, according to the habit of the plants, although the following measurements will be found approximately correct. Killarney and White Killarney, 15 inches apart in the rows; Richmond, 16 inches; grafted Bride, Bridesmaid and My Maryland, 18 inches; own roots of the latter varieties, 15 inches; Beauties, from 18 to



AT THE INTERNATIONAL FLOWER SHOW, PARIS, FRANCE.

Portion of Vilmorin, Andrieux & Co.'s Exhibit of Irises, Rhododendrons and Herbaceous Plants.



## N. N. Sherwood.

N. N. Sherwood, president of the National Sweet Pea Society of England, whose portrait we give herewith, is head of the firm of Hurst & Son, the well-known English seedsmen. The following sketch of his life is taken almost verbatim from the Gardeners' Magazine as is the portrait: "Entering the firm as quite a young man, Mr. Sherwood applied himself so diligently to business that he rose rapidly from the ranks, eventually becoming manager, partner and proprietor. Mr. Sherwood has never shirked the responsibilities of life, and this, joined to his business ability, unflinching good humor and broad charity, has placed him in an unique position in the world of horticulture. He was one of the first 60 horticulturists to receive the Victoria Medal of Honor in Horticulture; he has been Master of the Worshipful Company of Gardeners; he has provided horticultural scholarships; he was treasurer of the Royal Gardeners' Orphan Fund until quite recently, and has been succeeded in that office by his son, Edward Sherwood; he has been president of the Nursery and Seed Trades' Association, and until this year, has been treasurer of the National Sweet Pea Society since its foundation, but was recently unanimously elected to the presidency of that body. He is also a trustee of the Gardeners' Royal Benevolent Institution.

Though eminently successful in business, Mr. Sherwood has not forgotten the claims of charity, but the account above does not show that, besides devoting much time to the work of the gardening charities and other good works, he has also given liberally to all of them, and set a splendid example of loving one's neighbor as one's self. His gifts have been princely, and always inspired by a deep sympathy for the needy and helpless. It was Mr. Sherwood who founded the convalescent fund in connection with the United Horticultural Benefit and Provident Society. Mr. Sherwood has enriched our gardens by the introduction, through his firm, of many fine novelties in flowers and vegetables. Fidelity and purity of seed stocks he has always put at a very high standard, and a visit to the trial grounds at Kelvedon and Fering show what great pains and care are taken to maintain that standard."

## Sweet Peas for Christmas.

ED. AMERICAN FLORIST:—

Please suggest four or five varieties of sweet peas to be sown in mixture and when to sow them to be in bloom by Christmas. E. J.

Sow two ounces of seed to 100 feet of row, and thin out as much as necessary when the plants are about six inches high. If sweet peas are wanted for Christmas, sow the seed in well-ventilated houses, not before August 15, nor after August 25. This sowing will bloom from November 1 until April. For the main crop in January or February, sow about September 15. If the best sweet pea flowers are wanted for Easter (April 16 in 1911), sow the first part of November. Christmas Pink, Florence Denzer, Mrs. Alex. Wallace and Christmas Meteor are the best varieties for flowering in winter. Z.

## THE RETAIL TRADE

## Flowers at King Edward's Funeral.

All about the exterior of the chapel were placed magnificent floral tributes from all parts of the kingdom, and the scene on both the north and south sides of the chapel was one of unsurpassed loveliness. Distinguished personages on their way to the chapel paused to look at these magnificent flowers. King Edward VII. was being laid to rest in a bower of flowers, the scent of which filled the air, and the inscriptions on which filled the heart with emotion.

St. George's chapel was literally embowered in flowers. Magnificent wreaths of all sizes and descriptions encircled the ancient building. They continued to arrive until just before



N. N. Sherwood.

President of the National Sweet Pea Society of England.

the funeral service. In the early hours ticket-holders were permitted to view them, and the inscriptions on many of the tributes from the very poorest of the king's subjects were very touching. Lying on the lawn near the south door of the chapel was a simple little cross composed of buttercups, daisies, and blue bells, and the inscription attached read, "A Blind Man's Tribute to His Beloved King." There were wreaths from poor people of the east end, the factory workers of the north, and from almost every class of workers in England.

The Dean's cloisters were almost entirely filled with tokens, the lawns on the south side of the chapel were covered, and from a distance it looked as if there had been a snowstorm the mass of white flowers being enormous. A noticeable wreath here was that of the Eton boys, tied with the familiar light blue ribbons. It is estimated that there were between 5,000 and 6,000 wreaths and that they had cost over £100,000. Some of these tokens of loyal affection were of great size and beauty. They were shaped as wreaths, anchors,

crowns, harps, and horseshoes. To a wreath sent by Lady Swansea are attached these lines:

His race well run,  
His work well done,  
His crown well won,  
Now comes rest.

The Emperor of China sent a very striking tribute of roses, lilies, and laurel leaves, bearing the inscription, in both English and Chinese, "With sincere condolences from his Imperial Majesty the Emperor of China." One wreath was inscribed, "We are bereaved, for the King belonged to us all." Another read, "In loving memory of our dead king, from the poor women and children of Clare Market, Drury lane."

The wreaths from the many regiments of the British army were remarkably fine. The Legion of Frontiersmen sent a beautiful trophy in which figure the Union Jack, the motto "God guard thee," the arms of England, Scotland, Ireland, and Wales, and the four points of the compass.

Just before 11 o'clock troops began to form up in the lower ward. The sun shone out brilliantly, but there was a lovely breeze, and under the shade of the old grey towers the conditions for onlookers were ideal. A sailors' guard of honor marched up to the lower ward and, with a number of Royal marines, lined up near the Horseshoe cloisters. The castle guard also turned out and took up a position just inside the Henry VIII. gateway. At 12 o'clock a fine guard of honor of the Second battalion Scots guards marched to the foot of the steps leading up to the west door of St. George's chapel.—London Daily Mail.

## The New Sweet Pea Corsage Bouquet.

This new style of corsage bouquet is worn on the upper arm, where the long glove finishes, with a ribbon attachment. The corsage is made somewhat flat and molded to fit the upper left arm. This idea was practically demonstrated at a fashionable school closing recently and was wonderfully effective and novel. The "flower march" was led by a sweet girl graduate who had an artistically arranged shoulder corsage made of the new Butterfly sweet pea. It was fastened with tiny pink ribbons, from which showers of the sweet pea fell in tiny clusters. It takes away from the set and trying old style especially at functions where it is not convenient to carry or use the old styles.

This idea can be handsomely carried out for wedding functions. It is pretty with or without the shower attachments. It bids fair to become very popular for balls and dances as well, for it is both practical and artistic, but must be made daintily. The sweet pea foliage is used for a foundation. For the tiny flower girl at the wedding a pretty conception is the flat satin or silk bag carried over the arm with long streamers and covered with a small flower like the forget-me-not, sweet pea, cornflower, etc. Little bunches of the flowers are sewed on the streamers and a loose bunch is tied with a knot and two ends of the ribbon at the foot of the bag.

A. E. KLUNDER.



### Portland's Rose Festival.

Portland, Ore., "the City of Roses," celebrated the greatest and best rose festival ever held in that city (some say in any city) June 6 to 11. Visitors from the whole Pacific northwest poured into the city days before the opening, and the hotels and boarding houses were taxed to the limit. The weather was good throughout the week, the crowds orderly, and as the whole affair was on the generous lines characteristic of the west, it could not have been anything but a pronounced success. Everything was done with true "get-there" western spirit. The feature of the affair was the parade. It consisted of 16 elaborate floats representing "Rex Orgonus," "Miss Portland" and other allegorical figures, and as it was held at night it surpassed in the brilliancy of illumination most so-called electrical shows.

The basket of flowers, the last float in this procession of electrical display, told the story of Portland and the annual festival that has made the city famous. It consisted of an immense woven basket, filled with flowers, from which human rosebuds nodded greetings to the crowd. In front and at the feet of a brilliantly-plumed Chinese pheasant, were four human rosebuds beneath a spray of bluebells, each bowing to the throng of spectators. The basket was surrounded by illuminated roses.

Everything was decorated with a rose motif. Roses, roses everywhere, and from the orderly crowds one is tempted to paraphrase and add, "and not a drop to drink." They were piled in heaps at the depot to welcome the incoming visitors and, until one left the town, everywhere the eye rested there were roses.

Most of the stock used was outdoor grown, yet everyone in the trade reports a landoffice business for the week, as other flowers, especially greens, were called into service, while as a stimulant to rose-culture the festival was of great value to the nurserymen. Everyone, visitor and resident alike, went home vowing to plant some rose bushes or some more rose bushes, as the case might be.

### Dahlia Notes.

For 20 years I have been preaching the same sermon: "If you want the finest blooms in the greatest quantity at the most profitable time, September 15 to October 15, don't plant too early." In earlier years it was blooms for exhibitions, but now, thanks to those exhibitions, it is an established trade in commercial cut blooms. Dahlias fill in nicely that little space between asters and chrysanthemums, and the difference between profit and loss lies in how nearly the whole crop can be had at just the proper time. One of the largest growers boldly advises their customers to plant early; yet they will not plant until June 1 and will finish in July. Thousands have written me of their failures to get blooms and it is usually the same story, of immense plants, abundance of foliage and blighted buds or one-sided flowers. However, after the copious September

rains, new shoots start and the frost nips a promising but belated crop in the bud.

Planted later, they make a harder, sturdier growth and with less foliage use up the moisture available more slowly, bursting into bloom about September 1, with the bulk of the crop at the proper time. Late planting can be carried too far, but June plants always give us the best results. Where dahlias have been planted early, keep the soil loose and absolutely clean.

L. K. PEACOCK.

### Peonies at Vaughan's, Western Springs.

Although the peonies at Vaughan's Nurseries, Western Springs, Ill., were badly hit by the frost there is still a fine display and about 100 dozen per day of fine blooms are being cut. After such an unusual season as the present it is interesting to note the varieties that were damaged the worst and vice versa. The old standby, Festiva Maxima, was hurt perhaps worse than any other and there are few flowers of any consequence being cut. The growth in some cases is also badly damaged and altogether the plants are not doing their duty this time. Jeanne d'Arc is, however, partly making up for the loss of Festiva Maxima. It is a beautiful flower with more color in it than the latter and the shape of the flowers is excellent. Though described as a pale lilac rose the flowers sell in the market as white in the absence of purer white forms and its delicate fragrance is in its favor.

Modeste Guerin is another that is showing up well despite the bad season. This is a typical bomb shaped flower of a pleasing shade of red. A peculiarity we noted about this variety was the freedom with which it flowered on quite small, young plants. Divisions planted out last season have almost every shoot crowned with a very fair flower and if it will do this in a bad season it ought to be something phenomenal in a good one. This also is sweetly scented. Mme. de Verneville is surely one of the finest peonies we have and must be hardy to have come through the season as it has here. The flowers are pure white with a few carmine tips to the petals that relieve the white and give it a most attractive appearance. It is early and excellent in every way. Mme. Breon is another early white with guard petals of shell pink, an attractive combination. This, the true form, should not be confounded with the deep pink variety sometimes sent out under this name. It is of medium size, fine shape and a good vigorous grower.

Among the later varieties that look promising we noted Rubra Superba, which, while not quite up to its usual form, is still good, judging by its present appearance. While one would naturally suppose that the earlier varieties would have suffered worse than the later, the opposite appears to have been the case. As to the condition of the plants this leaves nothing to be desired and owing to the constant attention given by Carl Cropp and his assistants to the selection and roguing the lines of flowering plants are now very true. Mr. Cropp says there will

be more difficulty than usual this year in trueing up the younger rows but he is keeping up the work along this line at every opportunity. The nursery stock here looks well and we noted fine blocks of Koster's blue spruce in good shape. The hybrid sweet briars are in flower now and there are good collections of irises and other herbaceous plants well worth a visit.

### Twenty Years Ago.

JUNE, 1910.

The fifteenth annual convention of the Nurserymen's Association was held in New York.

Severe hailstorms were reported from all parts of the country.

The eighth annual convention of the American Seed Trade Association was held in Saratoga Springs, N. Y.

James D. Reynolds was nominated for horticultural commissioner of the World's Fair by the Chicago Florists' Club.

Work was started on 14 new greenhouses in Lincoln park, Chicago.

Trimming ladies' bonnets with natural flowers was the latest conceit in New York.

Patrick Barry of Ellwanger & Barry died at his home in Rochester, N. Y.

The death of B. S. Williams, famous English nurseryman, author and founder of the Orchid Album, was announced in the AMERICAN FLORIST.

## OBITUARY.

### Dr. Levi Lamborn.

Dr. Levi Lamborn, of Alliance, O., died at his home there, June 14, at the age of 83. He was born in Chester county, Pennsylvania, in 1827, but had resided in Alliance over 50 years. At one time he was a prominent banker and laid out the first allotment of land there for real estate speculation. In 1876 he ran against the late President McKinley for congress, lacking 200 votes of winning. As an orator and writer he ranked among the best in this state, and in later years wrote extensively for magazines and newspapers. He became famous as the author of "American Carnation Culture." The late President McKinley's love for the carnation was developed by Dr. Lamborn, who, while campaigning against the late president in the congressional fight, distributed boutonnieres of carnations. Dr. Lamborn and President McKinley were warm personal friends. Dr. Lamborn's wife, who died five years ago, was a niece of General Grant.

LAWRENCE, MASS.—E. W. Blair is building a greenhouse on Lowell street between Warren and Milton streets.

BRYANTVILLE, MASS.—This place was visited by a severe hailstorm June 7 and considerable damage was done to glass.

GREENFIELD, MASS.—F. I. Yettes will move into the store now being remodeled in the Sheldon block on Main street.

MONONGAHELA, PA.—The I. Shelby Crall Co. has given a contract to the Lord & Burham Co., of New York, for the erection of a new semi-iron greenhouse to be built at once. The new house will be 40x100 feet and will take the place of the present wooden structures. It is hoped to have the house up the early part of July.



# THE AMERICAN FLORIST

1885 TWENTY-FIFTH YEAR 1910

Subscription, United States and Mexico \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only through the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

## Eastern Representatives:

A. F. FAULKNER, 1133 Broadway, New York.  
ROBT. KIPT, 1725 Chestnut St., Philadelphia, Pa.

**THE AMERICAN FLORIST,**  
224 Dearborn St., CHICAGO

**THIS ISSUE 52 PAGES WITH COVER**

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THE illustrated article on "The Land of the Narcissus and Hyacinth," by a correspondent closely in touch with conditions in the French bulb growing districts, will be found of especial interest.

SPECIAL delivery stamps are easily obtained and it is hardly worth while taking the risk of using 10-cent stamps and trusting the postal authorities to divine the fact that it is for special delivery. If "special delivery" is written under the stamp it is all right but it is easier to use the proper form for the purpose.

THE date of Easter next year is April 16, twenty days later than that of last Easter.

"A. K."—We cannot answer the inquiries of correspondents who do not supply their full names and addresses.

PEONY growers would confer a great favor on us and our readers if they would kindly send a list of the varieties that have flowered most freely during the present unusual season, also of those that suffered worst during the inclement weather this spring.

THE schedule of prizes for the twelfth annual exhibition of the Tarrytown, N. Y., Horticultural Society, to be held at the town hall, Irvington, N. Y., November 1 to 3, 1910, has been issued and can be had on application to Secretary E. W. Neubrand, Tarrytown, N. Y.

THE proceedings of the eighth annual meeting of the Chrysanthemum Society of America, held at American Institute, New York, November 10 to 12, 1909, have been published and mailed. It contains President Smith's address, secretary's and treasurer's report, several important papers, and a list of the American varieties disseminated last year. A list of members is also given.

## Personal.

J. A. Valentine will celebrate his fifty-first birthday June 26.

## American Carnation Society.

### CARNATIONS REGISTERED.

By F. Dörner & Sons Co., Lafayette, Ind.: Gloriosa.—(No. 42, '06). Cross between seedlings under number. A magnificent shade of pure light pink. Growth is a true commercial type, early and continuous flowering, excellent stem and calyx. Has a working habit that produces quantities of blooms without a break. Size, 3¼ inches and over.

White Wonder.—White Perfection X Seedling under number; pure white; size, 3½ inches and over. Has all the White Perfection qualities improved, larger flower, stronger stem, stronger growth. Makes nearly double the sized plant in the same length of time, thereby largely increasing its productiveness. A. F. J. BAUR, Sec'y.

## American Gladiolus Society.

The officers of the American Gladiolus Society are extremely busy these days. The large volume of inquiries and requests for membership application blanks demonstrates the great popularity of the gladiolus and the importance and necessity for such a society. The interest in the movement is not confined to America, for two of the great specialists of Europe are among our charter members, and our first meeting at Boston developed a strong sentiment for an international society. There is much encouragement in the fact that the amateurs have taken hold of this movement so enthusiastically. This was evidenced by the large enrollment of amateurs on the charter list of the Boston meeting. Since sending in the list of prizes

offered last week for the Rochester exhibition, the following have been received:

Stumpp & Walter Co., New York, \$10 in gold for the best 12 shades in any variety.

Weeber & Don, New York, \$10 in gold for best 10 varieties, to include Baron Hulot, Princeps, and Contrast, three spikes each.

E. H. Cushman, Sylvania, O., \$5 in gold for best vase of 25 spikes white, any variety.

A. T. Boddington, New York, \$10 in gold; to be decided.

John Lewis Childs, Floral Park, N. Y., \$10 in gold for best collection of gladioli, Childs varieties, three spikes each, to include Attraction, Blanche, Cardinal, and Wild Rose; \$5 in gold for best vase of America, not less than 12 spikes.

I. S. Hendrickson, Floral Park, N. Y., \$5 in gold for best vase of Contrast, not less than 12 spikes.

J. M. Thorburn & Co., New York, silver cup for best collection of Gladiolus Primulinus, type and hybrids, exhibited by an amateur.

A. L. Miller, Brooklyn, N. Y., \$5 in gold for best display of pink and white varieties; three spikes each of at least six varieties.

F. R. Pierson, Tarrytown, N. Y., \$10 in gold; class to be decided later.

L. MERTON GAGE, Sec'y.

## Society of American Florists.

### THE ROCHESTER TRADE EXHIBITION.

The following is a list of the entries made for exhibits at the Rochester convention, August 16-19, received by Manager Vick to June 17:

|                              |                           |
|------------------------------|---------------------------|
| The Advance Co.....          | Richmond, Ind.            |
| S. A. Anderson.....          | Buffalo, N. Y.            |
| Chas. D. Ball.....           | Philadelphia, Pa.         |
| H. Bayersdorfer & Co.....    | Philadelphia, Pa.         |
| Wm. J. Boas & Co.....        | Philadelphia, Pa.         |
| B. S. Blake.....             | Rochester, N. Y.          |
| Arthur T. Boddington.....    | New York                  |
| Brown Bros. Co.....          | Rochester, N. Y.          |
| The E. C. Brown Co.....      | Rochester, N. Y.          |
| John Lewis Childs.....       | Floral Park, N. Y.        |
| Climax Mfg. Co.....          | Castorland, N. Y.         |
| Arthur Cowee.....            | Berlin, N. Y.             |
| Robert Craig Co.....         | Philadelphia, Pa.         |
| Henry A. Dreer.....          | Philadelphia, Pa.         |
| Ellwanger & Barry.....       | Rochester, N. Y.          |
| H. Eichholz.....             | Waynesboro, Pa.           |
| Chas. Eble.....              | New Orleans, La.          |
| The Foley Mfg. Co.....       | Chicago                   |
| Benj. Hammond.....           | Fishkill-on-Hudson, N. Y. |
| George E. Hart.....          | Rochester, N. Y.          |
| The Herenden Mfg. Co.....    | Geneva, N. Y.             |
| A. H. Hews & Co.....         | Cambridge, Mass.          |
| Jackson & Perkins.....       | Newark, N. Y.             |
| Kessler Bros.....            | New York                  |
| King Construction Co.....    | N. Tonawanda, N. Y.       |
| Kroeschell Bros. Co.....     | Chicago                   |
| George A. Kuhl.....          | Pekin, Ill.               |
| Lager & Hurrell.....         | Summit, N. J.             |
| Henry F. Michell Co.....     | Philadelphia, Pa.         |
| Morehead Mfg. Co.....        | Detroit, Mich.            |
| S. S. Pennock-Meehan Co..... | Philadelphia, Pa.         |
| M. Rice & Co.....            | Philadelphia, Pa.         |
| Reed & Keller.....           | New York                  |
| Julius Roehrs.....           | Rutherford, N. J.         |
| Schloss Bros.....            | New York                  |
| Shaw Fern Co.....            | Pittsfield, Mass.         |
| Syracuse Pottery Co.....     | Syracuse, N. Y.           |
| Stumpp & Walter Co.....      | New York                  |
| Vaughan's Seed Store.....    | Chicago and New York      |
| Vick & Hill Co.....          | Rochester, N. Y.          |
| James Vick's Sons.....       | Rochester, N. Y.          |
| Wertheimer Bros.....         | New York                  |
| Wilson-Hoyt Co.....          | New York                  |

## Meetings Next Week

**Baltimore, Md., June 27, 8 p. m.**—Gardeners and Florists' Club of Baltimore. Florists' Exchange hall, St. Paul and Franklin streets.

**Cleveland, O., June 27, 7:30 p. m.**—Cleveland Florists' Club, Progress Hall, 2610 Detroit avenue.

**Lake Forest, Ill., June 29, 8 p. m.**—Horticultural Society of Lake Forest. Council chamber, city hall.

**Lake Geneva, Wis., July 2, 8 p. m.**—Lake Geneva Gardeners' and Foremen's Association, News building.

**Pasadena, Calif., July 1, 8 p. m.**—Pasadena Gardeners' association, Board of Trade rooms, West Colorado street.

**San Francisco, Calif., July 2,**—Pacific Coast Horticultural society.



## Wants, For Sale, Etc

**One Cent Per Word, Cash with Adv.**

**For Plant Ads., See Ready Reference Section.**

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

**Situation Wanted**—By experienced seedsman; steady position.  
C. V. ALLEN,  
Shenandoah, Iowa.

**Situation Wanted**—By an all-round practical florist on retail place where general stock is grown, 20 years' experience; reference; address  
E. W., 1025 N. 22nd St., St. Joseph, Mo.

**Situation Wanted**—By a first-class grower of carnations and roses; all-around greenhouse man of good character and ability to grow good stock. Address  
Key 138, care American Florist.

**Situation Wanted**—By florist, German; good in general leading stock; an all-around man, sober and industrious; seeks position around Pittsburg or New Jersey. Address  
Key 141, care American Florist.

**Situation Wanted**—An experienced man wishes to give a year or more of his services in the floriculture or horticulture business in exchange for a part interest in same. WILLIAM HILLMAN,  
104 N. Hill St., South Bend Ind.

**Situation Wanted**—To take charge of the growing of cut flowers and plants on an up-to-date place near Portland, Ore., by July 15; expect fair wages; have had 15 years' experience in this country in most any line of the trade inside and out of doors; capable of handling help; middle-aged single man; sober and honest. Address  
Key 140, care American Florist.

**Help Wanted**—Rose growers to work under foreman. Apply  
WIETOR BROS., 51 Wabash Ave., Chicago.

**Help Wanted**—A rose grower to work in rose sections; state wages without board.  
COLE BROS., Peoria, Ill.

**Help Wanted**—Three experienced potters; give references. VAUGHAN'S GREENHOUSES,  
Western Springs, Ill.

**Help Wanted**—For greenhouse work; three or four good potters. Apply to  
BASSETT & WASHBURN, Hinsdale, Ill.

**Help Wanted**—Gardener for Beauty section; \$15.00 per week to start; married man.  
Key 142, care American Florist.

**Help Wanted**—A man who understands the growing of general bedding plants and 'mums'.  
JOS. P. HAUCK,  
2619 Waterman Ave., Carrick, Pa.

**Help Wanted**—Two nurserymen who are honest and industrious; wages \$2.50 per day; steady employment and advancement if satisfactory.  
DEVILS LAKE NURSERY, Devils Lake, N. Dak.

**Help Wanted**—Greenhouse engineer for steam fitting and light boiler repairs; wages, \$14 per week; steady employment; married man preferred.  
Key 129, care American Florist.

**Help Wanted**—At once a man with 3 or 4 years' experience as an all-around helper on a place of 2500 feet of glass devoted all to flowers, carnations and roses mostly. State wages wanted in first letter.  
EDWARD TATRO, Salina, Kans.

**Help Wanted**—Carnation foreman to take entire charge of place; one that knows how to obtain the best results and can handle help. Give reference and state particulars and wages expected in first letter.  
N. ZWEIFEL, North Milwaukee, Wis.

**Help Wanted**—A good general greenhouse man to work under foreman, growing of roses principally; steady position and good wages to a sober, industrious, competent man; 11 miles from Philadelphia; no one without the above qualifications need apply. Key 135, care American Florist.

**Help Wanted**—A young married man to work as second under manager in greenhouses; one who has had a number of years experience, especially in growing roses for cut flowers and also who has had some experience in growing orchids; give references and write  
WRIGHT'S FLOWER SHOP,  
224 W. 4th St., Los Angeles, Calif.

**Help Wanted**—A first-class seed man, with experience buying and selling all kinds of seeds and competent to manage a first-class city store. State fully your experience and where, nationality, salary you have received and expect, and give references. A good opening for the right man; preference to one who will invest \$2,000 to \$10,000. Give full information in first letter. Address  
THOS. SNOWDEN,  
111 Winston St., Los Angeles, Calif.

**For Sale**—Furman boiler, size A 83; capacity, 8,000 square feet; used one winter; good as new; am going to enlarge plant.  
CARL F. BREHMER, Chillicothe, Ohio.

**For Sale**—Good greenhouse in one of the most desirable towns, in excellent location; three railroads, making good shipping center; a snap.  
Apply to WM. BALLARD, Perry, Iowa.

**For Sale**—80-acre farm, 17 miles from Chicago, five blocks from station, sidewalk out to farm, switch track, good soil. Ideal location for greenhouses. Address  
FRANCIS A. BECKER, Des Plaines, Ill.

**For Sale**—Two second-hand hot water boilers in a first-class condition; one for 6,000 and one for 6,500 lineal feet of 4-inch pipe.  
SUPERIOR MACHINE & BOILER WORKS,  
840-850 W. Superior St., Chicago.

**For Sale**—We are changing our heating system from hot water to steam, and offer for sale 3,500 feet of 4-in. cast iron pipe, taken apart mostly in 20-ft. lengths, in good condition, at 7c per foot;  
KRING BROS., Fairbury, Ill.

**For Sale**—Sunnyside Greenhouses, one of the best florist businesses in Michigan; 22,000 ft. of glass, 6 acres of land; if you have the capital, it's a money maker; city of 10,000, with best shipping facilities. Address  
JNO. S. SCHLEIDER, Owosso, Mich.

**For Sale**—2500 sq. ft. of glass in good Colorado town of 5000; have trade from five surrounding towns; 100x568 ft. of ground, good house, barn and a lot of small fruit; will sell cheap for cash; must leave on account of business in another state.  
Key 139, care American Florist.

**For Sale**—A mail order and retail seed business well established, and well equipped; mailing list of 35,000 names in Kansas and adjoining states; 15,000 of these actual buyers last season; splendid opportunity for a man with a small capital.  
ZIMMERMAN SEED CO., Topeka, Kansas.

**For Sale or Rent**—40,000 square feet of glass, in good location; needs partial rebuilding; rent accordingly, or will sell at reasonable price.  
Key 460, care American Florist.

**Wanted to Rent**—Greenhouse property by next October or November.  
Key 999, care American Florist.

## WANTED.

**Seedsman capable of earning \$1000 per year.** State fully your experience in seed business. Address  
Key 494, care American Florist.

## WANTED

Rose growers; men capable and experienced in growing American Beauties in sections; good wages and desirable positions.

**HELLER BROS.,** New Castle, Ind.

## WANTED

Young man with thorough ornamental nursery stock training. Splendid opening for right party. Must furnish the best of recommendation. Address

**Elm City Nursery Co.,** New Haven, Conn.

## WANTED

A competent grower with brains, energy and some capital (I to furnish balance) to engage with me in flower and plant business. Prosperous, growing town upwards 20,000 and several good near-by towns. No competition in 100 miles. Climate unexcelled.

**THOMAS SLOAN,** Greenville, S. C.

## NURSERY FOR SALE.

We desire to sell our nursery and devote our time to our orchard property; will sell the nursery with or without land it is growing on; main nursery at Fullerton, branches at Riverside and Corcoran, Cal.; will sell collectively or singly or will divide the nursery and sell either the fruit tree or ornamental department. For information write **Orange County Nursery & Land Co.,** Fullerton, Orange County, Cal.

## Jeffries and Johnson

Are going to fight. So am I. But I'll fight in a different way. They are going to fight with their fists. I am going to let my ability fight for the man who wants to hire me, or for the man who wants me as a partner. Who am I???? I am an All-landscape gardener, with a lifetime experience; know all about trees, shrubs, perennials, pot plants, etc.; know how to sell nursery stock; take large contracts and handle any number of men to advantage; in short I am what you call a landscape gardener, and can show it. Want to change present position. In case of a good proposition I have a little money, too; so, gentlemen—nurserymen or florists, what can you offer me?

Key 143, care American Florist.

# Trade Directory for 1910

**T**HE AMERICAN FLORIST COMPANY'S Trade Directory for 1910, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 570 pages, including complete lists of the Florists, Seedsman and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

## American Florist Company

324 Dearborn Street, CHICAGO, ILL., U. S. A.

Contains 570 Pages **NOW READY.** Price \$3.00 Postpaid



# WIETOR BROS.

51 Wabash Ave., CHICAGO

Wholesale Growers of Cut Flowers

## CURRENT PRICE LIST

| BEAUTIFIS              |  | Per doz.       | JARDINE, (finest pink rose) select..... |                | Per 100 | KAISERIN                         |               | Per 100          |
|------------------------|--|----------------|-----------------------------------------|----------------|---------|----------------------------------|---------------|------------------|
| Long stems.....        |  | \$3 00         | JARDINE, medium.....                    | \$3 00 to 4 00 | 4 00    | Special.....                     |               | \$3 00 to \$4 00 |
| 30-inch stems.....     |  | 2 50           | BRIDE, select.....                      |                | 6 00    | WHITE KILLARNEY....              | 3 00 to 8 00  | 6 00             |
| 24-inch stems.....     |  | 2 00           | "    medium.....                        | 3 00 to 4 00   | 4 00    | CARNATIONS, fancy...             |               | 2 00             |
| 20-inch stems.....     |  | 1 50           | MAID, select.....                       |                | 6 00    | "    Good.....                   |               | 1 50             |
| 16-inch stems.....     |  | 1 25           | "    medium.....                        | 3 00 to 4 00   | 4 00    | PEONIES, per doz.....            | 75c to \$1.00 |                  |
| 12-inch stems.....     |  | 1 00           | UNCLE JOHN, select.....                 |                | 6 00    | EASTER LILIES.....               |               | 12 50            |
| Short stems.....       |  | 75             | "    medium.....                        | 3 00 to 4 00   | 4 00    | VALLEY.....                      | 3 00 to 4 00  |                  |
| KILLARNEY, select..... |  | Per 100 \$6 00 | RICHMOND, select.....                   | 6 00 to 8 00   | 8 00    | SWEET PEAS.....                  | 1 00 to 1 50  |                  |
| "    medium....        |  | 3 00 to 4 00   | "    medium.....                        | 3 00 to 4 00   | 4 00    | All Green Goods at market rates. |               |                  |

Subject to change without notice.

**ROSES, our selection.....\$3.00 per 100**

The above prices are for select stock. Extra select or inferior stock billed accordingly.  
All other stock at lowest market rates.

## BUY OF THE GROWER

# FOR JUNE WEDDINGS

—AND—  
Commencements

Our stocks are in the finest possible condition for the season.

Carnations and Long-stemmed Beauties are especially good.

## CURRENT PRICE LIST

| American Beauties,     |  | Per doz.                 | Mrs. Marshall Field, select..... |                | Per 100 | Carnations           |              | Per 100          |
|------------------------|--|--------------------------|----------------------------------|----------------|---------|----------------------|--------------|------------------|
| Long stems.....        |  | \$3 00                   | "    medium....                  | \$4 00 to 5 00 | 5 00    | Valley.....          | 3 00 to 4 00 | \$1 00 to \$2 00 |
| 30-inch stems.....     |  | 2 50                     | Bridesmaid.....                  | 4 00 to 5 00   | 5 00    | Peonies, good stock. |              |                  |
| 24-inch stems.....     |  | 2 00                     | Bride.....                       | 4 00 to 5 00   | 5 00    | "    assorted.....   | per doz.,    | \$0 35 to \$0 75 |
| 20-inch stems.....     |  | 1 50                     | My Maryland, select.....         |                | 6 00    | Easter Lilies.....   | per doz.,    | 1 50             |
| 16-inch stems.....     |  | 1 25                     | "    medium.....                 | 4 00 to 5 00   | 5 00    | Callas.....          | per doz.,    | 1 50             |
| 12-inch stems.....     |  | 1 00                     | Chatenay.....                    |                | 5 00    | Asparagus Plumosus,  |              |                  |
| Short stems.....       |  | \$4 00 to \$6 00 per 100 | Ivory.....                       |                | 5 00    | "    extra quality.. | per bunch,   | 50               |
| Richmond, select.....  |  | Per 100 \$6 00           | ROSES, our selection.....        |                | \$3 00  | Fancy Ferns.....     | per 1000,    | 2 00             |
| "    medium.....       |  | \$4 00 to 5 00           |                                  |                |         |                      |              |                  |
| Killarney, select..... |  | 6 00                     |                                  |                |         |                      |              |                  |
| "    medium.....       |  | 4 00 to 5 00             |                                  |                |         |                      |              |                  |

# Peter Reinberg, 35 Randolph St., CHICAGO.

### Chicago.

#### SECOND RATE STOCK A GLUT.

Conditions have certainly been peculiar on the market during the past week. While there have been days when stock piled up to an alarming extent in some houses, other houses have cleaned up well and not at sacrifice figures either. There has been a great glut of inferior stock that has been hard to move at any price, and those who had any kind of an offer for second-rate peonies, carnations or roses were inclined to "let her go" without much consideration. A peculiarity about the peonies this year is their liability to drop their petals upon the slightest provocation or without any provocation at all. Everything that has gone wrong with the peonies this year has been laid to the frost. If they have fallen all to pieces before they reached the customer the frost did it by weakening the petals. The frost prevented their opening some time back and is now responsible for

their opening too quickly. Indeed, if it were not for the frost stories one would feel uncomfortably hot these June days, and it is too bad the growers cannot ring in a frost story to account for the mildew on the roses and the sleepy carnations. The frost has done the greenhouse men some good already this year and it is a pity this reservation has to be made.

Probably never has there been a time when the difference between careful culture and slipshod methods have been more apparent. Growers of roses who early noted the signs of mildew and took precautions against it are rewarded now with fine clean stock which, notwithstanding the present glut, is wanted and sells at a good figure. Others, thinking in May that the season was practically over, disregarded the first signs of this pest, with the consequence that their plants are now overrun with it, and the flowers are practically worthless. It is absolutely useless sending such stock to the

market, as it adds to the troubles of the commission man and has only to be dumped eventually. On the other hand, good stock is selling remarkably well for the season, and is likely to be scarcer during the next few weeks. Beauties from the old plants are not as good as they were, but several growers are getting fine cuts from the young stock planted early. The foliage on these is clean and healthy, the stems of fair length and the flowers clean, bright and of good color. Killarney, as may be expected, is not as good as it was a month ago, still there are many good flowers. Richmond is small and flies open quickly; Chatenay is fair, Perle fair, and Kaiserin and Field very good. Uncle John is still well shown and there are some remarkably good Bride and Bridesmaid still to be seen, as well as a lot of poor flowers. Carnations of good quality clean up fairly well, but there are not too many around. Poor stock in abundance litters up the ice boxes and stores and



# BARGAINS

## Good Fresh Roses

Our selection, in lots of not less than 500, \$15.00 to \$20.00 per 1000

Choice New Large Michigan Ferns, \$1.50 per 1000

No charge for boxes on orders amounting to \$2.00 or over.

## BUY DIRECT OF THE GROWER

### Current Price List

| American Beauties                      | Per doz.       |
|----------------------------------------|----------------|
| Extra long.....                        | \$2 50         |
| 24 36 inch.....                        | \$1 50 to 2 00 |
| 18-inch.....                           | 1 00           |
| 12-inch.....                           | 75             |
| Short stems, per 100, \$3 00 to \$4 00 |                |

| Carnations                             | Per 100 |
|----------------------------------------|---------|
| Fancy red extra long O.P. Bassett..... | \$2 00  |
| Fancy White Enchantress.....           | 2 00    |
| Fancy Enchantress and Winsor.....      | 2 00    |

### Richmonds, Killarney, White Killarney, Kaiserin and Perles.

|                            | Per 100          |
|----------------------------|------------------|
| Extra long and select..... | \$7 00 to \$8 00 |
| Good lengths.....          | 5 00 to 6 00     |
| Medium lengths.....        | 4 00             |
| Short lengths.....         | 2 00 to 3 00     |

| Miscellaneous           | Per 100 |
|-------------------------|---------|
| Lily of the Valley..... | \$3 00  |
| Sweet Peas.....         | 1 00    |

| Miscellaneous                             | Per 100          |
|-------------------------------------------|------------------|
| Asparagus Sprays.....                     | \$3 00 to \$4 00 |
| Asparagus Strings, each.....              | 50               |
| Sprengerl.....                            | 2 00 to 3 00     |
| New Ferns, per 1000.....                  | 1 50             |
| Smilax, very long and heavy, per doz..... | 2 50             |
| Adiantum.....                             | 1 00             |
| Galax, green or bronze, per 1000.....     | 1 00             |

**GOOD FRESH ROSES**, our selection, in lots of not less than 500, at \$15.00 to \$20.00 per 1000

# Bassett & Washburn

Store and Office: 76 Wabash Ave.,

CHICAGO

Greenhouses: HINSDALE, ILL.

does not move except at ridiculously low prices. A few asters are in the market from indoors, but they are too early and will not recoup the growers as long as carnations are so plentiful. Orchids, valley, and small flowers, generally, are in demand and sell fairly well. Sweet peas from outdoors are now plentiful and meeting with fair demand. Gaillardias, irises and cornflowers are to be seen in quantity, but the demand is not brisk. Greens are easier owing to the arrival of large quantities of common ferns. These are soft as yet and many cases are badly heated on arrival. Smilax and asparagus are more plentiful and of better quality than of late.

### NOTES.

A fire at Mons Olson's property on Sixty-first and May streets destroyed a barn and cottage, and it was at first thought that Mr. Olson's automobile was burnt. This, however, proved a false alarm, as it was quite uninjured but on Sunday Mons and a party of friends took in Lake Forest and collided with another automobile which was carrying too many guns for his, with the result that the car had to be left for repairs at Highland Park. The loss to the property at Sixty-first street was covered by insurance.

Among the fine rose stock at Peter Reinberg's during the past week good American Beauties from young plants have been a specialty. The flowers are clean and good in color, the foliage remarkably fine and altogether they are excellent flowers. Other roses are very good for the season. The past season's business up to last week has been away ahead of that of the previous year and shipping trade is keeping up remarkably well.

The stock at Poehlmann Bros. Co.'s



## ORCHIDS

### A SPECIALTY.

Fancy stock for Weddings and all occasions. Also full line of all Cut Flowers, Florists' Supplies, Greens, Wire Work, Etc. Send for Quotations.

**CHAS. W. McKELLAR**

51 Wabash Avenue,  
CHICAGO.

continues to arrive in prodigious quantities and the quality keeps well up to the mark, fine Killarney and White Killarney roses, carnations, valley and orchids being among the choicest offerings on this market. John Poehlmann says they are cleaning up very well considering the time of year, the demand for weddings and school exercises keeping their customers busy.

Wietor Bros. continue to show fine rose stock, the quality of the Kaiserin, Bride and Mrs. Jardine keeping well up. The young stock in the new houses

is making good progress and plant trade has been very brisk.

The Geo. Wittbold Co. reports an extremely busy month with wedding decorations and other work. Fred Wittbold still feels the result of the accident to his arm, but is doing as well as can be expected.

T. B. West, of Perry, O., has been in town during the week. Mr. West is adding to his labors in peony culture by introducing a new strawberry, Roosevelt, which is said to have many good points.



**Send Us Your  
Orders For....**

# Cut Flowers

## For June Weddings and Commencements

**Better Fixed Than Ever. More Growers Than Ever.**

### AMERICAN BEAUTIES

|               | Per doz          |
|---------------|------------------|
| Long stems    | \$3 00           |
| 30-inch stems | 2 50             |
| 24-inch stems | 2 00             |
| 20-inch stems | 1 50             |
| 12-inch stems | 1 00             |
| Short stems   | .75              |
|               | Per 100          |
| Bridesmaid    | \$4 00 to \$6 00 |
| Bride         | 4 00 to 6 00     |
| Golden Gate   | 4 00 to 6 00     |
| Kaiserin      | 4 00 to 6 00     |

|                               | Per 100                         |
|-------------------------------|---------------------------------|
| Richmond                      | \$4 00 to \$8 00                |
| Killarney                     | 4 00 to 8 00                    |
| ROSES, our selection          | 3 00                            |
| PEONIES, good stock, assorted | 4 00 to 8 00                    |
| CARNATIONS, Al stock          | 1 00 to 2 00                    |
| " fancy red                   | 2 00 to 3 00                    |
| Harrisil                      | per doz, \$2 00, 10 00 to 12 00 |
| Gladioli, fancy               | 6 00 to 8 00                    |

|                         | Per 100                |
|-------------------------|------------------------|
| Sweet Peas              | \$ 50 to \$1 50        |
| Valley                  | 3 00 to 4 00           |
| Daisies                 | 75 to 2 00             |
| Adiantum                | 75 to 1 00             |
| Mexican Ivy             | 75 to 1 00             |
| Asparagus, strings each | \$ 50 to \$ 75         |
| Asparagus, bunches each | 35 to 50               |
| Sprengerl, bunches each | 25 to 50               |
| Ferns                   | per 1000, 1 50         |
| Galax                   | per 1000, 1 00 to 1 25 |
| Smilax                  | per doz., 2 00 to 2 50 |

# VAUGHAN & SPERRY

LONG DISTANCE PHONE  
CENTRAL 2571.

52-54 Wabash Ave., CHICAGO.

## FLOWERS FOR JUNE WEDDINGS

### AND SCHOOL COMMENCEMENTS.

To those customers who have been using our flowers right along we need only say that our stock was never in better condition than at present. A word to the wise is sufficient.

To those who are not among our regular customers, we wish to say that there are no better flowers reaching this or any other market than those we are now receiving from our mammoth greenhouse plant.

**Beauties**, long stemmed, medium and short for all purposes. **My Maryland**, **Killarney**, **White Killarney** and **Richmond** roses are especially good and we have extra long stems, 40-inch, fine for graduation bouquets. **Carnations** in all leading varieties. Plenty of fine colored **Enchantress**, **Winsor** and **Lawson**.

Home-grown **Orchids** (Cattleyas) a specialty, **C. Mossiæ** and **C. Gigas** are in full cut and the flowers are especially good. **Greens** of all kinds. **Adiantum** and **Asparagus**.

**POELHMANN BROS. CO.** OFFICE AND SALESROOM:  
33-35-37 RANDOLPH STREET. Chicago,  
LONG DISTANCE PHONE, RANDOLPH 35.

At the J. A. Budlong store good sweet peas from outdoors have been offered all week. The summer roses are in excellent shape and we noted some good, clean white asters.

W. H. Kidwell has purchased a hotel at Eagle lake, 17 miles from Benton Harbor, Mich., and intends to run it this summer. His family will spend the summer there.

Peonies are being handled in immense numbers at J. B. Deamud Co.'s store, also large consignments of new stock common and fancy ferns.

Besides some extra quality roses in variety Zech & Mann are showing fine stocks, sweet peas and extra good *Gladiolus Brenchleyensis*.

J. B. Deamud and Fred Hunt and wife paid a visit to Western Springs on Sunday to look over the peonies at Vaughan's Nurseries.

E. F. Winterson celebrated his forty-second birthday June 21, with full ceremony.

### "The Busiest House in Chicago"

**I**F you are unable to move your stock of cut flowers these hot days advertise in the local papers and when you want more at the right price you can get fresh, well-packed and well iced from

## J. B. DEAMUD CO.

51-53 Wabash Ave.,

CHICAGO

John Kruchten has been handling extra good Bride and Bridesmaid roses from the greenhouses of Emil Nelson, Morton Grove.

In addition to fine roses and carna-

tions, Hoerber Bros. are making quite a specialty of good Spanish irises.

Allie Zech has returned from Minneapolis and is again assisting his father in the store.



# Cut Flowers E. H. HUNT

FOR ALL OCCASIONS.  
FLORISTS' SUPPLIES TOO.

— SEND FOR PRICE LIST. —  
76 Wabash Avenue, CHICAGO.

## KYLE & FOERSTER,

W. P. KYLE.

51 Wabash Ave.,

CONSIGNORS SOLICITED.

Wholesale Florists.

L. D. Phone  
Randolph 3619.

JOSEPH FOERSTER

CHICAGO

## KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., Chicago  
L. D. Phone, Central 466.

We will have anything in the line of  
**CUT FLOWERS and GREENS**  
that you may want if anybody has it, at  
Chicago market prices on day of shipment.

## A. L. Randall Co.

19-21 Randolph St.,  
CHICAGO.

L. D. Phone Central 1496. Private Exchange  
All Departments. If you do not receive our  
price list regularly send for it.

Bassett & Washburn report the shipping trade keeping up remarkably well. White roses have been in especially good demand including Bride and Kaiserin. The former is likely to be shorter here, 30,000 plants having been thrown out. Geo. Heidenrich of the shipping department here is to be married Sunday, June 29, to Miss Elfrida Prillwitz at St. Anne's. Joseph Elreich, shipping clerk here, is to be best man.

Chas. A. Samuelson, 2132 Michigan avenue, on Monday, with two assistants, began decorations for a wedding at Lake Geneva, Wis., which took place on Wednesday. Two thousand peonies and 50 strings of asparagus were used. Mr. Samuelson also stated that he has been very busy with funeral and graduation work during the past month.

H. Natzke, 2336 West Nineteenth street, who some time ago had his left leg amputated at the knee, is more or less troubled with the limb the past few months. Owing to this, the greater part of the work is taken care of by Mrs. Natzke, although Mr. Natzke assists in the greenhouses as much as possible.

The names of J. A. Mendel, 1424 West Twelfth street, tenth ward, and Alderman Peter Reinberg, of the twenty-sixth ward, have appeared in the papers for places on the county ticket. Mr. Reinberg is placed under the county treasurer head, while Mr. Mendel's place is not mentioned.

Emil Jelik, 5037 Ashland avenue, reports business as rushing. He states that he may go back in the wholesale business in some suburban district. His wife has been sick for some time and for this reason he wishes to re-

## J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and  
Carnations  
A Specialty.....

WHOLESALE  
GROWER of

## CUT FLOWERS

## E. C. AMLING

THE LARGEST,  
BEST EQUIPPED,  
MOST CENTRALLY LOCATED  
WHOLESALE  
CUT FLOWER HOUSE  
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,  
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

## Wholesale Flower Markets

| CHICAGO, June 22.              |       |            |
|--------------------------------|-------|------------|
| Roses, Beauty, extra select... | 3 00  |            |
| " " specials.....              | 2 50  |            |
| " " 36 in.....                 | 2 00  |            |
| " " 30 in.....                 | 1 50  |            |
| " " 18 in.....                 | 1 25  |            |
| " " 15 in.....                 | 1 00  |            |
| " " Short.....                 | 50@   | 75         |
| Per 100                        |       |            |
| " Bride, Bridesmaid, select... | 3 00@ | 8 00       |
| " " medium.....                | 2 00@ | 2 50       |
| " Killarney, select.....       | 3 00@ | 8 00       |
| " " medium and short.....      | 2 00@ | 2 50       |
| " Mrs. Jardine.....            | 3 00@ | 8 00       |
| " Chatenay.....                | 2 00@ | 6 00       |
| " My Maryland.....             | 2 00@ | 6 00       |
| " Perle.....                   | 2 00@ | 6 00       |
| " Richmond.....                | 3 00@ | 8 00       |
| " Uncle John.....              | 3 00@ | 8 00       |
| " White Killarney, select..... | 4 00@ | 8 00       |
| " " medium.....                | 2 00@ | 3 00       |
| Carnations, select fancy.....  | 1 50@ | 2 00       |
| Cattleyas.....per doz..        | 4 00@ | 6 00       |
| Lilium Harrisii.....per doz..  | 2 00  | 8 00@10 00 |
| Lily of the Valley.....        | 2 00@ | 4 00       |
| Mexican Ivy.....               | 75@   | 1 00       |
| Peonies.....per doz..          | 25@   | 50         |
| Sweet Peas.....                | 50@   | 1 00       |
| Adiantum.....per 100.          | 75@   | 1 50       |
| Asparagus Plum, strings, each. | 60@   | 75         |
| " " sprays.....                | 3 00@ | 4 00       |
| " Sprenger.....                | 3 00@ | 4 00       |
| Ferns.....per 1000.            | 2 00  |            |
| Smilax.....                    | 1 50@ | 2 00       |

move some little distance from the city.

A movement is being made on the west side among the retailers to close the stores at 6 p. m. on Wednesdays and Fridays. Six have already done this for some time and seemed well pleased with the results, no difference being noticed in the receipts.

(OTHER CHICAGO NOTES ON PAGE 1071.)

## WIETOR BROS.

Wholesale Cut Flowers  
Growers of

All telegraph and telephone orders given  
prompt attention.

51 Wabash Ave., CHICAGO.

Mention the American Florist when writing



Mention the American Florist when writing

## HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store 51 Wabash Avenue CHICAGO

Mention the American Florist when writing

## Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO

Telephone, Central 3284.

Mention the American Florist when writing

## Quality Counts..

Let us have your next order for

Roses and Carnations

and other Seasonable Flowers.

JOHN KRUCHTEN,

51 Wabash Ave., CHICAGO.

Mention the American Florist when writing

BE YOUR OWN COMMISSION MAN

—AT THE—

## Flower Growers' Market

60 Wabash Ave., CHICAGO.

A Few Desirable Stands For Rent.

See JOHN SINER, Manager.



## American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

## Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

## Rice Brothers

Wholesale Florists and Supplies,

115 N. 6th St., MINNEAPOLIS, MINN.

Cut Flowers received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities. Mention the American Florist when writing

## THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

## Weiland & Olinger

128 E. Third S., CINCINNATI, O.

Wholesale Growers and Shippers of Cut Flowers.

## William Murphy,

Wholesale Commission  
FLORIST

11 Main Street, CINCINNATI, OHIO.

Indianapolis.

June weddings and commencements have saved the month. The Shortridge high school graduating class had the pink rose for its class flower, and last Wednesday Killarney, Bridesmaid and My Maryland were popular indeed. The palms of nearly every retailer have been working overtime on church and home wedding decorations. During the past week Henry Rieman had every one of his palms out, which of itself shows how large the demand has been. The weather man has turned the hot blast on us so that under glass the thermometer went up to 108° on Friday. This hot weather is putting the finishing touches on the sweet peas under glass. Nearly everyone has started planting chrysanthemums. Brandlein, Nelson, Baur & Smith, Roepke-Rieman Co. and Henry Rieman are about through with this job.

Pahud has bought an Indian motorcycle for quick delivery and collecting purposes. The Pahud Floral Co. will build two new houses during the summer 12x75 feet. One of the houses will be used for violets, while the other one will be filled with ferns and Asparagus Sprengerii. This flourishing concern, contrary to the rule which most others have adopted, will increase its chrysanthemums this year and expects to have six houses for this flower alone.

Baur & Smith's white carnation, Shasta, is holding up fine. They have kept a record of the blooms cut from one bench and have found that this variety has outbloomed all the other

## HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

## Wholesale Flower Markets

| BOSTON, June 22.         |    | Per 100  |
|--------------------------|----|----------|
| Roses, Beauty, best      | 20 | 00@25 00 |
| " " medium               | 15 | 00@20 00 |
| " " culls                | 5  | 00@10 00 |
| " " Bride, Bridesmaid    | 1  | 00@ 4 00 |
| " " Extra                | 5  | 00@ 8 00 |
| " Killarney and Richmond | 2  | 00@ 8 00 |
| " My Maryland            | 1  | 00@ 8 00 |
| " Carnot                 | 2  | 00@12 00 |
| Carnations, select       | 1  | 00@ 2 00 |
| " fancy                  | 2  | 00@ 3 00 |
| Callas                   | 8  | 00@10 00 |
| Cattleyas                | 35 | 00@50 00 |
| Lilium Longiflorum       | 8  | 00@12 00 |
| Lily of the Valley       | 2  | 00@ 4 00 |
| Smilax                   | 12 | 00@16 00 |

| St. LOUIS, June 22.       |    |          |
|---------------------------|----|----------|
| Roses, Beauty, long stems | 15 | 00@20 00 |
| " " medium stems          | 8  | 00@12 50 |
| " " short stems           | 2  | 00@ 4 00 |
| " " Bride, Bridesmaid     | 2  | 00@ 5 00 |
| " Killarney               | 3  | 00@ 6 00 |
| " My Maryland             | 3  | 00@ 6 00 |
| " Richmond                | 3  | 00@ 6 00 |
| Carnations                | 1  | 00@ 2 00 |
| " fancy                   | 2  | 00@ 3 00 |
| Callas                    | 8  | 00@10 00 |
| Easter Lilies             | 6  | 00@10 00 |
| Sweet Peas                | 20 | @ 50     |
| Adiantum                  |    | 1 50     |
| Asparagus Sprengerii      | 2  | 00@ 3 00 |
| Smilax                    | 12 | 50@15 00 |

| CINCINNATI, June 22.           |    |          |
|--------------------------------|----|----------|
| Roses, Beauty                  | 1  | 00@ 4 00 |
| " " Bride, Bridesmaid          | 2  | 00@ 6 00 |
| " " Golden Gate                | 2  | 00@ 6 00 |
| " Killarney                    | 2  | 00@ 6 00 |
| " Richmond                     | 2  | 00@ 6 00 |
| Carnations                     | 1  | 00@ 3 00 |
| Callas                         |    | 10 00    |
| Daisies                        |    | 50       |
| Lilium Longiflorum             | 10 | 00@12 50 |
| Lily of the Valley             | 3  | 00@ 4 00 |
| Peonies                        | 4  | 00@ 5 00 |
| Sweet Peas                     | 50 | @ 75     |
| Adiantum                       | 1  | 00@ 1 50 |
| Asparagus Sprengerii, per bch. | 25 |          |
| Smilax                         | 12 | 50@15 00 |

| MILWAUKEE, June 22.        |          |          |
|----------------------------|----------|----------|
| Roses, Beauty              | 50       | @3 00    |
| " " Bride, Bridesmaid      | 3        | 00@ 8 00 |
| " Killarney                | 3        | 00@ 8 00 |
| " Richmond                 | 3        | 00@ 8 00 |
| Carnations                 | 1        | 00@ 3 00 |
| Callas                     |          | 15 00    |
| Lilium Giganteum, per doz. |          | 1 50     |
| Lily of the Valley         |          | 4 00     |
| Magnolia                   |          | 35       |
| Peonies                    | 2        | 00@ 5 00 |
| Snapdragon                 | 3        | 00@ 8 00 |
| Sweet Peas                 | 250      | @ 75     |
| Adiantum                   |          | 1 50     |
| Asparagus                  | 50       | @ 60     |
| " Plumosus, per bunch      | 35       | @ 50     |
| " Sprengerii               |          | 35       |
| Boxwood                    |          | 25       |
| Ferns, Fancy               | per 1000 | 2 50     |
| Galax                      | per 1000 | 1 50     |
| Smilax                     | per doz. | 1 50     |

varieties. This year Baur & Smith are going into callas a little heavier than ever before, putting in two benches instead of one.

The big chrysanthemum show will come off without a doubt in the fall. A guarantee fund of \$2,000 is being raised without much difficulty. The show committee held a meeting last Tuesday to make final arrangements concerning the premium list.

## J.M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES  
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Mention the American Florist when writing

## H. G. BERNING,

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

## C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

## WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Both L. D. Phones. Supplies and Everything in Season always on hand

The fellow who has been selling flowers on the sidewalk opposite Brandt's finds that the weather is too hot to allow him to keep any stock and now sells only peanuts and candy.

Adolph Baur reports that several in the trade here expect to attend the meeting of the Northern Indiana Florists' Association at Winona Lake this summer.

At the funeral of Chas. Volrath there appeared a choice collection of pieces sent by the several firms for whom he worked.

Albert J. Pittet will take a trip through the west about July 1.

A. W. B.

TERRE HAUTE, IND.—H. J. W. Richmond will move his greenhouses July 1, from his present quarters at 1462 Chestnut street to the southeast corner of Sixteenth and Beach streets.



Business Hours During the Summer Months 7 a. m. to 6 p. m.

Maryland, Kaiserin,  
\$5.00 to \$10.00 per 100.

Maids, Brides, \$4.00 to \$8.00  
per 100.  
For shipping they are the most desirable roses  
at this time of the year.

Sweet Peas

75c to \$1.00 per 100.

We always have them in quantities. All colors  
—excellent quality.

Extra Good Dagger Ferns

\$1.00 per 1000.

Bronze and Green Galax,

\$7.50 per case.

THE LEO NIESSEN CO.. Wholesale Florists, 1209 Arch Street, Philadelphia, Pa.

Pittsburg Florists' Exchange,

CATTLEYAS

A SPECIALTY

Home grown Cattleyas a specialty. This  
stock is much superior to that shipped  
from other points, and we can furnish you  
absolutely fresh Orchids at any time at  
reasonable prices.

Gladioli, Peonies, Roses, Beauties,  
Carnations, Sweet Peas.

All Seasonable Flowers at the Right Price.

Green and Broze Galax 65c per 1000

15 Diamond Square, PITTSBURG, PA.

Mention the American Florist when writing

Philadelphia.

BUSINESS GOOD.

A terrific burst of hot weather has  
followed heavy storms of rain and  
hail and there is general discomfort.  
Business is very good for the season,  
however, and whether it blows hot  
or cold it does not matter much to  
the busy man. There are quantities  
of flowers, but the quality is retro-  
grading fast, all the local stock par-  
ticularly being affected by the heat.  
A welcome addition to the assort-  
ment was Iris Kaempferi, which  
makes a great showing in the win-  
dows and is useful for decorative  
work. Shakespeare and America  
gladioli are seen in fine form and  
are much used for decorative work.  
White roses have been in very good  
demand, as has also valley, there  
being a number of weddings and  
funerals that called for the best.  
Dorothy Perkins rose sprays, with  
their wealth of beautiful pink blos-  
soms, are much in demand for wed-  
ding decorations. New York called  
for a large shipment for the Roose-  
velt-Alexander wedding, which used  
up some thousands of sprays. Tues-  
day last was American Beauty day in  
this city, it being the commencement  
day of the girls' high school, on which  
occasion each of the graduates car-  
ried a bunch of one dozen or more  
of these roses. This made a great  
demand and used up all the flowers  
in sight. At McKissick's they had a  
great run on their eastern stock,  
which is still in fine shape.

Rambler roses are now at their  
best and the beauty of the surround-  
ings to the dwelling whose porches,  
fences or arbors have been planted  
with these roses is very greatly en-  
hanced. This class of plant should  
be pushed by the retail growers,  
those who both grow and sell their  
stock. Examples of each variety  
should be planted at vantage points  
about the place, which, when in  
flower, would make a great showing  
and help materially in creating sales.  
Many new things are introduced to  
the trade year after year, some with  
merit and others without. If it was  
the practice to demonstrate their pos-  
sibilities in such a way the good  
things would remain to advertise  
their usefulness and prove a source  
of profit, and the worthless would not

OUR SUMMER CUT OF

Beauties, Kaiserins, Killarneys

Is now on. This stock will please you.

McCALLUM CO.,

937  
Liberty Ave.

Pittsburg

Pittsburgh Cut Flower Co.,

Wholesale Florists and Growers,

The House that has and sells good goods at fair prices.

Salesrooms, 222 Oliver Ave.

PITTSBURGH, PA.

Wholesale Flower Markets

| PHILADELPHIA, June 22.     |             | Per 100 |
|----------------------------|-------------|---------|
| Roses, Beauty, extra.....  | 20 00@25 00 |         |
| "    first.....            | 10 00@15 00 |         |
| "    Brides and Maids..... | 4 00@ 6 00  |         |
| "    Tea.....              | 4 00@ 6 00  |         |
| "    extra.....            | 8 00@10 00  |         |
| Carnations.....            | 2 00@ 4 00  |         |
| Callas.....                | 8 00@10 00  |         |
| Cattleyas.....             | 40 00@50 00 |         |
| Lilium Harrisii.....       | 8 00@10 00  |         |
| Lily of the Valley.....    | 4 00@ 5 00  |         |
| Mignonette.....            | 3 00@ 4 00  |         |
| Peonies.....               | 3 00@ 6 00  |         |
| Snappdragons.....          | 4 00@12 00  |         |
| Sweet Peas.....            | 50@ 1 00    |         |
| Adiantum.....              | 75@ 1 00    |         |
| Asparagus.....per bunch 50 |             |         |
| Smilax.....                | 15 00@20 00 |         |

| PITTSBURG, June 22.             |             | Per 100 |
|---------------------------------|-------------|---------|
| Roses, Beauty, special.....     | 12 00@15 00 |         |
| "    extra.....                 | 8 00@12 00  |         |
| "    No. 1.....                 | 4 00@ 6 00  |         |
| "    Bride, Bridesmaid.....     | 2 00@ 6 00  |         |
| "    Chatenay.....              | 2 00@ 6 00  |         |
| "    Killarney.....             | 2 00@ 6 00  |         |
| "    My Maryland.....           | 2 00@ 6 00  |         |
| "    Richmond.....              | 2 00@ 6 00  |         |
| Carnations.....                 | 1 00@ 2 50  |         |
| Callas.....                     | 6 00        |         |
| Cattleyas.....                  | 40 00@50 00 |         |
| Gardenias.....                  | 15 00@20 00 |         |
| Gladioli.....                   | 4 00@ 8 00  |         |
| Lilium Longiflorum.....         | 6 00@10 00  |         |
| Lily of the Valley.....         | 3 00@ 4 00  |         |
| Pansies.....                    | 50@ 1 00    |         |
| Peonies.....                    | 3 00@ 6 00  |         |
| Primroses.....                  | 50@ 75      |         |
| Sweet Peas.....                 | 25@ 50      |         |
| Adiantum.....                   | 1 50        |         |
| Asparagus Sprengeri, per bunch, | 50          |         |
| "    strings...per string,      | 50          |         |
| "    sprays...per bunch,        | 50          |         |
| Smilax.....                     | 15 00       |         |

long be allowed to encumber the  
place.

A wedding of interest was cele-  
brated on Wednesday, June 15, when  
Edward C. Dungan was married to  
Miss Parry, both of this city. After  
their trip the couple will reside in  
this city. Mr. Dungan is president of  
the Noll Seed Co., of Newark, N. J.,  
but still makes his home here, trav-  
eling to and fro each day to his place  
of business.

K.

STRAWBERRY POINT, IA.—Fred Ullman  
has removed here from Edgewood,  
bringing his greenhouses. He will also  
build a new house, 43x83 feet.

San Francisco.

TRADE QUIET.

Owing to the fact that the schools  
are closed and many families are away  
on their summer vacations, business,  
as a rule, is very dull in the city now.  
The retailers will, more than likely,  
experience this lull in business for  
some few weeks to come, but as they  
have completed what has been a very  
successful season, they can now well  
afford to take a much needed and well  
deserved rest. The supply of good  
flowers is scarce, but steady enough  
to meet the demands of business un-  
der present conditions. Roses are  
very scarce and the season of the Eas-  
ter lily is about over.

NOTES.

The Pacific Coast Horticultural So-  
ciety held its second monthly outing  
last Sunday, and were the invited  
guests of Henry Maier, who has the  
entire charge of Dr. H. Tevis' beau-  
tiful home in San Mateo. The recep-  
tion given the members by Mr. Maier  
was indeed very cordial, and one that  
will be remembered for some time to  
come. The members were also shown  
through the grounds of W. H. Crocke,  
in San Mateo, where the same hospi-  
tality was extended them by Wm  
Eldred.

The florists and growers of this and  
the Bay cities will hold their annual  
picnic next month at Santa Cruz. It  
is expected by the committee in  
charge that they will have a record  
attendance, as many new features in  
the way of entertainment will be held.

The flower show committee is work-  
ing hard to make the floral exhibit a  
grand success. Its attentions are now  
directed principally towards obtaining  
suitable prizes for the exhibitors, and  
their efforts along this line have been  
very successful.

Mr. Morris, of the Morris & Snow  
Seed Co., of Los Angeles, was in the  
city for a few days this week. He re-  
ports the seed business in the south-  
ern portion of the state good.

F. Luedemann has sold the Pacific  
Nursery at Baker street to Henry  
Kempf, and his place at Millbrae to  
his son, A. Luedemann.

ARTUS.



## New York.

## TRADE SLOW.

The business of the past week was rather slow, with a reaction for the better on Saturday morning, June 18. On the afternoon of that day the city and vicinity was swept by a terrific storm, wind, hail, rain, thunder and lightning all playing a part. At this writing, we have not learned of any damage to greenhouse property on Long Island, but trees were uprooted and in some instances struck by lightning, causing the death of several persons. Fourteen are known to be dead as a result of the storm, and it is probable the list will be increased, several small boats being as yet unaccounted for. All this happened after the weather prognosticators had given out that there would be a fine day for Col. Roosevelt's homecoming. However, the "Roosevelt luck" won out. The storm never touched him. The reception was over and he was on his way to Oyster Bay before it broke over the city. Stock is overplentiful and cheap. Roses, carnations, sweet peas and lilies, particularly the latter, are all in surplus.

June 20.—There is no improvement in the condition of the market. The weather is fair and warm, with a tendency toward a surplus of stock.

## NOTES.

Among the retailers of this city the event of the day has been the decoration at the Fifth avenue Presbyterian church, executed by Wadley & Smythe, for the wedding of Miss Eleanor Alexander and Theodore Roosevelt, Jr. Over the chancel there were three beautiful arches of Dorothy Perkins roses, the altar being decorated with white roses and lily of the valley on a ground of *Asparagus plumosus nanus*. Tall palms were in the background. The galleries were hung with garlands of mountain laurel and the pews were marked with bunches of lily of the valley. The scheme was very effective and was executed under the personal supervision of F. W. Smythe.

On the night of June 18, Horace E. Froment, one of the well-known wholesalers, entertained several representatives of the horticultural press at a dinner. When a choice selection of the good things of this life had been disposed of, all adjourned to Thurm's bowling alleys. In three games, Mr. Froment, who is a New Yorker, born and reared, showed the boys the benefit of early training, although he has not of late kept in practice. Vice-president Manda, who, we learn, is looking for bowlers to take to Rochester, might drop in and see Mr. Froment.

The members of the Astoria bowling team with their wives attended a play at the Broadway theater on the afternoon of June 18, after which all adjourned to Shanley's where a sumptuous repast was served. Those present were: John Donaldson and wife, Philip Einsman and wife, Philip F. Kessler and wife, Wm. H. Siebrecht, Sr., and wife, Wm. H. Siebrecht, Jr., and wife, Henry Siebrecht, Peter Jacobson and wife, Herman Lorenz and wife, and Doehefer and wife.

Don't forget the Florists' Club outing on June 28. Also attend the Greek-American Florists' Club outing on July 7. The Greek-Americans, when they get up an entertainment have the happy faculty of showing everybody a good time.

A. Moltz & Co. contemplate extensive enlargements and improvements

## ANNOUNCEMENT.

We beg to announce that on and after July 1, 1910, the premises on the first floor of the Coogan Bldg. will be under the management of **A. Moltz & Company**, who will sell at wholesale only, all flowers in season in addition to roses.

A. Moltz

Maurice L. Glass.

**A. MOLTZ & COMPANY, Wholesale Florists,**

Tel. 2921 Madison Sq. Open from 5 a. m. to 6 p. m. Coogan Bldg., 55-57 W. 26th St., New York.

in their place of business in the Coogan building at an early date.

We learn that a prominent Philadelphia firm talks of soon opening a wholesale store in this city.

## Baltimore.

The turn has come, and the wintry weather is replaced by sultry airs and a rising thermometer which already marks near 90°. Sunday was practically the first wholly clear day for months and old Sol tried himself. After so much cloudy and damp weather the effect on the growing plants was very perceptible and they wilted badly for a time. Receipts of carnations are naturally falling off, but the supply of roses keeps up, and many, although somewhat soft, are of good size and texture, the cool temperatures being favorable to them. Sweet peas are still coming in in quantity, and gladioli and hardy stock are in moderate supply. The commencement season is practically over, and with unusually large classes in the popular schools, the demand was pretty fair all around, the inquiries on Tuesday, Wednesday and Thursday practically absorbing all the really good stock in the market. June weddings continue, but as the month advances they are growing fewer and this source of business activity is about exhausted. From now on the main source of trade will be found in funeral work and the never-failing business done for the hospitals. These are items which vary somewhat, but practically never cease.

## NOTES.

It has been determined to hold a summer session of the Maryland State Horticultural Society on July 28, at the nurseries of J. G. Harrison, at Berlin, Worcester county. Reading of papers, discussions of the topics suggested thereby, excursions to the seashore, etc., will take up the time, and arrangements are being made for a large and interesting meeting. Richard Vincent, Jr., is the president this year, and with his well-known activity a stirring time may be expected.

The bedding plant trade has not been a very satisfactory experience this year, the variable and unseasonable season discouraging planters, especially the amateurs, but some of the public squares and parks shows extra good work, very creditable to the designers and executors, and, thanks to the many showers, unusually advanced for the date.

The pulling out of roses and carnations seems, as a rule, later this season than usual, owing assumedly, to the cool spells, which have so long prevailed. From now on there will be few idle days, and the prospects are that tearing out, filling and planting will strike a season of somewhat torrid heat.

Fred'k. C. Bauer is building two new houses this summer of modern construction. Albert Fiedler will put up a carnation house, 20x100; James Hamilton, Mt. Washington, will add one more to his already large number of houses, 24x100, intended for asparagus.

A team of our bowlers goes down Wednesday for a match with the Washington Florists' Club team.

S. B.

## Grand Rapids, Mich.

This spring so far has been most uncertain and disagreeable; it is in a class by itself. March was one of the most delightful months and up to about April 15, when it changed to cold, rainy weather, which continued almost uninterrupted until about June 10; but despite the fact of the cold and backward spring, the volume of business done far exceeds that of other years. Everything was cleaned up, and especially geraniums. A great many more boxes and baskets were called for than other years, and the factories have been beautifying their places very largely with bright beds of cannas, salvias, geraniums and many have planted shrubbery. The factory planting has been encouraged for some years by prizes being given by the newspapers and board of trade, which has been very encouraging so far in that line.

## NOTES.

N. B. Stover, superintendent of the floral department of the Grand Rapids Greenhouse Co., resigned his position June 2 and will hereafter be located in Terre Haute, Ind., having bought out the retail cut flower store of Otto Heintz at 113 South Sixth street. For the present he will buy his output, but will build houses a little later on.

Henry Smith will rebuild several of his old houses this spring and make them modern. He has the largest crop of peaches that he has had for many years, all due to spraying at the right time, and, being on high ground, his strawberry crop was hurt considerably by the late frosts.

L. Bruin Slots, who has been in the hospital for the past six months and who has had his leg amputated in three places, the last being a very successful operation, has returned to his home. He is improving very fast and will go through the balance of life with one leg.

Eli Cross is planting very largely on double violets for next season, and will return to his former hobby, which was a marked success many years ago. He has also planted two houses of roses, mostly Killarney.

A farewell will be given N. B. Stover and wife on June 29 by the Odd Fellows and Rebekahs of western Michigan. Mrs. Stover is treasurer of the Rebekah Assembly of Michigan and also a past president.

Jas. Schols will plant about 10 houses of his favorite crop of single and double violets. Mr. Schols intends making a trip to Europe a little later in the season.

Nick Luth has leased the greenhouses at the corner of Dickenson and Madison avenues and will grow flowers and vegetables. We wish him success.

Alfred Hanna & Sons have had one of the most successful seasons and have planted out about two acres of carnations in the field.

Wm. Cunningham reports a very good season, with everything cleaned out.

B. S.



# Young & Nugent,

Telephone 2065-2066 Madison Square.

42 West 28th Street, New York  
To out-of-town florists  
We are in the Heart of

And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

## Trade Directory

—OF THE—

UNITED STATES AND CANADA.

PRICE \$3.00. POSTPAID.

American Florist Co., 324 Dearborn St., Chicago

# Traendly & Schenck,

WHOLESALE FLORISTS,

131 & 133 WEST 28th ST  
Phones: 796 and 799.

NEW YORK.

**Alexander J. Guttman,**  
**THE WHOLESALE FLORIST OF NEW YORK**  
34 WEST 28th STREET,  
PHONES, 1664-1665 MADISON SQUARE  
**ENOUGH SAID.**

# J. K. ALLEN,

Commission Dealer in Cut Flowers,  
106 West 28th Street, Near 6th Ave. Elevated Station, NEW YORK  
Established 1887.

Consignments of Cut Flowers handled to best advantage. Your business relations always appreciated.  
Prompt returns. Weekly payments to all shippers.

Telephone 167-4468 Madison Square.

Open at 6 a. m. every day.



Give us a Trial  
We can Please you.

Roses, Carnations and all kinds o.  
Seasonable Flowers in Stock.

**WM. F. KASTING CO.** Wholesale  
Commission Florists.  
**BUFFALO, N. Y.**  
Florists' Supplies and Wire Designs.

Mention the American Florist when writing

## August Millang

WHOLESALE FLORIST

41 W. 28th St., NEW YORK

Mention the American Florist when writing

## N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.

Open for Cut Flower Sales at 6 o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

**V. S. DORVAL, Secretary.**

Mention the American Florist when writing

—FLOWERS SHIPPED BY—

## P. J. SMITH,

Are the best product of the best growers for the New York market.

Adiantum Croweanum sold here exclusively.

49 West 28th St., NEW YORK

Telephone 1998 Madison Square.

ATCHISON, KANS.—The Manglesdorf Bros. Co. has leased its greenhouses to H. E. Mitting and the change goes through July 1. While giving up the greenhouse end of the business, Messrs. Manglesdorf will continue their retail store.

## Wholesale Flower Markets

NEW YORK, June 22.

|                                    |             |
|------------------------------------|-------------|
| Roses, Beauty, special.....        | 15 00@20 00 |
| .. extra and fancy.....            | 6 00@8 00   |
| .. No. 1.....                      | 4 00@5 00   |
| .. No. 2.....                      | 1 00@3 00   |
| .. Bride, Bridesmaid, special..... | 3 00@4 00   |
| .. extra and fancy.....            | 2 00@3 00   |
| .. Killarney, special.....         | 4 00@5 00   |
| .. extra and fancy.....            | 2 00@3 00   |
| .. No. 1 and No. 2.....            | 75@1 00     |
| .. My Maryland.....                | 1 00@5 00   |
| .. Richmond.....                   | 50@6 00     |
| Carnations.....                    | 50@2 00     |
| Callas.....per doz.,               | 50@75       |
| Cattleyas.....                     | 25 00@40 00 |
| Gardenias.....per doz.,            | 75@2 00     |
| Gladiolus.....per doz.,            | 50@1 00     |
| Lilium Longiflorum.....            | 2 00@3 00   |
| Lily of the Valley.....            | 1 00@2 50   |
| Mignorette.....per doz.,           | 20@50       |
| Peonies.....per doz.,              | 50@75       |
| Sweet Peas.....per doz. bunches    | 50@75       |

BUFFALO, June 22.

|                                |             |
|--------------------------------|-------------|
| Roses, Beauty, special.....    | 20 00@25 00 |
| .. fancy.....                  | 15 00@20 00 |
| .. extra.....                  | 10 00@15 00 |
| .. No. 1.....                  | 7 10@10 00  |
| .. No. 2.....                  | 2 00@4 00   |
| .. Bride, Maid, Killarney..... | 8 00@10 00  |
| Carnations.....                | 1 50@2 50   |
| Callas.....                    | 6 00@8 00   |
| Daisies.....                   | 5@1 00      |
| Iris.....                      | 1 50@2 00   |
| Lilium Longiflorum.....        | 8 00@12 00  |
| Lily of the Valley.....        | 3 00@4 00   |
| Mignorette.....                | 1 00@2 00   |
| Peonies.....                   | 3 00@5 00   |
| Sweet Peas.....                | 5@1 00      |
| Adiantum Croweanum.....        | 1 25@1 50   |
| Asparagus Str.....             | 50@60       |
| Ferns.....per 1000.            | \$1 50      |
| Galax, green and bronze.....   | 1 50        |
| Smilax.....                    | 15 00       |

## ALFRED H. LANGJAHR

WHOLESALE FLORIST,

55 W. 28th Street, NEW YORK.

All flowers in season. Consignments of first-class stock solicited.

Phones 4626 and 4627 Madison Square.

## Gretsch & Ordonez Bros.

WHOLESALE FLORISTS

52 W. 28th St.,  
Telephone 3357 Mad. Sq. New York City

High Grade Orchids always on hand. We have room for good growers. Prompt and full returns.

**Always** mention The American Florist when you order stock. :::

## Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 736  
Madison Square. NEW YORK.

Mention the American Florist when writing

## HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty. Roses, Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square

Mention the American Florist when writing

## Walter F. Sheridan

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

131 & 133 West 28th St., NEW YORK.

Mention the American Florist when writing

## KESSLER BROS.

450 Sixth Ave., NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS,

Phone 2336 Madison. Shipments Everywhere. Prompt and satisfactory. Consignments solicited. Mention the American Florist when writing

## M. C. FORD

Successor to FORD BROS.

Receivers and Shippers of **FRESH FLOWERS.**

121 West 28th St., NEW YORK.

Telephone 3870-3871 Madison Square



**George Cotsonas & Co.**Wholesale and Retail Dealers  
in all kinds of**Evergreens**Fancy and Dagger  
Ferns, Bronze and  
Green Galax, Holly,  
Leucothoe Sprays,  
Princess Pine Etc.We ship to all parts of United States and Canada.  
127 W. 28th St., bet. 6th & 7th Aves. New York  
Telephone 1202 Madison Square.

Perpetuated and Natural Sheet

**MOSSSES**New Crop Ferns, Fancy and Daggers  
NOW READY, Price \$1.25 per 1000.

E. A. BEAVEN, Evergreen, Ala.

We Issue to Members a

**CREDIT LIST**

With Quarterly Supplements. The list now contains between 7,000 and 8,000 names. Membership fee, \$10.00 including privilege of obtaining unlimited number of commercial ratings at cost.

We also collect accounts at standard rates.

National Florists' Board of Trade, 56 Pine St., NEW YORK

Boston.

**WEATHER HURTS BUSINESS.**

The remark of the lamented Mark Twain, to the effect that, whatever happened in New England, there was always plenty of weather, has been amply justified of late. Figuratively speaking, there has been weather to burn, but in reality you could not burn it if it was saturated with kerosene, it was so dull, damp and sticky. The effect on business has not been good, but the past week was much better than the preceding one. Graduating exercises called for a considerable amount of stock and it is expected that much more for the same purposes, will be in demand this week, therefore, the trade, in general, is feeling reasonably cheerful. It is recognized as a fact that the dark and cool weather has greatly benefited the trade. It has held back stock and brought much of it to market in better condition than it would have been had the weather been generally warm. Prices are much better than they were this time last year and there are experienced dealers who say that they are better than they have been for the past five years. This is encouraging and goes to show that the claim that this is a horticultural center is well founded. Good Kaiserin roses have, within the past week, sold as high as 15 cents each, but the stock that brought such a price was exceptionally fine with very long stems. Good carnations have sold readily for two or three cents. Unless there is a great change in weather conditions, it looks as though there will be a thorough clean up of everything that is any good this week.

**NOTES.**

June 17, "Bunker Hill day," was generally observed as a holiday, but patriotic holidays bring no profit to the florists. Practically all the stores, both wholesale and retail, closed by 1 p. m. In addition, it was a very disagreeable day. When there was not pouring rain, there was a heavy "Scotch mist."

Henry Robinson and William Penn, —no relation of the late William of Pennsylvania—went to Lake Minnesanka recently on a fishing trip. By some miscalculation the bait gave out early in the day and thereafter Henry used frankfurters. He says that hereafter he will use no other.



FANCY.



DAPPER.

**Henry M. Robinson & Co.**

Wholesale Commission Florists.

**Cut Flowers** of all kinds, Hardy Cut Evergreens and Florists' Supplies.

New Crop Dagger and Fancy Ferns ..... \$2.00 per 1000  
Bronze and Green Galax ..... \$1.00 per 1000; 8.50 per 10 000  
Leucothoe Sprays ..... \$1.00 per 100; \$7.50 per 1000

Southern Wild Smilax, Branch Laurel, Laurel Festooning,  
Green and Sphagnum Moss, Boxwood Sprays,

A large stock constantly on hand. Can fill orders at a moment's notice, Telephone or telegraph.

Telephones: 2617-2618 Main; Fort Hill 25290.  
15 Province Street and 9 Chapman Place,

**BOSTON, MASS.****FANCY FERNS, \$1.25 per 1000**

New Crop Galax, Bronze or Green ..... \$1.25 per 1000; 10,000, \$7.50  
Sphagnum Moss, large bales ..... \$1.25; 6 bales, \$7.00. Extra fine  
Leucothoe Sprays, Green and Bronze ..... \$1.00 per 100; \$7.50 per 1000  
Boxwood ..... per bunch, 35c; 50-pound case \$8.50  
Log Moss, in barrels for hanging baskets ..... \$2.00 per barrel

Florists in the Middle and Western States can save money  
by placing their orders with us. A trial order solicited.

**MICHIGAN CUT FLOWER EXCHANGE, Inc.**

Wholesale Commission Florists and Florists' Supplies,

38-40 Broadway,

All phone connections.

**DETROIT, MICH.**

Galvin has a beautiful window display of a miniature lake filled with water lilies, with an electric fountain in the center. The background is of tall white lilies, the lake being bordered with grasses and small ferns.

Wax Bros. have a continuous window display of the finest stock in the market. The arrangement is frequently changed, but it is always artistic and attractive.

Patrick Welch celebrated Bunker Hill day at his country home, Old Orchard, leaving David and Edward to run the big store.

P. L. Carbone is hustling around and getting everything in good shape before leaving for his annual European trip.

Thos. J. Clark has had continued success since he opened his store at the corner of Boylston and Berkley streets.

At all three of his stores, Massachusetts avenue, Cambridge and state street, Hoffman is doing a good business.

John McFarland, North Easton, continues to bring in excellent stock of gardenias and Pres. Carnot roses.

Edward MacMulkin's store never looked finer than it does at present. He always has the goods.

All the boys who attended are enthusiastic over their recent trip to Wm. Sim's, Cliftondale.

Andrew Christensen, of Stoneham, is bringing fine carnations to market.

Pierce Bros., Waltham, are sending in very fine gladioli.

**Lowell, Mass.**

The florists of this city show evidence of increasing prosperity. This is as it should be, as great advancement has been made along other business lines in recent years. It is gratifying to state that the craft has been generally recognized as having among its members the men best fitted to carry on the work of beautifying the city. H. B. Greene, a well-known grower and retailer, has for several years been a park commissioner. In addition to this he is now president of the board of trade. Chas. Whittet, a member of a family of well-known florists, has, through successive city administrations, been continued in the office of superintendent of parks.

**New Crop Ferns****FANCY and DAPPER ready May 1st.**Special price for large orders  
Price \$1.25 per 1000.**CALDWELL THE WOODSMAN CO.,**  
**Evergreen, Alabama**

Business has been very fair of late, graduating exercises and funeral work calling for a large amount of stock.

**NOTES.**

It will please many who were intimate friends of the late Edwin Shepard to learn that the place where he spent a large part of his long life has been taken in hand, greatly improved and will be known as the Shepard Gardens Carnation Co. P. J. Riley, a local capitalist and an old-time friend of Mr. Shepard's, has taken the place, made great improvements and is now growing carnations on an extensive scale. S. H. Narlitz, formerly of Syracuse, N. Y., is the efficient foreman.

On June 16, Jas. J. McManmon furnished fine floral decorations for the graduating exercises at Notre Dame academy. The event must have been doubly pleasing to Mr. McManmon as his brother, Rev. Thos. P. McManmon delivered the graduating address to the young ladies.

The range formerly conducted by Chas. Marshall is now known as the Marshall Avenue Greenhouses. Owen J. Mechen is manager and James O'Leary is foreman. Mr. Marshall, we learn, is now a resident of Dedham and has engaged in farming on a large scale.

One of the notable figures in the business of this city is the head of the firm of Whittet & Co. Though now well advanced in years he is hale and hearty and does a man's work at anything in the florist line, from growing to designing and decorating.

Morse & Beals, who succeeded to the business of the late Geo. Patten, recently executed a large amount of very high class funeral work. Mr. Morse, of this firm, is a very fine designer.

Whittet & Co. have been very busy furnishing flowers for graduating exercises, many out-of-town orders having been filled. They are also doing a large amount of landscape work.



## DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.

**Wittbold**  
FLORIST

739 Buckingham Place,  
L. D. Phone 558 Lake View.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Cincinnati, O.

**JULIUS BAER,**

138-140 E. Fourth St.  
Long Distance 'Phone.

San Francisco, Calif.

**J. B. BOLAND**

Successor to Sievers and Boland  
**FLORIST**

60 KEARNEY STREET.

Kalamazoo and  
Battle Creek, Mich.

**H. A. FISHER CO.**

Wholesale and Retail Florists.  
We Handle Everything in Season.

Milwaukee, Wis.

**C. C. Pollworth Co.**

Will take proper  
care of your orders in **Wisconsin.**

Buffalo, Niagara Falls, Lockport.

**S. A. Anderson,**

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled  
promptly with the choicest stock.

JOLIET, ILL.—A. C. Rott has been under the weather for several days of late suffering from a severe cold. He has suffered from loss of voice, being unable to use the telephone, and he is still far from well. Albert is not a very good patient for the doctors and all wish him a speedy recovery.

LOS ANGELES, CALIF.—The Los Angeles Civic Association petitioned the board of supervisors, June 13, to appoint a county board of forestry of five members, two of whom shall be women. It has been brought out that a new state law which authorizes the appointment of a forestry board, also authorizes the board to appoint a county forester at a salary not to exceed \$150 a month. The petition is under advisement.

Washington,  
D. C.

14th and M Streets.

Also

1601 Eutaw Place,

**Baltimore, Md.**

**Alexander McConnell,**

571 Fifth Ave., Windsor Arcade,

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL.  
Western Union Code.



FROM NEW YORK EXCEPT AS NOTED.

June 28.

Rotterdam, Holl.-Amer., 10 a. m., Hoboken Pier.  
Kronprinz Wilhelm, N. Ger. Lloyd, 10 a. m., Hoboken Pier.

FROM BOSTON, Zeeland, White Star, 3 p. m.

June 29.

Lusitania, Cunard, 9 a. m., Piers 54 and 56, North River.  
Adriatic, White Star, 11 a. m., Piers 60 and 61, North River.  
Bluecher, Ham.-Amer., 10 a. m., Hoboken Pier.

FROM QUEBEC, Empress of Britain, Can.-Pacific, 3:30 p. m.  
FROM BALTIMORE, Rhein, N. Ger. Lloyd, 2 p. m., Pier 9, Locust Point.

June 30.

Italia, Anchor, Pier 64, North River.  
La Savoie, French, 10 a. m., Pier 42, North River.  
Prinz Friedrich Wilhelm, N. Ger. Lloyd, 10 a. m., Hoboken Pier.

FROM MONTREAL, Ionian, Allan.

July 1.

FROM MONTREAL, Corsican, Allan, 3 a. m.

July 2.

Caledonia, Anchor, 2 p. m., Pier 64, North River.  
Philadelphia, American, 10 a. m., Pier 62, North River.  
Finland, Red Star, 11 a. m., Pier 59, North River.

Arabic, White Star, 2 p. m., Piers 60 and 61, North River.  
Cretic, White Star, 12 noon, Piers 60 and 61, North River.

Deutschland, Ham.-Amer., 1 p. m., Hoboken Pier.  
Prinzess Irene, N. Ger. Lloyd, 11 a. m., Hoboken Pier.

FROM MONTREAL, Corinthian, Allan, daylight.

FROM PHILADELPHIA, Merion, American, 10 a. m., Pier 54.

FROM MONTREAL, Dominion, White Star-Dom., daylight.

Brooklyn, New York.

**“WILSON”**

3 and 5 Greene Ave. and 339 to 347 Greene Ave  
Greenhouses: Short Hills, N. J.

— Deliveries in —

NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

Indianapolis, Ind.

**Bertermann Bros. Co.**

FLORISTS

.....241 Massachusetts Ave.



WASHINGTON

D. C.

**Gude's**

Omaha, Neb.

**Hess & Swoboda**

FLORISTS,

1415 Farnum St.

TELEPHONES  
1501 and L 1553

Denver, Colo.

**The Park**  
**...Floral Co.**

J. A. VALENTINE, President.

Washington, D. C.

**Geo. C. Shaffer,**

== FLORIST ==

Phone 2416 Main 14th & Eye Sts., N. W.  
Write, Telegraph or Telephone.

Washington, D. C.

**GEO. H. COOKE**

FLORIST

Connecticut Avenue and L Street.

New York.

**MYER, FLORIST,** 609-611 Madison Ave.  
Phone 5297 Plaza.



# DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

## Kansas City, Mo.

Geo. M. Kellogg Flower and Plant Co.,  
906 GRAND AVE.

KANSAS CITY and PLEASANT HILL, MO.  
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

Mention the American Florist when writing

## Terre Haute, Ind.

John G. Heintz & Son,  
129 South Seventh St.

Telephone 247.

We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

## Pittsburg, Pa.

A. W. SMITH CO.

KEENAN BLDG.

Largest Floral Establishment in America  
Established 1874. Incorporated 1909.

## Rochester, N. Y.

J.B. KELLER SONS,

FLORISTS.

25 Clinton Avenue, N.

Rochester Phone 506. Long Dis. Bell Phone 218

## St. Paul, Minn.

L. L. MAY & CO.

Order your flowers for delivery  
in this section from the

## LEADING FLORISTS OF THE NORTHWEST.

## Anderson, S. C.

THE ANDERSON FLORAL CO.  
583 MARSHALL AVE.

MICHIGAN. Orders will be carefully  
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

## Salt Lake City.

The usual summer quietness prevails at the retail stores, giving the hard working store people a chance to breathe and have some recreation. From all indications the retailers have had a very prosperous season. The Sanders Granger Floral Co. has only been in business about 18 months. Its business increased to such an extent that an automobile has been added to the livery recently. W. W. King is planning a new store building to accommodate his growing business. The Ault brothers of the Huddart Floral Co. have just finished an apartment house that will give them a neat income. Chas. Soder, who manages the floral department of the Walker Dry Goods Co., has just closed a deal for a valuable ranch in the Strawberry valley; that is not speaking bad for a city of less than 100,000 people that supports 17 flower stores and more than half of the stock is shipped in from adjoining states. Among the

## New York.

Established 1874.

DARDS

N. E. Corner 44th St.  
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

growers we find everything in fine shape and everyone seems to be ahead with his work for this time of the year. We have had an unusual drought, not having any rain for nearly four months, but this has not affected the florists much, as they all depend on irrigation. It has been bad for the dry farmers. Mr. Barber, of Centerville, who has been growing sweet peas for this market for several years, is building a large house to grow these and chrysanthemums for the winter market. John Reading, the pioneer florist of this state, has a fine lot of sweet peas and other garden flowers that he puts on this market daily. He is located at Centerville.

UINTAH.

## Brampton, Ont.

The most remarkable feature in an extraordinarily successful year's trade has been the volume of business during the present month of June. When the retailers throughout Canada find this so, one may be sure that it is also the case at the Dale Estate, where the packers and office staff have been taxed to their utmost during the past three weeks. Happily for all concerned the quality of roses and carnations has been unprecedented for the time of year, though the quantity has been hardly equal to the enormous demand. W. Jones, for some years with Hooley Bros., Southampton, Eng., now has charge of the orchid section at the Dale Estate and expects great things from his favorites when his present glass area is doubled before the fall of the year. Three large 850-foot houses are now ready for glazing, and will be well stocked with violets before many weeks have passed.

On turning over one of last year's issues of the AMERICAN FLORIST, the writer came across the paper read by the late president of the Canadian Horticultural Association, H. E. Phillpot, at the last annual convention held in Toronto. There can be no question of the far reaching results of Mr. Phillpot's handling of the important matter of "Packing and Shipping Successfully," and judging by the lack of complaint during this last season of grace it would well repay growers to study this paper during their holidays.

Frederick Keeble, of the Gardener's Chronicle, London, Eng., and Leonard Sutton, Reading, visited the Dale Estate greenhouses a fortnight ago before crossing over to the United States.

W. G. Peacock, bookkeeper at the Dale Estate, left June 22, by the S. S. Lusitania, for a six weeks' holiday in London, Eng.

P.

## Cleveland, O.

The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in NORTHERN OHIO.

Mention the American Florist when writing

## Dayton, O.

Matthews,

—FLORIST—

16 W. 3rd Street.

Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones

Mention the American Florist when writing

## St. Paul, Minn.

HOLM & OLSON,  
ST. PAUL

The Leading Florists of the Northwest

Orders will be well cared for anywhere in MINNESOTA AND THE DAKOTAS.

Mention the American Florist when writing

## Los Angeles, Calif.

J. W. Wolfskill,  
FLORIST,

Telegraph Orders  
A Specialty, 218 W. 4th St

Mention the American Florist when writing

## Toronto, Can.

Canada's best known and most reliable florist

Only the Best  
Dunlop's  
96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Mention the American Florist when writing

## Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

## Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

Mention the American Florist when writing

## Pittsburg, Pa.

H. L. BLIND & BROS.,

Two Stores: Liberty Av. & 5th St., 5424 Center Av.  
Greenhouses: West View.

Mention the American Florist when writing

HUNTSVILLE, ALA.—John Scott, formerly of the Joy Floral Co., Nashville, Tenn., has purchased the business of John T. Fisher and will build several new greenhouses.



# DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Kansas City, Mo.

**WILLIAM L. ROCK,**  
**Flower Co.,**

Will carefully execute orders for  
Kansas City and any town in  
Missouri, Kansas or Oklahoma.

St. Louis, Mo,

Write, Wire or Phone Your Orders to

**YOUNGS**

1406 Olive Street,

Regular discount allowed on all orders, either  
Plants or Cut Flowers.

Phonics Bell, Main 2306, Kinloch, Central 4991

Mention the American Florist when writing

New York.

Established 1849

**David Clarke's Sons**

**FLORAL DECORATORS**

2139-2141 Broadway

Telephones:  
1552-1553 Columbus.

Choice Cut Flowers

Lansing, Mich.

**Gurdon B. Smith**

Covers all Points in Michigan. Best of  
Shipping Facilities in all Directions.  
Always has the best of Everything.

Kansas City, Mo.

**Samuel Murray**

..... FLORIST .....

1017 Broadway

Coates House  
Conservatory

Both Phones 2670 Main.

Write, Telephone  
or Telegraph.

All orders given prompt  
attention.

St. Louis.

SUMMER CONDITIONS.

The weather has become very warm and, as was expected, has changed to summer. Flowers of all varieties are plentiful and begin to show the effects of summer heat. Carnations go quickly to sleep and the market here on these flowers was influenced greatly by shipments from Chicago. Roses also are plentiful, Richmond and Killarney leading. Long stemmed American Beauty were plentiful, short and medium not so plentiful. A few closing exercises and an occasional bunch of flowers sent to the leading actors at the summer garden theaters, form, outside of funeral work, the only outlet for flowers. Our prominent retailers will now figure on their summer vacations. Fancy ferns are now in and crowding the hardy ferns. This variety only sells when fancy are not obtainable.

NOTES.

W. C. Smith Wholesale Floral Co. intends to improve its store and will make some needed changes and im-

Detroit, Mich.

**John Breitmeyer's Sons**

Corner Miami and Gratiot Avenues.

**Artistic Designs.**

**High Grade Cut Blooms.**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

provements. This establishment is headquarters for the Kirkwood contingent, the majority of growers shipping their products to this young and enterprising firm.

There is considerable loud talking being heard by the Bentzen Floral Co.'s baseball club which expects to wipe up the earth with C. Young & Sons Co.'s team July 21. Youngs are keeping quiet but they will be heard from on picnic day.

Superintendent H. C. Irish of the Missouri Botanical Garden was the principal speaker at a meeting of Shaw's Garden Improvement Association. Prof. Irish told how to plant trees and further the improvement of Tyler place.

Richard Frow, of Normandy, was damaged to the extent of 3,500 feet of glass by the recent hailstorm. He has 12,000 square feet of glass devoted to general bedding plants and carnations. He also grows smilax and asparagus for the trade.

Young & Sons Co.'s show windows are a pretty sight, a great display of gloxinias and begonias and with them little chickens fresh from the incubators strutting around amongst the flowers.

The wholesale houses closed their doors at noon on Saturday and will close every evening at 5 o'clock during the summer months.

Theo. Miller's store on Delmar boulevard presents a very handsome appearance, the improved front being elegant and artistic.

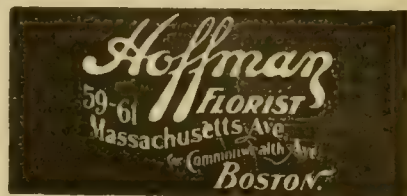
F. H. Weber stated that business has slowed down. Fred now has time to go scouting in his new up-to-date automobile.

Al Gumz will have charge of the games at the Florists' picnic July 21. Al is somewhat of an athlete himself.

W. F.

CINCINNATI, O.—Wm. Gardner, who assumed charge of Olinger's greenhouses when Mr. Weiland retired from the firm of Weiland & Olinger, was down to spend Sunday and is contented with his new berth. He looks well and says the prospects for next season are very bright.

NEW ROCHELLE, N. Y.—Hitchcock & Co. have been in their new store on Main street for some time and are now busy erecting a conservatory in the rear. Mr. Hitchcock reports a very good season's business both from the store and the nursery, which is carried on in connection with it. This firm has pushed right ahead for the last two years and seems to do its share of the business.



Albany, N. Y.

**EYRES,**

Flowers or Design Work.

Delivered in Albany and Vicinity on  
Telegraphic Order.

11 NORTH PEARL STREET.

Mention the American Florist when writing

Boston, Mass.

Send flower orders for delivery in

**Boston and all  
New England Points**

To THOS. F. GALVIN, Inc.,  
124 TREMONT ST.

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

**CLEVELAND, O.**

We Cover All Points in Ohio.

Mention the American Florist when writing

Buffalo, N. Y.

**Palmer's** Flowers  
"Quality"  
W. J. Palmer & Son.  
304 Main St.

Mention the American Florist when writing

Louisville, Ky.

**JACOB SCHULZ,**

550 So. Fourth Avenue.

Mention the American Florist when writing

Colorado Springs, Colo.

**FRANK F. CRUMP,**

Wholesale and Retail Florist.

Mention the American Florist when writing

Can't Live Without Flowers.

New York, June 21.—Flowers are one of the necessities of life and should be brought within reach of the poorest, believes John D. Crimmins, a wealthy philanthropist. Mr. Crimmins is at the head of a committee which is urging the establishment of a city market under the Queensboro bridge, where flowers may be sold at low prices. "It should be possible for a poor child to buy a flower for two or three cents, or a wild flower for a penny," says Mr. Crimmins.



## The Seed Trade.

### American Seed Trade Association.

J. C. Robinson, Waterloo, Neb., Pres.; M. H. Duryea, New York, First Vice-Pres.; F. W. Bolgiano, Washington, D.C., Second Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.; Leonard H. Vaughan, Chicago, Asst. Sec'y. Twenty-eighth annual convention, at Atlantic City, N. J., June 21-23, 1910.

ONION SET crops in the Chicago vicinity are looking well; a good rain is needed, however.

GILROY, CALIF.—Waldo Rohnert and Miss Edna Vile were married at San Felipe June 15.

SHEBOYGAN, WIS.—The J. H. Allan Seed Co. is completing a new 4-story warehouse 50x130 feet.

THE order of the postal department regarding transparent seed packets goes into effect July 1.

WISCONSIN pea crops are looking well; beans have only been in the ground 10 days and need rain.

VISITED CHICAGO.—Wm. B. Lucas, of the J. H. Allan Seed Co., Sheboygan, Wis.; W. T. Hutchins, Santa Rosa, Calif.

CHICAGO.—Contract prices on the board of trade June 22 for grass seed were noted as follows: Timothy, \$4.55 to \$4.60, October. White clover, from 20 cents to 25 cents.

HARRY G. WINDHEIM, of the Nebraska Seed Co., left Chicago at 10:30 Monday morning for the convention, being a day late because of celebrating his mother's eightieth anniversary of her birth.

THE western delegation which left for Atlantic City convention Sunday evening at 5:30 on the Pennsylvania included George S. Green, Leonard H. Vaughan, J. C. Robinson, C. H. Coy, E. B. Gurney, S. A. Wilson, S. F. Leonard, E. S. Leonard, Sam M. Sibley and W. W. Schaefer.

ROCHESTER, N. Y.—F. A. Stecher, of the Stecher Lithographing Co., who was operated on for appendicitis about a month ago, is making good progress toward recovery.—Chas. H. Vick, who has charge of the trade exhibition and souvenir programme for the coming convention of the Society of American Florists, is a very busy man these days.—Chas. H. Vick and Wm. T. Fonda are attending the Atlantic City convention this week.

## Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

### French Bulbs.

The French market on White Roman hyacinths as we go to press indicates about the following going rates to dealers for the various sizes:

11 to 12 centimeters, 60 francs.

12 to 13 centimeters, 80 francs.

12 to 15 centimeters, 92 francs.

Prices on other French bulbs except Paper White narcissus and freesias are also higher.

### Rogers Bros., Alpena, Mich.

This company, of which Austin L. Rogers is president and general manager, and George R. Warren is secretary and treasurer, are growers of the choicest strains of seed peas and beans. The company's plant is located on Fair avenue, between Tenth and Eleventh streets, Alpena, Mich., occupying one block.

Business was carried on formerly by this firm in northern New York, where for 24 years the main office and seed house were located.

The foundation of this business was begun in 1875 by A. L. Rogers at 20 years of age, on a farm in the town of Cape Vincent, New York, left by his father, who died in Mr. Rogers' infancy.

The small beginning was made by Mr. Rogers by growing plants, vegetables and fruits for nearby markets. Two years later seeds were grown from beets, carrots, parsnips, peas and beans.

In 1878 a three-story seed house 30x40 was erected, and his brother, Everett E., became interested in the business and seed growing was permanently taken up. In 1880 they combined forces with R. B. Hungerford at Adams, N. Y., who was a former partner of Artie B. Cleveland, whose father, J. M. Cleveland, had been growing peas and beans for a quarter of a century prior to this, the Cleverlands later forming the famous Cleveland Seed Co. at Cape Vincent, N. Y., and New York City. Mr. Hungerford's stock of peas and beans combined with Rogers Bros.' made at that time a substantial seed stock.

The firm of Rogers Bros. and R. B. Hungerford carried on the business for a year, occupying the original buildings used by J. M. Cleveland. In 1882 Rogers Bros. were fortunate in securing the most desirable site in the center of the village of Chaumont, N. Y., where they built a substantial seed house three and one-half stories, 40x70. Small seeds were discontinued and their whole attention was given to growing garden peas and beans. In 1887 an excellent farm of 360 acres adjoining the village corporation and Chaumont river, was purchased. Its ideal location and rich soil

was a decided advantage in the breeding and developing of the choicest strains of pea and bean stocks.

In July, 1890, Everett Rogers was injured while crossing the railroad track at the farm, resulting in his death the following September. A. L. Rogers continued the business in the firm's name, being assisted by George R. Warren who began with them as their bookkeeper in 1882.

Prior to the death of Everett E. Rogers, business continued to grow. The Chaumont plant was enlarged and improved machinery was installed. In 1902 the business was incorporated under the name of Rogers Bros.

Twelve years ago they began growing seeds in this state, and as the business increased in volume, it became apparent that Alpena would be a suitable city in which to build and it has resulted in the sale of the seed house, office and the company's property in New York and transferring the main office, seed house and storehouses to this city, where buildings of the required capacity have been erected and are now occupied by the company.

The office is one with ample room, well lighted and supplied with steam heat, and one in which the office force find a pleasure in carrying out the work that devolves upon them.

Seed house No. 1 in the rear of the office is 40x125 feet, three stories high, with a basement. No. 2 storehouse is separated from No. 1 by a fire wall and has a capacity of three floors 40x100 feet. Storehouse No. 3 is separated from the former named buildings, with floor space of 30x120 feet. No. 4 is a brick structure erected with a truss roof, giving a floor space above the basement of 44x128 feet, without a post inside of the space mentioned.

The horsebarn is one of modern design 36x50 feet, two stories high with a commodious carriage room and well finished stalls for the company's truck team and driving horses, as well as a harness room. The barn has a cement floor covering the whole space and is supplied with running water. A large sized shed has been built for the free use of the farmers—growers of seed—when delivering their crops, and is equipped with iron feed boxes where the teams can eat and be comfortable.

The firm's business is increasing from year to year, giving to farmers an opportunity to grow seed at a profit to them, and thus extending out into portions of the best farming lands, establishing a business which is far reaching, in which farmers and business men are becoming more and more interested.

The company has an office force under the supervision of G. R. Warren, secretary and treasurer of the firm, who has no small task in financing this department into which all business matters of the concern find their way.

In connection with this are the seed houses of which Burt Gilbo is superintendent, having associated with him a shipping clerk, together with 16 assistants in the handling of the seed which is grown on about 12,000 acres. Mr. Gilbo was formerly with the Cleveland Seed Co. for about 20 years, thus giving him an experience which well qualifies him for handling the seed with experienced men through whose hands this immense quantity of seed passes to be milled, hand-picked, bagged and stored ready for shipment.

Mr. Rogers endeavors to visit their customers at least once a year. These are some of the leading seedsmen and canners of peas and beans in the United States, many of whom have been steady customers for over a quarter of a century.—Alpena Echo,

## Pieters-Wheeler Seed Company

Growers of  
High Grade  
SEED

Hollister,<sup>1</sup>  
California



Onion,  
Lettuce,  
Radish,  
Sweet Peas,  
Etc.

Correspondence  
Solicited.

C. C. MORSE & CO.  
WHOLESALE SEED GROWERS  
SAN FRANCISCO, CALIFORNIA





High-class Seeds, Bulbs, Plants, Shrubs and Nursery Stock.

## "BUDS"

CARL R. GLOECKNER, President,  
76 Barclay St., NEW YORK CITY

### COLD STORAGE LILY OF THE VALLEY PIPS

\$12.50 per 1000 in cases of 2000 only.  
Finest German, not Dutch grown. Ready now.

#### For Fall Delivery 1910

Our own imports from Japan.

|                                          | Per 1000 |
|------------------------------------------|----------|
| Lilium Longiflorum Multiflorum, 7-9..... | \$50 00  |
| " " Giganteum, 7-9.....                  | 65 00    |
| " " Formosum, 7-9.....                   | 65 00    |
| F. O. B. New York.                       |          |

TO THE TRADE

## HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all  
CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

**Specialties:** Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

**HENRY METTE'S TRIUMPH OF THE GIANT PANSIES**, (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., \$1.50 per 1/4-oz., 75c per 1-16 oz. postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

## L. DÆHNFELDT, Odense, Denmark

Most Important Seed Grower in Scandinavia (5,000 acres).

(Established 1850.) My specialties for export are

### Dwarf Erfurt Cauliflower and Cabbage Danish Ballhead

Send me for delivery after harvest a trial order, and you will in future be my constant customer.

Prices and Catalogue sent on application.

## Waldo Rohnert

GILROY, CAL.

### Wholesale Seed Grower

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena, in variety.  
Correspondence solicited.

## S. M. Isbell & Co.,

Jackson, Mich.

### CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.  
Correspondence solicited.

## The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

Branches: Michigan MILFORD, CONN. and Wisconsin.

## John Bodger & Sons Co.

Gardena, Calif.

Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.



*Yes, He Sailed Away,*

— BUT —

*He's Coming Back*

AND SOON

**CHAS. P. BRASLAN,**



# BRASLAN SEED GROWERS CO.

**SAN JOSE, CALIF.**

**California  
Grown  
Seeds**

Three large ranches with a good range of locations and variation in soils enables us to produce to best advantage all California grown seeds.

We repeat that it is our constant aim to bring our deliveries as close to the 100 per cent mark as possible.





## Market Gardeners

Greenhouse Vegetable Growers and  
Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President;  
Franklin DeKleine, Grand Rapids, Mich.,  
Vice-President; S. W. Severance, 508 Illi-  
nois Life Building, Louisville, Ky., Secre-  
tary; M. L. Ruetenik, Cleveland, O., Treas.

BROWNVILLE and Aransas Pass, Texas, will ship about 400 cars of watermelons this season. Houston growers will commence shipping the end of the present week.

DAYTON, WASH.—Fruit growers and truckers are worried over the extended drought in this vicinity. Rain is needed at once to save the crops, and unless it comes soon many truckers will plow under their crops and replant.

CHICAGO.—Texas watermelons are in and heavy shipments are expected from Houston during the next week. Good cucumbers are scarce, though there are plenty of large, poor colored ones on the market. Peppers are in and selling at \$1 to \$1.25 per pony crate (6 basket). The heat has caused a rapid drop in Michigan berries.

### Lime As a Fertilizer.

The element calcium is a necessary constituent of plants; but as almost all soils contain it in sufficient amounts for their needs, the action of lime is not like that of a direct fertilizer. Indirectly, however, it is an agent by which insoluble potash is changed to a form available as plant food. For this very reason, says Bulletin 163 of the Connecticut Experiment Station, it must not be made to take the place of potash fertilizer unless it is absolutely certain that large quantities of insoluble potash are present in the soil under consideration. Otherwise, the time when the soil will be depleted of potash is simply hastened. Whether the addition of lime affects the solubility of soil phosphates is undecided. Any chemical action on these compounds must, at least, be slight.

The other important chemical action of lime is to correct soil acidity. This lies largely in its effect on low forms of plant life. Neither of these reactions is affected by the form of lime used. Soil, air and water contain much carbonic acid, which quickly acts on burned lime, on water-slaked lime, and converts it back into a calcium carbonate, the form in which it existed before burning. The kind of lime to be used thus depends almost entirely on the cheapness of the brand when figured to burned lime or calcium oxide, and on the ease with which it can be handled from the car to the field. The only time when the use of burned lime is inadvisable is when large quantities (2,000-3,000 pounds) are necessary to correct the acidity and the application is to be made in the spring. It takes some time for such quantities as these to be changed to calcium carbonate, and in the meantime the caustic lime is burning out the humus in the soil. If large amounts of quick lime are to be applied to the soil, it should be spread in the early winter and worked into the soil in the spring.

Lime has a further effect upon soils which may be partly a chemical action, but which is in the main an ef-

## Francis Brill

—Grower and Dealer—  
**Hempstead, L. I.**  
**NEW YORK**

fect upon their mechanical character. Clay soils are probably the most benefited, for it greatly increases their porosity. The movement of water, both upward and in drainage, is thereby facilitated. A possible injury may result, however, if clay soils are limed too much or too frequently, through its cementing action, analogous to that when used in mortar. Paradoxical as it may seem, light soils are also benefited, for lime increases both their water holding capacities and their capillarity.

### Canadians Hard Hit.

Reports from various parts of Canada indicate that truck crops have been seriously injured. Tomatoes, potatoes, peas, beans and sweet corn were ruined by heavy frosts on the island of Montreal. Strawberries, however, while injured, managed to pull through, as have cabbage, celery and other hardier truck, and as the weather begins to brighten up, June 10, these are now out of danger. Reports from Sherbrooke, Que., and various parts of Ontario state that tender plants, such as tomatoes and cucumbers, are a total loss, while the small fruit crops will be seriously curtailed. In the Brockville district early seeding was long delayed, owing to heavy rains, and this, together with the recent frosts, has ruined the prospects of good crops.

### Chinch Bug Infection.

Bulletin No. 176 of the Oklahoma Experiment Station says that there has been quite a steady demand throughout the state, in the chinch bug infected localities, for the disease which is contagious and fatal to chinch bugs. The entomological department has this disease on hand for distribution. It is free to all parties interested, and may be obtained by them if they will send chinch bugs to the department for the infection. After these bugs are infected with the disease a portion of, or all of them, will be returned to the sender in order that the disease may be disseminated in the infested fields. These infected bugs should be placed in the fields where the uninfected bugs are at work. During very hot and dry weather this disease is not known to work as efficiently as it does during wet weather.

### Estimated Weights by Express Companies.

The following estimated weights for interstate markets adopted by the express companies are taken from the Southern Shipper:

The express companies agree to carry the following commodities from points in Texas, Louisiana and New Mexico, at the following weights. (Commodity tariff No. 101 A., taking effect May 8, 1907.)

Lettuce, spinach, chicory, escarol, parsley, and endive, per flour barrel, 60 pounds; per sugar barrel, 80 pounds.

Mixed vegetables (potatoes excepted) and vegetables not otherwise specified, per barrel, 110 pounds, in crates 16x16x16, per crate 65 pounds; in crates 12x12x24, per crate, 40 pounds.

## CHOICE SEEDS

For Gardeners, Truckers and Plant Growers

Long Island Cabbage Seed, Cauliflower, Egg, Pepper, Tomato, Etc.

Price Lists Free. Quality Finest.  
Wholesale and Retail.

## Success in Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE \$1.10

**AMERICAN FLORIST CO.,**  
324 Dearborn St., Chicago.



Watch for our Trade Mark stamped  
on every brick of Lambert's

**Pure Culture Mushroom Spawn**

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

**Dutch Bulbs** We forward free to destination collections of Bulbs for from \$5.00 to \$25.00. Turns cash with order. Please send for particulars. Apply to **The Dutch Bulb & Seed Growers Co., Haarlem, Holland.**

Cucumbers, in barrels, sugar barrel, 200 pounds; in half-barrel boxes, per box, 20 pounds; in bushel boxes, per box, 40 pounds.

Beans, peas, okra and peppers, per one-third bushel box or basket, each 10 pounds; per bushel basket or hamper, each 30 pounds.

Cauliflower, in crates, 12x18x24, per crate, 50 pounds.

Cantaloupes, standard crates, 12x12x24, per crate, 60 pounds; in sugar barrels, per barrel, 200 pounds.

Tomatoes, in four-basket crates, 23 pounds; in six-basket crates, per crate, 35 pounds.

Peaches, in four-basket crate, 20 pounds; in six-basket crate, 40 pounds.

Pears, in sugar barrels, 200 pounds.

### Prices of Indoor Fruits and Vegetables.

New York, June 18.—Mushrooms, 65 cents to 75 cents per pound; cucumbers, cold frame, 42 cents per dozen; lettuce, cold frame, 50 cents per dozen heads; tomatoes, 17½ cents per pound; grapes, Hamburgs, imported, 75 cents per pound; Hamburgs, domestic, 50 cents per pound; Gros Colman, \$1 per pound; Muscats, \$1.65 per pound; peaches, English, \$5 per dozen; Belgian, \$5 per dozen; nectarines, \$5 per dozen.

Chicago, June 22.—Mushrooms, 40 cents to 50 cents per pound; cucumbers, 45-50 cents per dozen; leaf lettuce, 15 cents per box; head lettuce, home-grown, 30-75 cents per tub; wax beans, 75 cents to \$1.25 per box; tomatoes, \$2-\$2.25 per crate; peppers, \$1-\$1.25 per pony crate.

WITH tomatoes, the best results are obtained from the application of a complete fertilizer. In this case, the addition of potash and phosphoric acid helps in the formation of the fruit, while nitrogen helps to produce a strong, thrifty plant with good leaf and stem development.





## Freeseias

BERMUDA WHITE.

Per 100  
Mammoth, 1/2 to 3/4-in. \$9.00  
Choice, 3/8 to 1/2-in. 7.50

Import Bulb List Now Ready  
Write for Copy.

VAUGHAN'S SEED STORE,  
Chicago. New York.

### Providence.

Commencement days, graduating exercises and a good number of wedding decorations and funeral designs all helped to create a good week's business. Most growers have their chrysanthemums transplanted to benches, the stock looking fine and healthy. The rose growers have their stock re-benched for another season. All are about to start to rebuild, paint and glaze, and after all this is done vacations will be in order. There is always a shortage of good vincas, English ivy, and other vines for vases and window boxes, as well as of hydrangeas in 4 to 6-inch pots. The weather has been cloudy, with rain all week except Tuesday and Wednesday, when we had some extremely warm weather for those two days, when the weather took on its normal condition of the past month which helps to keep greenhouse cut flowers in first class condition for so late in the season. All kinds of seasonable cut flowers are plentiful. Roses are over abundant and consequently very cheap. Outdoor roses are coming in in good quality and while they last will help to keep the price of greenhouse roses down. Carnations and sweet peas are very plentiful and cheap. There are plenty of gardenias, orchids and lily of the valley coming in to supply all demand at regular summer prices. Peonies are still coming in in good quality but do not sell well. Irises of the German varieties are coming in, also some oriental poppies; these sell well. Candytuft and stocks are about cleaned up. Liliun auratum is seen in the stores in limited quantities and are soon bought up. Asparagus, adiantum, smilax and fancy and dagger ferns were in good demand during the past week.

### NOTES.

Wm. Hay reports a very satisfactory first week's business at his new wholesale flower market at 21 Clemence street. Ed. Murray, his manager, is a very busy man putting on the finishing touches to the store, looking up business, buying and advertising.

The regular monthly meeting of the Gardeners' and Florists' Club of Rhode Island, will be held in the evening of June 20. The members will then take action in regard to their regular summer outing and the proposed trip to the Rhode Island Agricultural College at Kingston.

Arthur Griffin, for many years head gardener for Eldridge T. Gerry at Newport, has purchased a place at Woburn, Mass., consisting of 12 acres. Mr. Griffin intends to grow a general line of cut flowers for the trade.

All the regular help and an extra force was very busy with Jas. B. Canning June 12-13 owing to the very extensive decorations at Brown University both in the halls and on the campus.

The flower and seed stores will be open the first Friday in July to close

# BODDINGTON'S QUALITY

## Christmas Flowering Sweet Peas

For Immediate Delivery.

|                                        | Oz. | 1/4 lb. | 1/2 lb. | Lb.    |
|----------------------------------------|-----|---------|---------|--------|
| Boddington's Snowbird, pure white..... | 20c | 75c     | \$1.25  | \$2.00 |
| Boddington's Christmas Pink.....       | 10c | 40c     | .75     | 1.00   |
| Boddington's Christmas White.....      | 15c | 50c     | .85     | 1.50   |
| Mrs. E. Wild, carmine.....             | 15c | 50c     | .85     | 1.50   |
| Mrs. Geo. Lewis, white waved.....      | 15c | 50c     | .85     | 1.50   |

New Crop of all other Winter Flowering Varieties  
Ready in August.

## ARTHUR T. BODDINGTON,

342 West 14th Street,  
NEW YORK CITY.

## Bay Trees



| Total Height. | Dwarf Standards.           | Each   |
|---------------|----------------------------|--------|
| 4 to 5 feet.  | Crown.<br>24 to 26 in..... | \$7.50 |

| Height.   | Base.            | Each.   |
|-----------|------------------|---------|
| 6 ft.     | 26 to 28 in..... | \$10.00 |
| 6 1/2 ft. | 28 to 30 in..... | 12.00   |

### Standard or Tree Shaped.

| Stem about | Crown.    | Each.   | Stem about | Crown.    | Each.   |
|------------|-----------|---------|------------|-----------|---------|
| 42-46 in.  | 24 in.... | \$ 6.75 | 45-48 in.  | 30 in.... | \$10.00 |
| 45-48 in.  | 26 in.... | 7.50    | 46-54 in.  | 34 in.... | 12.00   |
| 46-50 in.  | 28 in.... | 8.00    | 46-53 in.  | 40 in.... | 15.00   |

## BOX TREES

| Height.                  | Each.  | Doz.   | 100     |
|--------------------------|--------|--------|---------|
| 10 to 12 in.....         | \$0.30 | \$3.00 | \$20.00 |
| 12 to 15 in.....         | .35    | 3.50   | 25.00   |
| 15 to 18 in., light..... | .40    | 4.00   | 30.00   |
| 15 to 18 in., heavy..... | .45    | 4.50   | 35.00   |
| 20 to 24 in.....         | .75    | 8.00   |         |

### Bush Shaped.

These do not come in tubs.

All plants are quoted f. o. b. Western Springs.

**Vaughan's Seed Store**  
WESTERN SPRINGS, ILL.

at one o'clock until Labor day as has been the custom for some years.

C. H. Hunt, 193 Oxford street, had several hundred lights of glass broken by the hailstorm of the afternoon of June 18.

Christopher M. Lee has been appointed by the city council as a member of the park commission for three years.

John F. Wood received a severe shock during the thunderstorm June 18, but recovered his speech after a short time.

Henry Patry had a very severe shock while using the telephone on the afternoon of June 18 during the heavy thunder shower.

Albert Burke has succeeded his brother John as shipping clerk and

**Don't Forget** To give us a trial on Asters.  
Mignonette, Begonia Ver-  
non, Cineraria, Primula Chinensis, Primula  
Obconica, Salvia Bonfire and Splendens, Verbena,  
Cyclamen and Pansy Seed. The two latter items  
ready July and August. We handle none but the  
best quality strains. Katalog for the asking.



**SKIDELSKY & IRWIN CO.,**  
1215 Betz Bldg.,  
PHILADELPHIA, PA.

salesman at greenhouses for William Hay, the rose grower at Oakland.

Joseph Koppleman & Co., 50 Washington street, is giving his store a general renovating and painting.

Visitors: C. Schulz, Westerly; W. F. Jurgens, Newport; Walter Mott Newburgh, N. Y.; M. Bryant of A. H. Hews & Co., Cambridge, Mass.

J. BRINTON.



## The Nursery Trade

### American Association of Nurserymen.

W. P. Stark, Louisiana, Mo., President;  
E. S. Welch, Shenandoah, Ia., Vice-President;  
John Hall, Rochester, N. Y., Sec'y.  
Thirty-sixth annual convention to be held  
at St. Louis, Mo., June, 1911.

PENN YAN, N. Y.—Howard Evarts Weed, the Chicago landscape architect, lectured here recently on "A More Beautiful Penn Yan." The lecture was under the auspices of the Business Men's association and was illustrated by lantern slides.

PEONY growers would confer a great favor on us and our readers if they would kindly send a list of the varieties that have flowered most freely during the present unusual season, also of those that suffered worst during the inclement weather this spring.

THE proceedings of the eleventh annual convention of the American Association of Park Superintendents held at Seattle, Wash., August 9 to 11, 1909, has been received, containing a full report of the proceedings, list of officers, etc. The next convention is to be held August 9 to 11, 1910, at Harrisburg, Pa., for which an attractive programme has been arranged.

NORTH ABINGDON, MASS.—W. H. Wyman, of the Bay State Nurseries, has been persecuted the past four years by an unrelenting enemy, who has destroyed hundreds of dollars worth of property. Under the cover of darkness, the hidden foe wreaks vengeance by slashing young trees and firing buildings. Mr. Wyman's trouble began when he accepted the office of chief of police and made the town "dry."

LOS ANGELES, CALIF.—Residents of the southeast section of the city are protesting against the destruction of their fruit trees by order of A. R. Meserve, county horticultural commissioner, because of the presence of black peach aphids. Heretofore, objections have been made by individuals only, but it is said those affected are contemplating organizing and appointing committees to wait upon the county authorities with a view to having the order modified. Spraying and fumigating has been tried, but found ineffectual.

### The Peony Exhibition.

While the general run of stock, as noted in our last issue, was not as good as it has been in previous years, there were many fine specimens. In the lower hall, the bedding by R. & J. Farquhar was fine work. The borders of fuchsias and other flowering plants from Mrs. Fred. Ayer, West Newton (George Page, gardener), were a great attraction. In the 30 varieties of peony class there were many splendid blooms. Notable were Achille, Duke of Devonshire, Queen Victoria, Rossini, Festiva Maxima, Prince George, Madame Coste, E. G. Hill, Gigantea and Amazon. Mme. de Galhau, rose pink, for which Geo. H. Peterson took first prize for single

# A BLUE ROSE

## The Greatest Rose Novelty of the Century

*It flowered with us this season and was greatly admired.*

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

*Send for description and price.*

**ELLWANGER & BARRY**

Mount Hope Nurseries

ROCHESTER, N. Y

## ROSES Our Leading Specialty

Also Azaleas, Rhododendrons, Conifers, Fancy Glipped Boxwoods, Forest and Fruit Trees, Hedge Plants, Etc  
Ask for Wholesale Price Lists.

**S. A. VOSTERS & SONS,**

**RIEL, HOLLAND.**

## A GOOD INVESTMENT

Evansville, Ind., Feb. 18, 1910.  
AMERICAN FLORIST CO.  
Chicago.

DEAR SIR:—I am using your Trade Directory and out of 4000 nurserymen we circularized only two circulars came back. I am enclosing these names as you may want to make the changes.

A. J. LOCKYEAR.  
New Edition Now Ready—Price \$3.00.

bloom, we consider a remarkable production. Mons. Krelage, dark pink, was also very fine. Couronne d'Or, with which Bertrand H. Farr took first prize, much resembles Festiva Maxima and was mistaken by some experts for that variety. Mathilde de Rosaneck, rose pink, and Rubra Superba, crimson, were very fine.

The 40 varieties of rhododendron blooms exhibited by Walter Hunnewell, were notable attractions. The specimen plants of Begonia Rex, by Mrs. Fred. Ayer, were also fine features. The exhibit of E. J. Shayler, Wellesly Farms, Mass., while not entered for competition, was so good that it was awarded a silver medal. The display of single peonies by T. C. Thurlow's Sons, West Madbury, Mass., was good, noteworthy being Adana and Diana. The dark pink seedling peony, now in its third year, exhibited by Jos. H. Chase, Malden, Mass., is very large and looks promising. The Eastern Nurseries, Jamaica Plain, Mass., made a good exhibit of herbaceous stock. The Blue Hill Nurseries, South Braintree, made a fine exhibit of pyrethrum. Among the miscellaneous exhibits, nothing was more noteworthy than the strawberries from Geo. V. Fletcher, Belmont, Mass. There were three varieties: Barrymore, Marshall and Golden Gate. It would only take two or three of them to make a plateful, that is, a restaurant plate.

## When Traveling in Europe

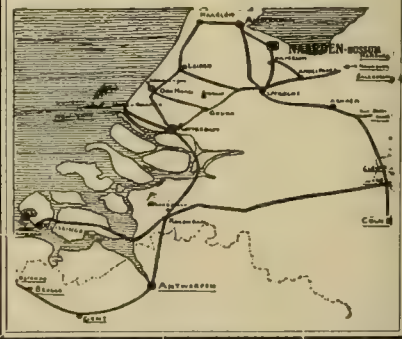
Do not forget to inspect our nurseries. We grow immense quantities of Rhododendrons, Azaleas, Magnolias, Boxwood, Conifers, Pot-grown plants for forcing, Lily of the Valley, Evergreens, etc. of high grade and quality. Our nurseries are on sandy soil from which trees transplant readily. From Amsterdam to our nurseries it is only 25 minutes by rail and a train runs every hour.

Catalogue Free on Application.

## JACS SMITS & CO.,

Naarden, Holland.

Long Distance Phone, Bussum 33.  
Cable Address, Smits-Naarden.



**The Florists' Market Place,  
Our Ready Reference Ad. Dept**





# Bobbink & Atkins

World's Choicest Nursery and  
Greenhouse Products

## Bay Trees, Boxwood,

## Evergreens and Conifers, Rhododendrons and Herbaceous Plants, Kentias and Phoenix.

We have a large quantity of all this stock. We  
shall be glad to give special prices on any  
quantity \* \* \* \* \*

Nurserymen  
and Florists

## Rutherford, N. J.

## Phoenix Nursery Company

Nurserymen and Florists  
BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for spring issued Feb. 1st.

## 500,000 California Privet FOR FALL OF 1910.

A fine stock of 1 and 2 year plants from 12  
inches to 4 feet. will satisfy all in grade and price.  
Special low prices in car lots for Fall delivery; let  
me know your wants before purchasing.

Also a fine stock of **AMPELOPSIS Velutina**,  
2 years transplanted.

**CHAS. BLACK,** Hightstown, N. J.

### BUSINESS MEETING.

In addition to the president's address and reports of other officers, there was considerable interesting discussion. Interesting remarks were made by President Farr, Secretary Fewkes, Prof. Sandford, of Hamilton college, and others. A motion to drop members absent for more than five years was adopted, the secretary being instructed to notify the absent members. The nomenclature committee was continued. B. H. Farr, Reading, Pa., Jos. Dauphin, Queens, N. Y., and Prof. Batchelder compose the committee. Prof. Sandford proposes to give a prize for a variety at next exhibition. On motion of the secretary, a committee was appointed to consider the recommendations of new varieties made in 1907. The committee follows: R. T. Brown, Queens, N. Y.; W. A. Peterson, Chicago; A. H. Fewkes, Newton Highlands, Mass. It



## Arbor Vitæ

(*Thuja Occidentalis*.)

A splendid stock of 3 to 4 ft. and 4 to  
5 ft. trees.

Write for descriptions and prices.

**The Wm. H. Moon Co.,**  
MORRISVILLE, PA.

## DAHLIAS

Jack Rose and other best Cut Flower  
varieties. Write for list and prices.

**PEACOCK DAHLIA FARMS**

Williamstown Junction, N. J.

## LARGE TREES

**OAKS and MAPLES  
Pines and Hemlocks**

**ANDORRA NURSERIES,**

Wm. Warner Harper, Prop.  
Chestnut Hill, PHILA., PA.

## Hybrid Perpetual and Rambler Roses

Strong Forcing Stock for Florists.

Orders for fall delivery booking now.

**Jackson & Perkins Company, Newark, N. Y.**

was moved and adopted that President Farr be a member of the committee. New members of the society are Wilton Lockwood, Boston; Henry Field, Shenandoah, Ia.; A. J. Crane, Monroe,

## NEW BERRY, HIMALAYA GIANT

Berry Catalogue free with Colored plates  
Berrydale Experiment Gardens, Holland, Mich.

## THE Storrs & Harrison Co.

**PAINESVILLE NURSERIES.**

CATALOGUES AND PRICE LISTS  
FREE ON APPLICATION.....

**PAINESVILLE, OHIO.**

## ROSES

Send for our list of own root, two-year-old roses  
in all the leading Teas, Hybrid Teas and Hybrid  
Perpetuals, strong two-year-old plants, just the  
kind for benching or for planting in the open  
ground. Our list includes the choicest sorts and  
the prices are low. Write today.

**THE DINGEE & CONARD CO.,** West Grove, Pa.

## JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators. Stere-  
opticon lectures on Horticulture and Arboriculture

**Eugene Pitou, Jr.,** CIVIL ENGINEER and  
Landscape Architect

Phone Barclay 6084—229 Broadway, New York  
Designs, Estimates, Construction of Grounds

N. Y.; Winthrop H. Thurlow, West  
Newbury, Mass.; Chas. S. Minot, Read-  
ville, Mass.



## Aster Plants

Simple's Branching and Queen of the Market, fine plants from field, \$1.75 per 1000.

**Geraniums, Heliotropes and Scarlet Sage**, in bloom, out of 4-in. pots \$4.00 per 100.

**Alyssum, Verbenas, Dusty Miller, Phlox, Primula Obconica**, 2½ in., \$2.00 per 100; 300 for \$5.00.

**Cabbage and Tomatoes**, all kinds, \$1.00 per 1000, \$3.00 per 1000.

**Peppers, Sweet Potatoes and Brussels Sprouts**, \$1.50 per 1000.

**Cauliflower**, Early Snowball, \$2.50 per 1000.

**J. C. SCHMIDT, Bristol, Pa.**

Please mention the American Florist when writing

## Nephrolepis Ferns...

We cannot book any more orders for delivery before July 10.

**Henry H. Barrows & Son, Whitman, Mass.**

Mention the American Florist when writing

### To Be Done Now.

#### IN THE GREENHOUSES.

Watch for thrips in cyclamens and spray with nicotine, removing the worst affected leaves. A somewhat heavy shade is necessary now.

Get all the stock possible outside now into frames or plant protectors and clean the houses thoroughly.

Propagate regal and show pelargoniums as they go out of flower. Then place the plants in the open air.

Look out for flaws in the glass in the palm houses or the foliage may be ruined. Paste a sheet of newspaper over them when found.

Remove the flower buds from all young stock of begonias as it checks the growth to bring these to perfection.

Keep the surface soil well stirred in the chrysanthemum benches and also keep weeds down.

Where poinsettia stock is scarce, place the old plants in gentle heat to produce cuttings more rapidly and keep on propagating.

Clothilde Soupert, Baby Rambler and other dwarf roses should be in a semi-shaded frame now. They cannot stand full exposure in the greenhouses.

Pot on young stock of palms, pandanus, crotons and dracenas before the plants get potbound.

Look carefully after winter flowering geraniums and repot directly they need it. If they get too hard in the pots the growth will be checked.

#### OUTDOORS.

Keep after the the big weeds that spring up in places where the hoe or cultivator does not reach. Never allow them to go to seed but have them pulled regularly.

Do not allow manure to heat and loose all its substance. If it cannot be used, damp it down and run a team over it or in some other way press it firmly.

In the absence of heavy rain see that all newly planted trees and shrubs are well soaked with water regularly.

Keep down the weeds in the herbaceous borders and stake or in some other way support tall growing plants.

Feed hollyhocks liberally now, especially old clumps that have not been moved of late.

Finish thinning and hand weeding of beets, onions and other advancing crops and keep the cultivator going between the rows.

Celery must have abundance of water now. If the young plants are stunted early in their career the produce will never amount to much.

### 20 Per Cent Discount on

## Bedding Plants for Stock

For the next ten days we will allow **A DISCOUNT OF 20 PER CENT.** on any of the following plants except Ferns and Cyclamen:

|                                             | Per 100 |                                          | Per 100 |
|---------------------------------------------|---------|------------------------------------------|---------|
| 2 -in. Nutt Geranium.....                   | \$2 50  | 2 -in. Feverfew.....                     | 2 00    |
| 2 -in. Viald.....                           | 2 50    | 2 -in. Rose Geranium.....                | 2 00    |
| 3 -in. Nutt.....                            | 4 50    | 2 -in. Mme. Sallerei Geraniums.....      | 2 00    |
| 4 -in. Nutt.....                            | 6 00    | 2 -in. Dracena Indivisa.....             | 3 00    |
| 3 -in. Viald.....                           | 4 50    | 2 -in. Asparagus Sprengeri.....          | 3 00    |
| 4 -in. Viald.....                           | 6 00    | 3 -in. Pl. Napus.....                    | 3 00    |
| 2½-in. Dbl. Petunias, 2 to 4 varieties..... | 2 50    | 3 -in. Whitmani, true variety.....       | 5 00    |
| 2 -in. Ageratum, blue.....                  | 2 00    | 3 -in. Cyclamen, 4 colors, separate..... | 8 00    |
| 2 -in. Heliotrope, blue.....                | 2 00    | 2½-in. Salvia.....                       | 2 50    |
| 2½-in. Dbl Alyssum.....                     | 2 00    | 1½-in. Fuchsia.....                      | 3 00    |
| 2 -in. Lantana, 2 varieties.....            | 2 50    | 3 -in. ....                              | 6 00    |
| 2½-in. Centaurea Gymnocarpa.....            | 2 50    |                                          |         |
| 2 -in. Coleus, 8 to 10 varieties.....       | 2 00    |                                          |         |
| 2 -in. Moonvine, white.....                 | 2 50    |                                          |         |
| 2½-in. ....                                 | 3 00    |                                          |         |

Our stock is all well grown, and we will guarantee satisfaction. Give us a trial and see.

**D. U. AUGSPURGER & SONS CO., Box 394. Peoria, Ill.**

Mention the American Florist when writing

## Asparagus Primroses

|                            | Per 100 | Ready July 15                | Per 100 |
|----------------------------|---------|------------------------------|---------|
| Plumousus, 2½-in. pot..... | \$ 2 00 | Chinese and Forbesi.....     | \$ 2 00 |
| Sprengeri, 2½ in. pot..... | 2 00    | Obconica Alba and Rosea..... | 2 00    |
| Pensy Seed, new crop.....  | Per oz. | Obconica Gigantea.....       | 3 00    |
| Giant Flowering.....       | \$ 4 00 |                              |         |

—Cash, No C. O. D.—

**JOS. H. CUNNINGHAM, Delaware, O.**

Mention the American Florist when writing

### 20,000 Fine Tea Roses

Ready for bedding out in 2-, 2½- and 3-in. pots. **Soft Wooded** stock of all description to be closed out cheap for cash. Write your wants to **GEO. A. KUHL, PEKIN, ILL.** Ferns worth the money. Our varieties include:

|                  | 2½-in. | 3-in.   | 4-in.   | 5-in.   | 6-in.   | 7-in.   | 8-in.    |
|------------------|--------|---------|---------|---------|---------|---------|----------|
| Bostons.....     | \$5 00 | \$10 00 | \$15 00 | \$25 00 | \$40 00 | \$60 00 | \$100 00 |
| Whitmani.....    | 7 50   | 15 00   | 25 00   | 50 00   | 75 00   | 100 00  | 150 00   |
| Amerpholi.....   | 7 50   | 15 00   | 25 00   | 50 00   | 75 00   | 100 00  | 150 00   |
| Scotli.....      | 7 50   | 15 00   | 25 00   | 50 00   | 75 00   | 100 00  | 150 00   |
| Plumousus.....   | 3 50   | 8 00    | 15 00   | 25 00   | 50 00   | 100 00  |          |
| Sprengeri.....   | 2 50   | 5 00    | 12 50   | 25 00   | 50 00   |         |          |
| Maiden Hair..... | 5 00   | 15 00   | 25 00   |         |         |         |          |
| Small Ferns..... | 5 00   |         |         |         |         |         |          |

Specimen 10-in. and up \$2 50.

Stake and tie tomatoes wherever possible. The fruit is never so good from plants scrambling about on the ground as from others properly looked after.

Nitrate of soda is a fine stimulant now for leafy crops if there is plenty of moisture present.

Keep the seed pods and old flowers regularly picked off the sweet pea rows or the flowering season will be short.

### Hood River Fruits.

With the development work completed and now under way, it is said by local orchardists that by fall Hood River, Ore., will have the greatest acreage under cultivation to fruit of any section in the state. By fall planting time, it is estimated that 15,000 acres will be set to orchards. The largest amount of activity is taking place in the upper valley, where one company is developing 15,000 acres. This company has this summer cleared 100 acres and planted half of it. The work is being done by a new departure in land clearing, a big donkey engine of enormous power being used instead of powder. One thousand acres are to be cleared at once. A number of Portland people are developing a large tract of it, among them F. A. Jones, who has put out the largest pear orchard in the valley, having set 40 acres to Beurre d'Anjou.

## American Beauty PLANTS

A few thousand nice plants, 2¼ and 2½-in. pots.

**John Burton,**  
Chestnut Hill, Phila.

## Brides and Maids

2½-in. \$2.50, 100; \$25.00, 1000.  
Numerous other good sorts in prime stock.

**THE LEEDLE FLORAL COMPANY**  
SPRINGFIELD-OHIO.

For the first time in its history strawberries by the carload are being shipped out of the upper valley this year. These are now largely supplying the market with Hood River berries. From 800 to 1,000 people are now engaged in the work of cutting timber and developing land in the upper valley.



## Alternanthera JEWEL

We can still supply first-class plants of this magnificent new bedding plant. If you buy now, you will be able to have stock for another year. To clean out, we will make a special price of \$1.50 per doz.; 10.00 per 100.

## Gardenias

We can quote you in any quantity. 3-in. \$18.00 per 100; 2½-in. \$12.00 per 100. Getting down on 'mums, but still have a few thousand at \$25.00 per 1000.

**CHARLES H. TOTTY,**  
MADISON, N. J.

## Vincas

|                                                                        | Per 100 |
|------------------------------------------------------------------------|---------|
| Variegated, 2-in.....                                                  | \$ 3 00 |
| 3-in.....                                                              | 6 00    |
| 3-in., strong .....                                                    | 8 00    |
| 3-in., extra strong.                                                   | 10 00   |
| <b>Alternanthera</b> , 2-in., P. Major and Aurea Nana.....             | 2 00    |
| <b>Asparagus Plumosus</b> , strong 3-in., fine stock for benching..... | 5 00    |
| <b>Coleus</b> , mixed.....                                             | 2 00    |
| <b>Coleus</b> , Verschaffeltii and Golden Bedder.....                  | 2 50    |
| <b>Echeveria Secunda</b> Glauca.....                                   | 4 00    |
| <b>Geraniums</b> , Mme. Salleri, strong 2-in.....                      | 3 00    |

**I. N. KRAMER & SON,**  
CEDAR RAPIDS, IA.

## Jerusalem Cherries,

2-in. \$1.50 per 100.

**Feverfew**, 2-in., 2c; **Dusty Miller**, 2-in., 1½c; **Cuphea**, 2-in. \$1.50 per 100; **Coleus**, 2-in., \$1.50 per 100; **Maurandia**, 2-in., \$1.50 per 100; **Thunbergia**, 2-in., \$1.50 per 100; **Heliotrope**, 2-in., 1½c; **Zinnia**, Fireball, Marigold, Eldorado, 2-in. \$1.25 per 100.

**ROOTED CUTTINGS**, prepaid: **Cuphea**, 75c per 100; **Coleus**, 10 kinds, 60c per 100, \$5.00 per 1000; **Alternanthera**, red, 50c per 100, \$4.50 per 1000; **Ageratum**, 3 kinds, 60c per 100; **dbl. Petunias**, 10 kinds, \$1.00; **Stevia**, 75c per 100, \$6.00 per 1000.

Cash with order.

**BYER BROS.,** Chambersburg, Pa.

Cleveland.

June business is keeping up remarkably well; stock of all kinds is plentiful and sells at lower prices, while the variety is all that can be desired. Peonies are the flower just now, the warm spell bringing them in by the thousands. Carnations are beginning to show the effects of the warm weather. Sweet peas are overplentiful. Roses are showing the effects also, but have so far kept up remarkably well. Ferns have been a little scarce the past week. Asparagus is more plentiful. Smilax is a little short of the demand. Kaiserin rose is coming in in good shape and is very plentiful.

NOTES.

L. L. Lamborn, of the Lamborn Floral Co., Alliance, and his wife, each suffered the loss of a parent the past week. Mr. Lamborn, through the death of his father, Dr. Levi L. Lamborn,

# LOOK! BARGAINS IN Bedding Plants AT STINGING PRICES

For Immediate Shipment. Now Ready. Strictly Last Chance.

|                                                                                                                                   | Per 100                                    |
|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| <b>Cannas</b> John D. Eisele (best red), 4-in.....                                                                                | \$8.00                                     |
| <b>Cannas</b> , Richard Wallace (best red canna in existence, rapid grower, a new variety), Fuerst Bismarck, Kate Gray, 4-in..... | 7.00                                       |
| <b>English Ivy</b> , 4-in.....                                                                                                    | 10.00                                      |
| <b>Scarlet Sage</b> , Clara Bedman or Bonfire (in bloom), 4-in.....                                                               | 7.00                                       |
| <b>Ageratum</b> , dwarf, best blue, 4-in.....                                                                                     | 7.00                                       |
| <b>Fuchsias</b> , assorted colors, 4-in.....                                                                                      | 7.00                                       |
| <b>Lantanas</b> , assorted, 4-in.....                                                                                             | 7.00                                       |
| <b>Echeveria Glauca</b> for borders and large beds, fine strong plants.....                                                       | 5.00                                       |
| <b>Geraniums</b> , La Favorite, best double white, 4-in, pots, in bloom.....                                                      | 7.00                                       |
| <b>Geraniums</b> , other best varieties, such as Beaute Poitevine, in bloom.....                                                  | 7.00                                       |
| <b>Crimson Rambler Roses</b> , 7-8 in. pots.....                                                                                  | 75c. \$1.00. \$1.25 to \$1.50 each         |
| <b>Rambler Roses</b> , Dorothy Perkins, one of the best Ramblers of the pink variety, pot-grown plants, 5½ to 6 in. ....          | 35c. 40c. 50c                              |
| <b>Nephrolepis</b> (Ferns), Scholzei, 4-in.....                                                                                   | 25c                                        |
| <b>Scottii</b> , Whitmani, Boston, medium size, 4-in. 20c                                                                         |                                            |
| <b>Rubbers</b> , 4 in.....                                                                                                        | 25c                                        |
| <b>Primula Obconica</b> , 5-in., blue, in bloom.....                                                                              | \$2.00 per doz.                            |
| <b>Dracena Indivisa</b> , 5 to 5½-in. pots.....                                                                                   | 25c each                                   |
| <b>Begonia Flambeau</b> , 6-in.....                                                                                               | 25c each                                   |
| <b>Vinca Variegata</b> or Perriwinkle, 2½-in.....                                                                                 | \$3.00 per 100                             |
| <b>Double Petunias</b> , 5 to 5½ in.....                                                                                          | 15c                                        |
| 4-in.....                                                                                                                         | \$7.00 per 100                             |
| <b>Heliotrope</b> , 4-in.....                                                                                                     | 7c                                         |
| <b>Kentia Forsteriana</b> , 6 to 7-in., 40 to 50 in. high and over.....                                                           | \$2.00. \$2.50 to \$3.00 each              |
| <b>Kentia Forsteriana</b> , 30-35 40-50 in. high.....                                                                             | 75c. \$1.00. \$1.25. \$1.50 to \$2.00 each |
| <b>Kentia Belmoreana</b> , 25-30-35 40 in. high.....                                                                              | 75c. \$1.00. \$1.25. \$1.50 to \$2.00 each |
| <b>Kentia Belmoreana</b> , 3-in.....                                                                                              | 10c each                                   |
| <b>Ricinus</b> or Castor Oil Plant, 4-in.....                                                                                     | 15c                                        |

## In Small Plants

we have the following in 2½ to 3-in. pots, at \$3.00 per 100:

**Verbenas**, assorted colors.  
**Phlox Drummondii**, dwarf and grandiflora.  
**Cosmos**, red, white and pink (assorted or mixed).  
**Coleus**, Golden Bedder, Queen Victoria (fancy colors, 4c).  
**Petunias**, Inimitable. Dwarf and Rosy Morn.  
**Sweet Alyssum**, Carpet of Snow or Little Gem.  
**Tradescantia**, two colors.  
**Thunbergia**, or Black Eyed Susan.  
**Lobelia**, Crystal Palace, blue, dwarf and trailing.  
**Centaurea Gymnocarpa** (Dusty Miller).

## GODFREY ASCHMANN

Wholesale Grower and Importer of Potted Plants. 1012 West Ontario St., PHILADELPHIA, PA.

## Carnations

**F. DORNER & SONS CO.**  
La Fayette, Ind.

## FLORISTS' ASTERS

Field-grown—Separate colors.

**CREGO**, White, Shell Pink and Rose.  
**SEMPLE'S**, Purple and Lavender.

\$2.50 per 1000 by express; 50c per 100 by mail.  
Cash with order.

**A. & G. ROSBACH**, Pemberton, N. J.

and Mrs. Lamborn through the death of her mother, Mrs. Weybrecht. Both were prominent in Alliance society. To Dr. Lamborn is due the credit of the carnation becoming a national emblem. He purchased three of the first carnations brought to America from Germany. It was Dr. Lamborn who presented to President McKinley the carnation that he wore as his first emblem, to afterwards become its devotee. He also wrote "American Carnation Culture," which has passed through



**California Giant Petunia**, 3-in., \$5.00 per 100.  
**Asters**, Victoria, 5 separate colors, 2½-in., 3c.  
**Zinnia Elegans**, best double dwarf, assorted 2½-in., \$3.00 per 100.  
**Candytuft**, white only, \$3.00 per 100.  
**Acalypha**, 2½-in., \$3.00 per 100.  
**English Ivy**, 3-in., \$5.00 per 100.  
**Nasturtiums**, Empress of India, 3-in. pots, \$4.00 per 100;

Don't forget that we are the growers and shippers of **Ipomoea Noctiflora**, the pure white Moonvine, with flowers as big as a saucer, very fragrant and the earliest Moonvine in existence, for which we have a world-wide reputation for the past twenty-five years: grows 50 feet and over in one season; over 25,000 are shipped every spring all over America, south, north, west and east. Mexico and Cuba; 2½-in. pots, \$5.00 per 100; 4-in., \$12.00 per 100.

## ARAUCARIA EXCELSA.

7,000 arrived from Europe, all grown from top cuttings by our specialist in Araucarias in Belgium. Remember, our 25 years' experience in importing, growing and shipping Araucarias has put us in the foreground with these beautiful plants. Every florist in America knows this well without any further noise. Fill your empty houses now. These plants will grow into money for you while you sleep. You only lose money by waiting. Look and consider our low prices for first-class stock. Our plants are finer this year than ever before.

Plants, 3, 4 and 5 years old, with 3, 4, 5 and 6 tiers, 12-15-18-20-25 in. high, 35c, 40c, 50c, 60c, 75c to \$1.00 each.

**Robusta** and **Glauca**, at \$1.00 to \$1.25 each.

Cash with order, please.

All plants must travel at purchaser's risk.

## Bench Plants

| One-year-old                 | 1000           |
|------------------------------|----------------|
| <b>American Beauty</b> ..... | \$30 00        |
| <b>Richmond</b> .....        | 30 00          |
| 3-inch pots                  | 100 1000       |
| <b>Killarney</b> .....       | \$5.00 \$40 00 |

Owing to changes in our plans we have a few thousand specially prepared **Killarneys** in 3-inch pots to offer while they last at the above low prices. Writetoday.

## GEORGE REINBERG

51 Wabash Avenue, CHICAGO.

## SPECIALTIES.

**Roses**, from 3-in pots. **Chrysanthemums**  
**Carnations** for fall delivery. **Smilax**, **Violets**

IN BEST VARIETIES.

Prices low. Send for list.

## Wood Brothers, FISHKILL, New York.

several editions and has become a recognized standard work with florists, and he made a plea for the carnation to become the flower of the state of Ohio.  
C. B.



# FLORISTS' 'MUMS

| EARLY                  | From Pots |         |
|------------------------|-----------|---------|
|                        | 100       | 1000    |
| Clementine Touse,..... | \$ 3.00   | \$25.00 |
| Comoleta,.....         | 4.00      | 30.00   |
| Gloria,.....           | 4.00      | 30.00   |
| Glory of Pacific,..... | 3.00      | 25.00   |
| Ivory,.....            | 3.00      | 25.00   |
| Monrovia,.....         | 3.00      | 25.00   |
| Pacific Supreme,.....  | 3.00      | 25.00   |
| Polly Rose,.....       | 3.00      | 25.00   |
| October Frost,.....    | 3.00      | 25.00   |
| Pink Ivory,.....       | 3.00      | 25.00   |

| MIDSEASON               | From Pots |         |
|-------------------------|-----------|---------|
|                         | 100       | 1000    |
| A. J. Balfour,.....     | \$ 3.00   | \$25.00 |
| Col. D. Appleton,.....  | 3.00      | 25.00   |
| Crocus,.....            | 3.00      | 25.00   |
| Dr. Enguehard,.....     | 3.00      | 25.00   |
| Mrs. W. E. Kelley,..... | 4.00      | 30.00   |
| Major Bonaffon,.....    | 3.00      | 25.00   |

| LATE                 | From Pots |         |
|----------------------|-----------|---------|
|                      | 100       | 1000    |
| Intensity,.....      | \$ 4.00   | \$30.00 |
| Nagoya,.....         | 4.00      | 30.00   |
| White Bonaffon,..... | 3.00      | 25.00   |

**Elmer D. Smith & Co.,** ADRIAN, MICH.

Cincinnati.

## MARKET OVERSTOCKED.

The less said about business the better. Stock of all kinds is pouring into the market and it is an utter impossibility to move one-half received. Roses and carnations are beginning to show the effects of the hot weather and lilies and sweet peas are about the only flowers of quality arriving. Some extra fine valley from George & Allan's greenhouses is to be had and the sweet peas from Geo. Corbett are also worthy of mention. Green goods of all descriptions are in quantity but not one-half the quantity arriving finds a market.

## NOTES.

The next meeting and election of officers of the Florists' Society will be held at Gus Adrian's place on Monday afternoon, July 11, at 3 o'clock. After the meeting we will be the guests of Gus Adrian and wife and this is enough to convince the members that an enjoyable time is in store for them.

Alfred Murphy has his new 200-foot house finished and is planting the same to carnations. He will plant the carnations in solid beds as he is under the impression that the crops will hold out longer in solid beds than on benches.

Myer Heller of New Castle, Ind., was a caller this week and says he is well satisfied with the way the Beauties behaved this winter and intends devoting more space than ever to this rose the coming season.

Miss White of Anderson & White, Lexington, Ky., was in the city last week looking up material for a new conservatory which the firm contemplates erecting in the near future.

Albert McCullough, president of the J. M. McCullough's Sons Co., is attending the seedsmen's convention at Atlantic City this week.

J. T. Herdegen of Aurora, Ind., must be pretty busy these days as he is a heavy buyer in this market.

Visitors: M. Poole of Poole & Purlant, Bellefontaine; C. W. Johnson of Chillicothe; J. Rose of the Sefton Mfg. Co., Chicago.

# Extra Fine .... Rose Stock Ready to Ship.

|                               | 2½-in.   | 3½-in.         | 2½-in.  | 3½-in.   |
|-------------------------------|----------|----------------|---------|----------|
|                               | 100      | 1000           | 100     | 1000     |
| White Killarney.....          | \$ 8.50  | \$75.00        |         |          |
| Pink " " " " " "              | 6.00     | 55.00          |         |          |
| White " " " " " "             | 12.00    | 110.00         | \$15.00 | \$140.00 |
| Pink " " " " " "              | 10.00    | 90.00          | 13.00   | 120.00   |
| My Maryland, " " " " " "      | 12.00    | 110.00         | 15.00   | 140.00   |
| My Maryland, " " " " " "      | 6.00     | 55.00          | 8.00    | 75.00    |
| Richmond,.....                | \$ 5.00  | \$45.00        | \$ 7.00 | \$65.00  |
| Brides,.....                  |          | 25.00          |         | 40.00    |
| Cardinal,.....                |          |                | 10.00   | 90.00    |
| Kaiserin,.....                |          | 30.00          |         |          |
| Perles,.....                  | 5.50     | 5.00           |         |          |
| American Beauties, 4-in. 100. | \$12.00; | 1000, \$110.00 |         |          |

# CHRYSANTHEMUMS

100,000 2½-in. Mums of the Following Varieties.

Good strong stock, ready for benching:

| WHITE.                 | 2½-in. per 100 | PINK.                         | 2½-in. per 100 |
|------------------------|----------------|-------------------------------|----------------|
| Robinson.....          | \$3.00         | Rosiere.....                  | \$3.00         |
| Clementine Touse,..... | 3.00           | McNiece.....                  | 3.00           |
| Alice Byron,.....      | 3.00           | Maud Dean.....                | 3.00           |
| Timothy Eaton,.....    | 3.00           | Dr. Enguehard.....            | 3.00           |
| White Bonaffon,.....   | 3.00           |                               |                |
| W. H. Chadwick,.....   | 4.00           |                               |                |
| YELLOW.                | 2½-in. per 100 | POMPONS.                      | 2½-in. per 100 |
| Golden Glow,.....      | 4.00           | YELLOW.                       |                |
| Halliday,.....         | 3.00           | Baby, Klondyke, Zenobia,..... | \$2.50         |
| Col. Appleton,.....    | 3.00           |                               |                |
| Major Bonaffon,.....   | 3.00           | WHITE.                        |                |
| Yellow Eaton,.....     | 3.00           | Lulu, Diana.....              | 2.50           |
| Chautauqua Gold,.....  | 3.00           | Baby Margaret,.....           | 4.00           |
| RED.                   | 2½-in. per 100 |                               |                |
| Schrimpton,.....       | 3.00           | Briola, pink,.....            | 2.50           |
| Intensity,.....        | 3.00           | Mrs. Beu, bronze,.....        | 2.50           |
|                        |                | Quinola,.....                 | 3.00           |

Smilax, 3-in.. \$4.50 per 100; \$40.00 per 1000.

**POEHLMANN BROS. CO.,** Morton Grove, Ill.

Mention the American Florist when writing

# Special Offer of Cannas

|                                                   |                                 |
|---------------------------------------------------|---------------------------------|
| Burbank, Yellow, green leaved.....                | Strong plants from 2½-in. pots. |
| Chas. Henderson, Red, green leaved.....           |                                 |
| Egandale, Red, red leaved.....                    |                                 |
| Florence Vaughan, Yellow, green leaved.....       |                                 |
| Louisiana, Red, green leaved.....                 |                                 |
| Leonard Vaughan, Red, bronzed leaved.....         | Dozen..... \$0.70               |
| Mme. Crozy, Red, green leaved.....                | Per 100..... 4.00               |
| Souv. d' A. Crozy, brighter than Mme. Crozy,..... |                                 |
| King Humbert, Red, bronze leaved.....             | Strong plants from 2½-in. pots  |
| New York, Red, bronze leaved.....                 |                                 |
|                                                   | Doz. \$1.25 Per 100 \$8.00.     |

**VAUGHAN'S SEED STORE,**

**Chicago and New York.**

Mention the American Florist when writing

# Geraniums

Rooted Cuttings. Ricard, Poitevine and S. A. Nutt: Orders booked for delivery on or before Oct 15th at \$10.00 per 1000.

## Smilax and Sprenger

Let me send you a sample. The Smilax is extra fine stock; Sprenger is good, but not large.

Smilax.....\$12.50 per 1000  
Sprenger.....15.00 per 1000

HARDY PLOX, rooted cuttings, in good assortment, mixed, at \$1.25 per 100, free by mail. Ready now.

GERMAN IRIS, good assortment, in mixture, ready in August, at \$2.00 per 100.

**ALBERT M. HERR,** Lancaster, Pa.  
Mention the American Florist when writing

# PALMS, FERNS AND Decorative Plants

**JOHN SCOTT,** Rutland Rd. & E. 45th St.  
BROOKLYN, N. Y.

# A New Fern NEPHROLEPIS GIATRASH

Awarded a Certificate of Merit by the Horticultural Society of New York.

Prices: In 2¼-inch pots, \$3.50 per dozen; \$25.00 per 100; \$200.00 per 1000. 25 plants at 100 rates; 500 plants at 1000 rates. Orders delivered in rotation as received. Now Ready for delivery,

**GEORGE GIATRASH,**  
463 Summit Ave., West Hoboken, N. J.

# Ferns for Dishes...

Assorted varieties, 2¼-in. pots, \$3.50 per 100; \$30.00 per 1000. Cash with order.

**FRANK OECHSLIN**  
4911 Quincy St. CHICAGO.



# Seventeen Years' Experience Back of Our Methods of Palm Growing

Seventeen years and every year we have learned something new! Then it was only a small feature of our business; now we have several large houses devoted to Palms alone, in all stages from the little seedling plant to stately specimens in large tubs, such as we show here. Our men, some of whom have literally "grown up with the business," are real palm experts.

Such palms as we grow **must** be better than ordinary imported stuff, and they **are**, as any number of our customers will gladly testify. Ours are clean, vigorous, healthy, acclimated; you can depend on them to give satisfaction, to please your trade, to bring you **more business**. And yet, as you'll see, our prices are no higher than you'd pay for the ordinary imported stock.

Let "Heacock Quality" guide you in placing your next order—we will give you the benefit of the choicest selections from this splendid stock, and can make shipments promptly.

"When in Philadelphia be sure to look us up."

**JOSEPH HEACOCK COMPANY, Wyncote, Pa.**



## Areca Lutescens.

3 plants to pot,  
6-in. pot, 26 to 28 in. high,  
\$1 00 each.  
7-in. pot, 30 to 32 in. high,  
\$2 00 each.  
8 in. pot, 36 in. high, \$2 50  
each.  
8-in. pot 42 in. high, \$3 00  
each.

## Kentia Belmoreana

5-in. pot, 6 to 7 leaves,  
18 in. hi-h, \$6 00 per  
dozen: \$50 00 per 100.  
5 in. pot, 6 to 7 leaves 20 in.  
high \$9 00 per dozen; \$70 00  
per 100  
6-in. pot, 6 to 7 leaves 22 to 24  
in. high, \$1 00 each; \$12 00  
per dozen.  
9-in. tub, 6 to 7 leaves, 42 to 48  
in. high \$5 00 each.  
9 in. tub 6 to 7 leaves 5 feet  
high, \$7 50 and \$8 00 each.

## Cocos Weddelliana.

2½-inch pot, 8 to 10-in. high, \$10 00 per 100.

## Made-Up Kentia Forsteriana.

Each.  
9-in. tub, 4 plants in tub, 42 to 48 in. high, \$ 4 00  
12-in. tub, 4 plants in tub 6 feet high,..... 15 00

## Phoenix Roebelinii.

Each.  
5-in. pots, nicely characterized..... \$1 00  
6-in. pots, nicely characterized..... 1 50

## Chicago Notes.

Vaughan & Sperry say the demand from out-of-town points keeps up remarkably well. Good stock is being shown in all varieties, particularly roses, gladioli and all kinds of greens, including good Mexican ivy. Conscious of a good season's business well done, Lloyd Vaughan is beginning to lean back in his chair, to have visions of the Wisconsin lakes and big muskellunge, and to beam benevolently upon and all and sundry. He leaves for Woodruff, Wis., about July 1, and if the muskies don't bite there he will go further on, putting in about a month. Mrs. Vaughan will accompany him.

The Western Union Telegraph Co. is canvassing the wholesalers with a view to finding out their opinions as to the return of messages delivered when the stores are closed, after noon of Sundays and holidays. It would certainly be a great advantage to those sending these messages to know that the firms they were intended for were not doing business. Some simple form should easily be arranged whereby this could be done with little expense either to sender or receiver.

John Sinner, of Sinner Bros., says field daisies are good sellers these days. He took an order recently for 30,000 and daily sells large numbers. The earlier planted roses look fine at the greenhouses and they are now busy with the later plantings.

John Mangel has a cool looking attractive window with miniature pond and water lilies in which a number of little ducks are having a great time. Crowds of people surround the window daily.

Richmond and Beauty roses and good flowers of *Cattleya gigas* are the

principal showings at Geo. Reinberg's this week.

C. W. McKellar reports sales on orchids as keeping well up and he is handling a fine line of *Cattleya gigas*.

Visitors: T. B. West, Perry, O.; W. F. Duntzman, Bensenville; Wm. Swinbank; Sycamore; J. Y. Lambert, of the Savanna Floral Co., Savanna; Wm. Terrell, of the Lake View Greenhouses, Warsaw, Ind.

## Detroit.

### A GLUT OF STOCK.

The most deplorable condition of the flower market ever witnessed in this city distressed all in the trade during the whole of the past week. The regular retailers with special low-priced sales, the department stores, sidewalk vendors, grocers and others were enlisted in the frantic efforts to reduce the enormous stock which kept coming in increasing quantities as the days passed. Peonies, many of them elegant, but others too soft and open, aggravated the situation, which was bad enough, with the influx of thousands of carnations, roses and sweet peas many times in excess of the possible demands at this season of the year. Among the retailers were found sales about equal to the same period a year ago, but the total was so much less than the enormous supply that comparison was both difficult and disagreeable. Owing to the intense heat much of the stock shipped in was barely worth the express charges, even under normal conditions, and great will be the disappointment to many of the growers when returns are made on such stock.

Robt. Watson is tearing down four houses and will rebuild into three

# Asparagus Sprengeri

100 seeds, 15c; 250 seeds, 25c.  
1000 seeds, 75c; 5000 seeds, \$3.25.

**Vaughan's Seed Store**  
Chicago New York  
96 & 98 Randolph Street 25 Barclay Street

houses, each 16x100 feet with high gutters. He will replace steam with a hot water system and will add many other improvements to his plant. He has just ended a successful season, having disposed of all salable stock.

Walter Taepke will bid adieu to bachelorhood June 23, when he will be married to Miss Grace Price. The wedding tour of the happy couple will be eastward and is planned to be quite extended.

Raleigh Wells, late foreman at Central Nursery Co., Kalamazoo, is now one of the force at the Michigan Cut Flower Exchange.

A. J. Stahelin, Sand Hill, is building a new home and rumor has it that a bride will share its occupancy with him next fall.

Visitor: J. F. Smith, Philadelphia, Pa. J. F. S.



# Orchids

## Just Arrived

In Splendid Order

Cattleya Trianae, Cattleya Bowringiana, Cattleya Schroederæ, Mendelii and Gigas Sanderiana.

Also Laelia Anceps and Albida.

These plants are fresh collected and in splendid order.

A few Laelia Anceps Alba, \$2.50 each.

**G. L. FREEMAN CO.**

FALL RIVER MASS.

Mention the American Florist when writing

## CHRYSANTHEMUMS

Good transplanted cuttings, ready for benching. Opah, Oct. Frost, Glory Pacific, Monrovia, Touset, Ivory, P. Ivory, White Bonaffon, Clay Frick, J. Nonin.

\$1.25 per 100; \$10.00 per 1000.

**D. H. GREEN,** West Grove, Pa.

Kansas City.

PLENTY OF POOR STOCK.

The heavy rains have let up and summer weather has set in, bringing out quantities of stock. Although there are plenty of roses, the quality has been very poor and a great percentage of the stock has been thrown away. Kaiserin and Carnot have held up fairly well, but Bride and Bridesmaid have been very poor—there being very few real good flowers. Beauties have been in excellent demand with too few to supply it, but Minnehaha, which is arriving in numbers, very readily takes the place of the popular favorite. The outdoor sweet peas are of exceptionally fine stem and color, which makes the sales of them very fast. Valley is only medium, as are also irises and gladioli. Carnations are holding out much better than is usually the case at this time of the year. Prices have held well—the select stock bringing easily \$3 per 100. Green goods, such as Asparagus plumosus, A. Sprengeri and smilax, have been plentiful and in good demand. The new crop of ferns has arrived from the north and is in excellent condition.

NOTES.

Miss Hattie Jewell says that her recent move to larger quarters has been a great benefit to her business, which has been rapidly growing the past few months.

Jas. Popodukas left last Friday for Greece. He will return early next fall with his bride. His brother, George, is now in charge of his establishment.

M. F. Parker, president of the Geo. M. Kellogg Flower & Plant Co.,

# Nephrolepis...

**Bostoniensis** We have a splendid lot of large specimen plants in 12-in. pots at from \$5.00 to \$7.00 each. 6-in. at 50c each.

**Elegantissima Improved** The finest of this type, never reverting to the Boston type. Fine plants, 2½-in. pots, \$10.00 per 100; 4-in. 25c each; 6-in. 50c each; 8-in. \$1.00 each.

**Superbissima** Extra heavy plants, 4-in. pots, 25c each; 6-in. 50c each; 8-in. \$1.00 each.

## BEDDING STOCK.

|                                               | Per 100 |                                           | Per 100 |
|-----------------------------------------------|---------|-------------------------------------------|---------|
| Abutilon Savitzki, 2½-in. pots.....           | \$4 00  | Geraniums, double assorted and rose       |         |
| Acalypha Muscica, 2½-in. pots.....            | 6 00    | 3½-in. pots.....                          | 8 00    |
| Ageratum, three sorts, 2½-in. pots.....       | 3 00    | Geraniums, Mme. Salleron, 2½-in. pots...  | 5 00    |
| Alternantheras, three sorts, 2½-in. pots..... | 3 00    | Heliotrope, 2½-in. pots.....              | 3 00    |
| Alyssum, 2½-in. pots.....                     | 3 00    | Moonflower, 2½-in. pots.....              | 4 00    |
| Asters, assorted, 2½-in. pots.....            | 3 00    | Nasturtium, assorted, fine, 3-in. pots... | 4 00    |
| Cannas, finest sorts—Beaute de Poitevine      |         | Petunias, 2½-in. pots.....                | 4 00    |
| Buttercup, Souv. d'Antoine Crozy,             |         | Salvia splendens, 2½-in. pots.....        | 3 00    |
| Piersons Premier and Florence Vau-            |         | Vinca Variegata, 3½-in. pots.....         | 8 00    |
| ghan—strong plants, 3½-in. pots.....          | 6 00    | Hydrangea Otakaa, 4-in. pots, in bud      |         |
| Cobaea scandens, 2½-in. pots.....             | 4 00    | and bloom, one bloom per plant,           |         |
| Coleus, Golden Bedder, Verschaffeltii         |         | per dozen.....                            | \$1 50  |
| and assorted, 2½-in. pots.....                | 3 00    | Egg Plants, New York Improved.....        | 4 00    |
| Crotons, assorted, 3½-in. pots.....           | 25 00   |                                           |         |

**F. R. PIERSON CO.,**

Tarrytown-on-Hudson, N. Y.

## I Am Disposing of the Florham Farms Collection of ORCHIDS

and can quote established plants of Cattleya Trianae, Schroederæ, Labiata, in 5 to 8 in. pots, at \$2.00 per plant. Cypripedium Leeannum, in pans, from 5 to 8 in., 50c to \$3.00 each.

**CHARLES H. TOTTY,** Madison, N. J.

## Orchids



Arrived: Cattleya Trianae, C. Gaskelliana, Oncidium varicosum, O. crispum, O. Forbesi, O. Harrisonianum, Miltonia cuneata, Odontoglossum grande; Laelias, purpurata, grandis tenebrosa and flava.

**Lager & Hurrell Summit, N. J.**

Mention the American Florist when writing

## ORCHIDS...

Largest Importers, Exporters, Growers, and Hybridists in the World.

**SANDER, St. Albans, Eng.**

On July 1 our NEW YORK OFFICE will be transferred to 258 Broadway, Room 721. T. MELLSTROM, Agent.

Pleasant Hill, was in the city last week buying supplies for the green-houses.

We understand that Ed. Humfeld as extended his lease for another year and will therefore put off the erection of his conservatory until next season.

Fred Fromhold, manager of the W. L. Rock Flower Co., has been absent the past week on account of sickness.

Mrs. T. Mosley reports that June business has eclipsed previous years by a large margin.

Arthur Zirkman was calling on the trade last week with an excellent line of supplies.

MISSOURI.

## Orchids..

We have changed our domicile from Secaucus, N. J., to Mamaroneck, N. Y. We are largest collectors and importers of Orchids and are now booking orders for all the commercial Cattleyas for delivery next spring.

**GARRILLO & BALDWIN, Mamaroneck, N. Y.**

## Robert Craig Co...

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

DO YOU GROW 'MUMS?

## White Helen Frick

The Best and Only Late White. Fine stock from 2½-inch pots. \$3.00 per 100, \$75.00 per 1000.

**HENRY EICHHOLZ,** Waynesboro, Pa.

## Asparagus Plumosus

Strong 2-in. pots, \$2.25 per 100, \$20.00 per 1000.

## ROSES

Brides, Maids and Richmonds. Clean, extra strong, 2½-in., \$3.00 per 100, or will exchange for White Killarney at market rates.

**W. W. COLES,**

Kokomo, Ind



# TRADE LIST

**Clematis**, *paniculata*, strong plants, \$10.00 per 100;

**Passiflora** *coerulea*, 3-in. pots \$5.00 per 100.

**Rose** *Geraniums*, 3-in. pots, \$4.00 per 100.

**Honeysuckle**, *Woodbine*, 4-in. pots, \$1.50 per doz.

Plants from 2½-in. pots, \$3.00 per 100; **Achyranthes**, *Parlor Ivy*, *Ageratum*, blue; **Colcus**, *Verschaffeltii* Queen Victoria, *Quadricolor*; **Impatiens** *Holstii*; **Alternantheras**, 4 varieties; **Chrysanthemums**, *White Cloud*, *Pacific Supreme*, *Golden Glow*, *Ivory*, *Bailey*, *Klondike*, *Lulu*.

**Asparagus Sprengeri**, 2-in. pots, \$2.00 per 100; 2½-in. pots, \$3.00 per 100.

**Salvia**, *Bonfire*, 3-in. pots, \$4.00 per 100.

**Moonvine**, white, 3-in. pots, \$5.00 per 100.

**Ampelopsis Veitchii**, 4-in. pots, \$10.00 per 100.

**Asparagus Sprengeri**, strong plants from 3-in. pots, \$5.00 per 100.

**Clematis vitalba**, strong transplanted seedlings, \$1.00 per 100, \$8.00 per 1000. This is one of the fastest growing vines, covered with long sprays of sweet-scented white flowers the whole summer.

**C. EISELE,**

11th and Westmoreland Sts. Philadelphia, Pa.

Tarrytown, N. Y.

JUNE FLOWER SHOW.

The annual rose and strawberry exhibition of the Horticultural Society was held in the Lyceum June 14. The exhibition was the finest the society has ever held. On account of the unusual amount of wet weather, there was available a remarkably fine lot of roses, fruits and vegetables. Frau Karl Druschki rose was in elegant shape. F. R. Pierson Co. made a very fine exhibit, consisting of palms, peonies, climbing roses and sprays of mountain laurel. Scott Bros. had a good exhibit of peonies and roses. Miss Blanche Potter and Mrs. J. B. Trevor had fine exhibits of sweet peas. A cultural certificate was awarded Mrs. J. B. Trevor (Howard Nichols, gardener) for a very fine plate of Sharpless strawberries. A certificate of merit was also awarded Mrs. Trevor for a new seedling climbing rose, *Glen View*. A certificate of merit was awarded the park department of White Plains for a collection of rugosa roses. A certificate of merit was awarded H. Darlington for *Chrysanthemum Pride of Seven Oaks*. A variegated rose, exhibited by Miss Blanche Potter, attracted considerable attention. Ferdinand Hermann received honorable mention for an exhibit of flowers of *Magnolia macrophylla*, roses, etc. Joseph Eastman received honorable mention for an exhibit of campanulas, and Richard Livingston for a plate of cherries. The other awards were as follows:

Collection of flowers cut from hardy perennials.—Miss Blanche Potter (Geo. Wittlinger, gardener), E. H. Weatherbee (Frank Milne, gardener), special prize.

Vase of 25 blooms of hybrid perpetual roses, assorted.—Gen. E. A. McAlpin (John Woodcock, gardener).

Collection of outdoor roses.—Gen. E. A. McAlpin; Mrs. Hicks Arnold (Wm. Grierson, gardener), special prize.

Six varieties of outdoor roses, six each.—Gen. E. A. McAlpin.

Three varieties of outdoor roses, six each.—Mrs. J. B. Trevor.

Twelve outdoor roses, any one variety.—Mrs. Henry Siegel (Thomas Aitchison, gardener).

Single vase of roses.—H. Darlington (F. W. Popp, gardener).

Display of outdoor climbing roses.—Mrs. J. B. Trevor.

Twelve roses, Frau Karl Druschki.—Mrs. Henry Siegel.

# Chrysanthemums

Fine young stock from 2½-inch pots. Immediate Shipment.

| WHITE               | Per 100 | PINK               | Per 100 | YELLOW              | Per 100 |
|---------------------|---------|--------------------|---------|---------------------|---------|
| C. Touset,.....     | \$3 00  | Rosiere,.....      | \$3 00  | Golden Glow,.....   | \$4 00  |
| Oct. Frost,.....    | 3 00    | Mayor Weaver,..... | 3 00    | Monrovia,.....      | 3 00    |
| Alice Byron,.....   | 3 00    | Enguehard,.....    | 3 00    | Yellow Touset,..... | 4 00    |
| H. W. Buckbee,..... | 3 00    | Rosette,.....      | 4 00    |                     |         |
|                     |         | Pink Ivory,.....   | 3 00    |                     |         |

Special prices quoted on a quantity.

## ROSES---STRONG YOUNG 3½-in. STOCK

| 100                  | 1000           | 100                  | 1000       |
|----------------------|----------------|----------------------|------------|
| Maryland, 3½-in..... | \$6 00 \$55 00 | Richmond, 3½-in..... | 5 00 45 00 |

# J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and  
Carnations  
A Specialty....

WHOLESALE  
GROWER of

CUT FLOWERS



## CALLA LILY BULBS

Prices quoted for July delivery.

## Narcissus Bulbs

Write for wholesale price list.

Planting stock of

**America Gladiolus Bulblets**

at \$3.50 per 1000, postpaid.

**LEEDHAM BULB CO.,** Santa Cruz, California.

## A FEW GOOD THINGS YOU WANT.

**Rex Begonia**, 2-in. \$5.00 per 100.  
**Geraniums**, Nutt. Perkins, Grant, La Favorite, R. C., \$1.25; 2-in. pots, \$2.00; 3-in., \$4.00 per 100; *Viaud*, *Castellane*, *Poitevine*, *Jaulin*, *Ricard*, *Buchner*, R. C., \$1.50; 2-in. pots, \$2.50; 3-in., \$5.00 per 100.  
**Asparagus Plumosus**, 2-in., \$3.00 per 100; 3-in., \$5.00 per 100. Cut fronds 25c per bunch.  
**Whitman Ferns**, 4-in. 25c each.  
**Vinca Var.**, 2-in. \$2.00 per 100.  
**Roses**, Bride, Maids and Gates, 3-in., \$5.00 per 100.  
**Dracena Ind.**, 4-in., \$10.00 per 100.  
**Colcus** and **Alternanthera**, red and yellow; **Verbenas**, **Heliotrope**, **Cigar Plant**, **Scarlet Sage**, **Zurich**, always in bloom, 2-in., \$2.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order

**GEO. M. EMMANS,** Newton, N. J.

Collection of sweet peas.—Mrs. J. B. Trevor; special prize to Miss Blanche Potter, also cultural certificate.

Display of antirrhinums.—Mrs. J. D. Archbold.

Vase roses (for amateurs only).—C. H. Tibbits.

Bouquet of wild flowers.—Annie Gibson, first; Margaret Gibson, second.

Twenty-four blooms of hybrid tea or tea roses, grown outdoors, not less than 12 varieties.—Gen. E. A. McAlpin.

Collection of wild flowers.—Ethel F. Lee, first; Carolyn Rosenstein, second; Harold Neubrand, third; Agnes Hughes, fourth.

Collection of flowers cut from hardy shrubs.—E. H. Weatherbee.

The principal prize winners in the classes for strawberries were Joseph Eastman (Robt. Augus, gardener), and Richard Livingston. For vegetables, Mrs. J. B. Trevor and Joseph Eastman were most successful. Miss Blanche Potter won in the class for a collection of greenhouse fruit.

## Chrysanthemum Cuttings

Now booking orders for June delivery.

| WHITE               | Per 100 | 1000    |
|---------------------|---------|---------|
| Oct. Frost,.....    | \$2 00  | \$15 00 |
| Touset,.....        | 2 00    | 15 00   |
| Wanamaker,.....     | 2 00    | 15 00   |
| White Cloud,.....   | 2 00    | 15 00   |
| YELLOW              |         |         |
| Monrovia,.....      | 2 00    | 15 00   |
| Oct. Sunshine,..... | 2 00    | 15 00   |
| Appleton,.....      | 2 00    | 15 00   |
| Y. Eaton,.....      | 2 50    | 20 00   |
| Halliday,.....      | 2 00    | 15 00   |

**J. D. THOMPSON CARNATION CO.,**  
JOLIET, ILL.

# Vincas

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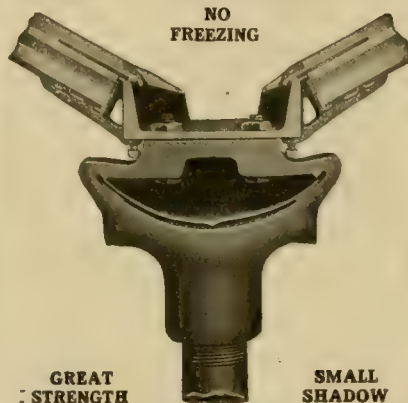
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Alternantheras, strong rooted cuttings. P. major, red, 50c per 100; \$4 per 1,000. A. nana, yellow, 50c per 100; \$4 per 1,000; Brilliantissima, best red, 60c per 100; \$5 per 1,000. R. R. Davis & Co., Morrison, Ill.

Alternantheras, red and yellow, \$2 per 100. Jos. H. Cunningham, Delaware, O.

Alternantheras, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

## AQUATIC PLANTS.

HARDY and TENDER NYMPHAEAS all classes. Choice assortment of aquatic plants, callias, etc. Prices on application. Edw. E. Schmid, 712 12th St. N. W., Washington, D. C.

## ASPARAGUS.

Asparagus Sprengeri, 2½-in. pots, fine stock, \$2.25 per 100; \$20 per 1,000. The Good & Reese Co., Largest Rose Growers in the World, Springfield O.

Asparagus Sprengeri, 2-in., \$3 per 100; 2½-in., \$6. Plumosus, 2-in., \$3; 3-in., \$7. D. U. Augspurger & Sons Co., Box 394, Peoria, Ill.

ASPARAGUS SPRENGERI, extra heavy, 2½-in., \$4 per 100. Wagner Park Conservatories, Sidney, Ohio.

Asparagus plumosus, 2½-in., \$2 per 100. Sprengeri, 2½-in., \$2. Jos. H. Cunningham, Delaware, O.

Asparagus Sprengeri, 2-in., \$2 per 100; 2½-in., \$3. S. Elsele, 11th and Westmoreland Sts., Philadelphia.

Asparagus Sprengeri, 4-in., 9c each. Mosbaek Greenhouse Co., Onarga, Ill.

Asparagus Sprengeri, \$15 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus Sprengeri, 2½-in., \$2 per 100; 200 for \$5. J. C. Schmidt, Bristol, Pa.

Asparagus Sprengeri, 3-in., \$4 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus plumosus, 2-in., \$2.25 per 100; \$20 per 1,000. W. W. Coles, Kokomo, Ind.

## ASTERS.

Asters. Extra fine stock in choice varieties, 2-in., \$2 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Asters, Cremo, Semples, purple and lavender, 50c per 100; \$2.50 per 1,000. A. & G. Rosbach, Pemberton, N. J.

## AUCUBAS.

Aucubas. Bobbink & Atkins, Rutherford, N. J.

## AZALEAS.

Azaleas. Jacs Smits, Naarden, Holland.

## BAY TREES

Bay trees. For prices and sizes, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago & New York.

BAY TREES, all sizes of best quality. Write for prices. Wagner Park Conservatories, Sidney, Ohio.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

## BEDDING PLANTS.

Bedding plants: Asters, Semple's Branching, Queen of the Market, from field, \$1.75 per 1,000. Geraniums, heliotrope, scarlet sage, 4-in., \$4 per 100. Alyssum, verberna, Dusty Miller, phlox, Primula obconica, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Bedding plants: Cannas, J. D. Elsele, 4-in., \$8 per 100; Bismarck, A. Bouvier, R. Wallace, Kate Gray, King Humbert, 4-in., \$7. English ivy, 4-in., \$10. Begonia Ertfordi, 4-in., \$8; Vernon, 4-in., \$7 and \$8; 3-in., \$5. Lemon Verbenas, 4-in., \$7. Scarlet sage, Bedman and Bonfire, 4-in., \$7. Ageratum, 4-in., \$7. Fuchsias, 4-in., \$7. Dbl. petunias, 4-in., \$7. Lantanas, 4-in., \$7. Echeveria glauca, \$3 to \$5. Geraniums, 4-in., \$7; Beaute Poitevine, Nutt, Viad, \$7; Viad, 5½ and 6-in., 15c and 20c. Cobea scandens, 4-in., 10c. Primula obconica, 5-in., \$2 per doz. Dracena indivisa, 5 and 5½-in., 25c. Begonia Flambeau, 6-in., 25c. Small plants, 2½ and 3-in., \$3 per 100; Verbenas, phlox, cosmos, coleus, petunias, sweet alyssum, tradescantia, thunbergia, salpiglossis, lobelia, cornflowers, Centaurea Gym., parlor or German ivy, 3c; giant petunia, 3-in., \$5. Maurandia Bar, 5c. Asters, 2½-in., 3c. Moonvines, 2½-in., \$5 per 100; 3-in., \$8; 4-in., \$12. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Bedding stock: Abutilon Savitzi, 2½-in., \$4 per 100. Acalypha, 2½-in., \$6. Ageratum, 2½-in., \$3. Alternantheras, 2½-in., \$3. Alyssum, sweet, 2½-in., \$3. Asters, asst., 2½-in., \$3. Cannas, B. Poitevine, Buttercup, Souv. de A. Crozy, Pierson's Premier, F. Vaughan, 3½-in., \$6. Cobea Scandens, 2½-in., \$4. Coleus, asst., 2½-in., \$3. Crotons, 3½-in., \$25. Geraniums, dbl. asst. and rose, 3½-in., \$8; Sallerol, 2½-in., \$5. Heliotrope, 2½-in., \$3. Moonflower, 2½-in., \$4. Nasturtiums, 3-in., \$4. Petunias, 2½-in., \$4. Salvia Splendens, 2½-in., \$3. Vinca var., 3½-in., \$8. Hydrangea Otakisa, 4-in., \$1.50 per doz. F. R. Pierson Co., Tarryton-on-Hudson, N. Y.

Bedding plants: Geraniums, 2-in., Nutt, Viad, \$2.50 per 100; 3-in., \$4.50; 4-in., \$6. Dbl. petunias, 2½-in., \$2.50. Ageratum, 2-in., \$2. Heliotrope, 2-in., \$2. Alyssum, 2½-in., \$2. Lantanas, 2-in., \$2.50. Centaurea gym., 2½-in., \$2.50. Coleus, 2-in., \$2. Moonvines, 2-in., \$2.50; 2½-in., \$3. Feverfew, 2-in., \$2. Rose geraniums, 2-in., \$2. Sallerol, 2-in., \$2. Dracena indivisa, 2-in., \$3. Cyclamen, 3-in., \$8. Salvia, 2½-in., \$2.50; 1½-in., \$2. Fuchsias, 2-in., \$3; 3-in., \$6. D. U. Augspurger & Sons Co., Box 394, Peoria, Ill.

Bedding plants: Vinca var. R. C., \$8 per 1,000. Asters, \$2 per 1,000. Feverfew, 2-in., 2c. Dusty Miller, 2-in., 1½c. Alternantheras, 2-in., 2c. Cuphea, 2-in., \$1.50 per 100. Stock, 2-in., \$1.50 per 100. Coleus, 2-in., \$1.50. Maurandia, 2-in., \$1.50. Thunbergia, 2-in., \$1.50. Ageratum, 2-in., 1½c. Heliotrope, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

Bedding plants: Ageratum, Cineraria, Candidissima, Centaurea Gym., coleus, verbenas, heliotrope, fuchsias, lemon verbenas, salvias, Swainsona alba, 2-in., \$2 per 100; 3-in., \$3 per 100. Alternantheras, 2-in., \$2 per 100. Cannas, 3-in., \$3 per 100; \$25 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Bedding plants: Rose geraniums, 3-in., \$4 per 100. Honeysuckles, 4-in., \$1.50 per doz. Plants from 2½-in., \$3 per 100: Achyranthus, parlor ivy, ageratum, coleus, Golden feather, impatiens, Swainsona alba, alternantheras, chrysanthemums, salvias, Salvia Bonfire, 3-in., \$4. Moonvine, 3-in., \$5. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

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Begonia Lorraine and Agatha, 2½-in., twice transplanted, \$12 per 100; in 500 lots, \$50 the 500. Julius Roehrs Co., Rutherford, N. J.

Rex Begonias, 2-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

Begonia Gloire de Lorraine and Agatha, \$15 per 100; \$140 per 1,000. Turnford Hall, \$20 per 100. Pres. Taft, \$20 per 100. J. A. Peterson, Westwood, Cincinnati, O.

## BOXWOOD.

Box trees. For prices and sizes, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Box trees, all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

## BULBS.

Bulbs, Caladium esculentum, 5-7 ins., 35c per doz.; \$2 per 100; \$15 per 1,000; 7-9 ins., 50c per doz.; \$3 per 100; \$25 per 1,000; 12 ins. and up, \$1.75 per doz.; \$14 per 100. Gladiolus, Vaughan's Florists mixture, \$1.75 per 100; \$15 per 1,000. Good mixture, 90 cents per 100; \$7 per 1,000. Vaughan's Seed Store, Chicago and New York.

Gladiolus Alice Carey, the best white in cultivation, No. 1 bulbs, \$5 per 100 \$40 per 1,000. America, No. 1, \$4 per 100; \$30 per 1,000. Golden Nugget, best bright yellow, \$1.50 per doz.; \$10 per 100. Princess, \$1.25 per doz.; \$8 per 100. List free. E. Y. Teas Co., Centerville, Ind.

Bulbs, Gladiolus, Brechleyensis, May, Ceres, Isaac Buchanan, Pactoli, La Marck, Cinnamon vines, lilies, iris, oxalis. E. S. Miller, Wading River, L. I., N. Y.

Bulbs, Lillium longiflorum multi., 7-9, \$50 per 1,000. Giganteum, 7-9, \$65. Formosum, 7-9, \$65. Buds. 76 Barclay St., New York.

Bulbs, Harrisii and Formosum lilies, hyacinths, Paper White narcissus. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, calla lily and narcissus. America gladiolus bulblets, \$3.50 per 1,000. Leedham Bulb Co., Santa Cruz, Calif.

Bulbs, freesias, Bermuda white, ¼ to ¾ ins., \$9 per 1,000; ¾ to 1½ ins., \$7.50. Vaughan's Seed Store, Chicago and New York.

Chinese sacred lilies, \$3 per 100; \$25 per 1,000. Dinges & Conard Co., West Grove, Pa.

Bulbs, French, hyacinths, narcissus, freesia, Soleillet, Horticulture, Toulon, France.

Bulbs, all florists' varieties. H. E. Fiske Seed Co., Faneuil Hall Square, Boston.

Bulbs, Callas. Berrydale Exp. Gardens, Holland, Mich.

## CANNAS.

Cannas, Burbank, Henderson, Egandale, F. Vaughan, Louisiana, L. Vaughan, Mme. Crozy, Souv. d'A. Crozy, 2½-in., 70c per doz.; \$4 per 100. King Humbert, New York, 2½-in., \$1.25 per doz.; \$8 per 100. Vaughan's Seed Store, Chicago and New York.

## CACTI.

Cacti. Over 100 varieties of cacti, from \$7 per 100 up. Write for 28-page catalogue, and prices to the trade. Also Mexican Resurrection plants. The Francis E. Lester Company, Dept. 6, Mesilla Park, N. M.

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Carnations, Conquest, Sangamo, Mary Tolman, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., Joliet, Ill.

Carnations. Wood Bros., Fishkill, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It



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Extra fine stock of the following varieties:

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|------------------------|------------|--------|---------|
| Robinson .....         | 2½-in. per | \$3.00 | \$25.00 |
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| Alice Byron .....      | 3.00       | 25.00  |         |
| Timothy Eaton .....    | 3.00       | 25.00  |         |
| White Bonaffon .....   | 3.00       | 25.00  |         |
| W. H. Chadwick .....   | 4.00       | 35.00  |         |

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|                       |      |       |
|-----------------------|------|-------|
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| Halliday .....        | 3.00 | 25.00 |
| Col. Appleton .....   | 3.00 | 25.00 |
| Major Bonaffon .....  | 3.00 | 25.00 |
| Yellow Eaton .....    | 3.00 | 25.00 |
| Chautauqua Gold ..... | 3.00 | 25.00 |

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|                  |      |       |
|------------------|------|-------|
| Schrimpton ..... | 3.00 | 25.00 |
| Intensity .....  | 3.00 | 25.00 |

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|                     |      |       |
|---------------------|------|-------|
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| McNiece .....       | 3.00 | 25.00 |
| Maud Dean .....     | 3.00 | 25.00 |
| Dr. Enguehard ..... | 3.00 | 25.00 |

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|                               |         |        |
|-------------------------------|---------|--------|
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|-------------------------------|---------|--------|

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| Briola, pink .....     | 2.50 |  |
| Mrs. Beu, bronze ..... | 2.50 |  |
| Quinola .....          | 3.00 |  |

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|                                 |                   |
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| Oct. Frost, 2½-in. ....         | 20.00 per 1,000   |
| Merry Christmas, 2½-in. ....    | 20.00 per 1,000   |
| Roosevelt, 2½-in. ....          | 25.00 per 1,000   |
| Virginia Foehlmann, 2½-in. .... | 30.00 per 1,000   |

POEHLMANN BROS. CO., Morton Grove, Ill.

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| White.                         | Per 100 | Pink.                | Per 100 |
|--------------------------------|---------|----------------------|---------|
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| Estelle .....                  | 2.00    | Rosiere .....        | 2.00    |
| W. Bonaffon .....              | 2.00    | Dr. Enguehard .....  | 2.00    |
| Polly Rose .....               | 2.00    | Yellow .....         | Per 100 |
| Robinson .....                 | 2.00    | M. Bonaffon .....    | \$2.00  |
| W. Chadwick .....              | 3.00    | Monrovia .....       | 2.00    |
| Merry Xmas .....               | 2.00    | Robt. Halliday ..... | 2.50    |
| Yanoma .....                   | 2.00    | Golden Beauty .....  | 2.50    |
| Mrs. Buckbee .....             | 2.50    | Golden Glow .....    | 3.00    |
| Snow Queen .....               | 2.50    | Red .....            | Per 100 |
| White Ivory .....              | 2.00    | Intensity .....      | \$2.00  |
| C. Touse .....                 | 2.00    | Black Hawk .....     | 2.00    |
| Chas. R. Halliday, 2½-in. .... | 4.00    |                      |         |

**POMPONS, 2½-in.**

|                     |      |
|---------------------|------|
| Baby Margaret ..... | 4.00 |
| Baby .....          | 4.00 |

**WIETOR BROS.,**

51 Wabash Ave. Chicago.

Chrysanthemums, rooted cuttings. White—Baby Margaret, Touse, Estelle, A. Byron, Timothy Eaton, J. Nonin, Ivory, Desjouis, Pink—Amorita (very early), Glory of the Pacific, M. Dean, Mary Mann, Rosette, P. Ivory, Yellow—Golden Glow (very early), M. Bonaffon, Y. Eaton, Crema, Robt. Halliday, Golden Eagle, Yellow Jones, Golden Baby. Send for price list. Wm. Swayne, P. O. Box 215, Kennett Square, Pa.

**THE BIG LEADERS.** Prés. Taft (glistening curly white); Gloria (the Enchantress); Mrs. W. E. Kelley (yellow); also the Xmas dollar makers, J. Rosette and Golden Chadwick, plants, \$4; R. C. \$3. Frost, Early Snow, Touse, B. May, Nonin, Shaw, Enguehard, plants, \$2.50; R. C. \$1.50. Prime stock, guaranteed. Cash only. The Union City Greenhouses, Union City, Pa.

Chrysanthemums, Oct. Frost, Touse, Wan- amaker, W. Cloud, Monrovia, Oct. Sunshine, Appleton, Halliday, \$2 per 100; \$15 per 1,000. Eaton, \$2.50 per 100; \$20 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Chrysanthemums, Opah, Oct. Frost, G. Pacific, Monrovia, Touse, Ivory, P. Ivory, W. Bonaffon, C. Frick, J. Nonin, \$1.25 per 100; \$10 1,000. D. H. Green, West Grove, Pa.

Chrysanthemums, 2½-in. For varieties and prices, see advertisement elsewhere in this issue. J. A. Budlong, 37 Randolph St., Chicago.

White Helen Frick, 2½-in., \$8 per 100; \$75 per 1,000. Henry Eichholz, Waynesboro, Pa.

Chrysanthemums. We have 75 varieties, including singles and pompons, \$15 per 1,000. "Enough Sed." Ehman's, Corfu, N. Y.

Chrysanthemums. For varieties and prices see advertisement on page 1070. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

Chrysanthemum novelties. Charles H. Totty, Madison, N. J.

**CLEMATIS.**

Clematis paniculata, \$10 per 100; 3-in., \$5. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Clematis paniculata seedlings from pots for lining out, \$3 per 100. E. Y. Teas, Centerville, Ind.

Clematis paniculata, field-grown, 1-yr., 5c; 2-yr., 8c. Dingee & Conard Co., W. Grove, Pa.

**COLEUSES.**

Coleus, Golden Bedder, 2½-in., 2c. J. S. Hennon & Son, Wampum, Pa.

Coleus, 2½-in., \$1.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Coleus, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Coleus from sand, \$6 per 1,000. E. G. Hill Co., Richmond, Ind.

**CYCLAMENS.**

Cyclamen, from 2-in. pots, Stoldt's unrivalled strain, 5 separate colors; or mixed, 4c. Snow Queen, the finest fringed white, 6c. J. L. Schiller, Toledo, O.

Cyclamens, finest stock in separate colors, 3½-in. pots, \$10 per 100. Julius Roehrs Co., Rutherford, N. J.

**DAHLIAS.**

Dahlia Earl of Pembroke, \$4 per 100; field-grown, undivided roots. Order today. Wagner Park Conservatories, Sidney, O.

Dahlias, Pape & Bergman, Quedlinburg, Germany.

**DRACENAS.**

Dracena indivisa, 1-year, strong, bench grown, transplanted in Sept. \$1.50 per 100; \$12 per 1,000. Cash E. Fryer, Johnstown, Pa.

Dracena indivisa, 4-in., \$10 per 100. C. Eisele, 11th and Westmoreland St., Philadelphia.

Dracena indivisa, 4-in., \$10 per 100. Geo. M. Emmans, Newton, N. J.

Dracenas. Bobbink & Atkins, Rutherford, N. J.

**FERN.**

Over million and a half of Fern Seedlings. Strong, healthy stock now ready for potting. Assortment of 15 best varieties for fern dish filling, my selection, \$1 per 100; \$9.50 per 1,000; \$8.50 per 1,000 in 25,000 and \$8 per 1,000 in 50,000 lots. Small orders of 100 and 200 can be sent by mail if desired and postage of 10c per 100 is remitted. Satisfaction and safe arrival guaranteed or money refunded. Cibotium Schiedel, 2-in., \$3.25 per doz.; 25 per 100; \$240 per 1,000; 5-in., \$1 and 6-in., \$1.75 each. Adiantum cuneatum, best maidenhair fern for cut fronds, 2½-in., \$3.50 per 100; \$30 per 1,000. Adiantum Farleyense, 2-in., \$1.30 per doz.; \$10 per 100. Assorted ferns for fern dishes, 2½-in., \$3 per 100; \$25 per 1,000. J. F. ANDERSON, Fern Specialist, Short Hills, N. J.

Ferns, Boston, 12-in., \$5 to \$7.50 each; 6-in., 50c. Elegatissima Improved, 2½-in., \$10 per 100; 4-in., 25c each; 6-in., 50c. Superbissima, 4-in., 25c each; 6-in., 50c; 8-in., \$1. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Fern Nephrolepis Giatrasii, 2½-in., \$3.50 per doz.; \$25 per 100; \$200 per 1,000. George Giatras, 463 Summit Ave., W. Hoboken, N. J.

Fern Scholzei, 4-in., 25c. Scottii, Whitman, Boston, 4-in., 20c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns for dishes, asst., 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

Ferns, Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Nephrolepis. H. H. Barrows & Son, Whitman, Mass.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Boston and Piersoni, 3-in., 8c each. Mosbaek Greenhouse Co., Onarga, Ill.

**FEVERFEW.**

Feverfew, 2½-in., \$1.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Feverfew, dbl. white, \$1 per 100; \$9 per 1,000. S. W. Carey, Urbana, O.

**GERANIUMS.**

Geraniums, strong, 2-in. stock, Heteranthe, Nutt, Jean Viald, La Favorite, L'Aube, Hill, \$2 per 100; \$18 per 1,000. Our selection, \$17 per 1,000. Pamela, \$4 per 100. Anastasie Lecadre, \$3 per 100. Red Wing, the best novelty of the season, 25c each; \$2.50 per doz. Write for geranium catalogue. F. H. DeWitt & Co., Wooster, Ohio.

GERANIUMS. Nutt, Grant, Poitevine, Viald, Buchner, all true to label. Large top cuttings well rooted, \$1.25 per 100; \$10 per 1,000. Same varieties from 2½-in. pots, \$2 per 100; \$18 per 1,000. Cash. The W. T. Buckley Co., Springfield, Ill.

Geraniums, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Viald, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$5 per 100. Mme. Sallerol, 2-in., \$3 per 100. G. M. Emmans, Newton, N. J.

Geraniums, standard varieties, 2½-in., 2½c; 4-in., 8c. La Favorite, 3-in., 5c; 4-in., 7c. Mosbaek Greenhouse Co., Onarga, Ill.

Geraniums, 2-in., \$2 per 100; \$18 per 1,000, to 50c each. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, R. C. Ricard, Poitevine, Nutt, \$10 per 1,000. A. M. Herr, Lancaster, Pa.

Geranium Mme. Sallerol, 2½-in., \$3 per 100. J. S. Hennon & Son, Wampum, Pa.

Rose scented geraniums, \$1 per 100; \$9 per 1,000. S. W. Carey, Urbana, O.

**GREENS.**

Greens, fancy and dagger ferns, \$1.25 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large bales, \$1.25; Leucothoe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch, 50 lbs., \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, dagger and fancy ferns, \$2 per 1,000. Bronze and green galax, \$1 per 1,000; \$8.50 per 10,000. Leucothoe Sprays, \$1 per 1,000; \$7.50 per 10,000. Henry M. Robinson & Co., 15 Providence St., Boston, Mass.

Greens, southern wild smilax, Log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 33 W. 28th St., New York.

Greens, cut palmetto and cycas leaves, galax, leucothoe, ferns, mosses, etc., Kervan Co., 113 W. 28th St. New York.

**HARDY PLANTS.**

Hardy Phlox, R. C., \$1.25 per 100. A. M. Herr, Lancaster, Pa.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

**HELIOTROPES.**

Heliotrope, Miss Bernice, 2½-in., \$8 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Heliotrope, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Heliotrope, 2½-in., \$2 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

**HOLLYHOCKS.**

Hollyhocks, assorted, 2½-in., 3c. Mosbaek Greenhouse Co., Onarga, Ill.

**HYDRANGEAS.**

Hydrangea, Arborescens Grandiflora Alba. We have the largest stock of strong 2 and 3-year-old plants in America, at attractive prices. Inspection of stock desired. E. Y. Teas, Centerville, Ind.

Hydrangeas paniculata grandis, 18 to 24 ins., 6c; 2 to 3 ft., 9c. Dingee & Conard Co., West Grove, Pa.

**LILACS.**

Lilacs, Jacs Smits, Naarden, Holland.

If You Do Not Find What You Need In Our Ready Reference Department, Write Us About It.



**LILY OF THE VALLEY.****To Import.**

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

**From Storage.**

Lily of the valley clumps, \$2.35 per doz.; \$20 per 100. Vaughan's Seed Store, Chicago and New York.

Lily of the valley, cold storage, \$12.50 per 1,000. Buds, 76 Barclay St., New York.

**LOBELIA.**

Lobelias, Speciosa and Bedding Queen, 2½-in., \$1.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Blue lobelia, \$1 per 100; \$9 per 1,000. S. W. Carey, Urbana, O.

**MYOSOTIS.**

Myosotis, early flowering, 3-in., \$2 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

**MUSHROOM SPAWN.**

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

Mushroom Spawn. Sure crop, \$8 per 100 lbs. Weeber & Don, 114 Chambers St., N. Y.

**NURSERY STOCK.**

Nursery stock, evergreens, shade and ornamental trees, shrubs, vines, trained dwarf and standard fruit trees, grape vines, small fruits. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, conifers, boxwoods, azaleas, rhododendrons, forest and fruit trees, hedge plants, etc. S. A. Vosters & Sons, Riel, Holland.

Nursery stock. Clematis, ampelopsis, tree hydrangeas, lilacs, shrubs, vines and perennials. Jackson & Perkins, Newark, N. Y.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock arbor vitae (Thuja occidentalis), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Virburnum plicatum, 2 to 3 ft., 12c. Dingee & Conard Co., West Grove, Pa.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

**ORCHIDS.**

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchids, Cattleya Trianae, labiata, Warneri, Dendrobiums, Oncidium, V. Rogersii. G. L. Freeman Co., Fall River, Mass.

Orchids, all commercial, cattleyas and novelties. Carillo & Baldwin, Secaucus, N. J.

Orchids. Largest stock in the country. Julius Roehrs Co., Rutherford, N. J.

Orchids, leading kinds. Gretsche & Ordonez Bros., 52 W. 28th St., New York.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

**PALMS.**

Palms, Kentias, in 2½-in. pots, \$8 per 100; \$75 per 1,000. Jackson & Perkins Co., Newark, N. Y.

Palms, Kentia Fors., 6-7 in., \$2 to \$3 each. Kentia Bel., 3-in., 10c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Kentias. Joseph Heacock Co., Wyncote, Pa.

Palms. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Palms, Bobbink & Atkins, Rutherford, N. J.

**PEONIES.**

Peonies, all vars., Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars., W. & T. Smith Co., Geneva, N. Y.

Peonies only by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

Peonies, a superb collection. Jackson & Perkins Co., Newark, N. Y.

**PETUNIAS.**

Petunias, 3-in., \$5 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

**PRIMULAS.**

Primulas from 2-in. pots, frame grown, ready in July, no better strains in existence. Chinensis, the best giant fringed, 8 separate colors or mixed, 2c. Obconica grandiflora. Ronsdorffers and Lattmann's unrivalled hybrids, 14 colors or mixed, 2c. Obconica gigantea, 3 colors or mixed, 3c. J. L. Schiller, Toledo, O.

Primroses, Chinese and Forbesi, \$2. Obconica alba and rosea, \$2; obconica gigantea, \$3. Jos. H. Cunningham, Delaware, O.

**PRIVET.**

Privet, California, 1 and 2-year plants. Chas. Black, Hightstown, N. J.

**RHODODENDRONS.**

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

**RESURRECTION PLANTS.**

Resurrection Plants.—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis E. Lester Company, Dept. 6, Mesilla Park, N. M.

**ROOTED CUTTINGS.**

Rooted Cuttings prepaid, Cuphea, 75c per 100. Coleus, 60c per 100; \$5 per 1,000. Alternantheras, 50c per 100; \$4.50 per 1,000. Ageratum, 60c per 100. Dbl. petunias, \$1; Stevia, 75c per 100; \$6 per 1,000. Byer Bros., Chambersburg, Pa.

**ROSES.****EXTRA FINE ROSE STOCK.**

| Read to ship. 2½-in.     | Per 100 | Per 1,000 |
|--------------------------|---------|-----------|
| White Killarney          | \$ 8.50 | \$ 75.00  |
| Pink Killarney           | 6.00    | 55.00     |
| White Killarney, grafted | 12.00   | 110.00    |
| Pink Killarney, grafted  | 10.00   | 90.00     |
| My Maryland, grafted     | 12.00   | 110.00    |
| My Maryland              | 6.00    | 55.00     |
| Richmond                 | 5.00    | 45.00     |
| Brides                   |         | 25.00     |
| Kaiserlin                |         | 30.00     |
| Perles                   | 5.50    | 50.00     |
| Am. Beauty, 4-in.        | 12.00   | 110.00    |
| 3½-INCH.                 | Per 100 | Per 1,000 |
| Pink Killarney, grafted  | 13.00   | 120.00    |
| My Maryland, grafted     | 15.00   | 140.00    |
| My Maryland              | 8.00    | 75.00     |
| Richmond                 | 7.00    | 65.00     |
| Cardinal                 | 10.00   | 90.00     |

POEHLMANN BROS. CO., Morton Grove, Ill.

ROSES, 2-in., on own roots, Wellesley, Frances E. Willard, La Detroit, Ben R. Cant, Burbank, M. Neil, Souv. de P. Notting, Apricot, Marie Lambert, Mrs. De Graw, Clothilde Souper, \$2.50 per 100; \$22 per 1,000. Veitchblau (violet blue) novelty, heavy 2-year stock, 90c; \$9 per doz. Wagner Park Conservatories, Sidney, O.

**ROSE PLANTS, 2½-INCH POTS.**

|              | 100 | 1,000 |
|--------------|-----|-------|
| Kaiserlin    | \$4 | \$35  |
| Mrs. Jardine | 4   | 35    |
| Bridesmaid   | 3   | 25    |
| Richmond     | 3   | 25    |

**WIETOR BROS.,**

51 Wabash Ave. Chicago.

Roses, 3½-in., My Maryland, \$6 per 100; \$55 per 1,000. Richmond, Jardine, \$5 per 100; \$45 per 1,000. Maid, Bride, \$4 per 100; \$35 per 1,000. Jardine, 2½-in., \$4 per 100; \$35 per 1,000. J. A. Budlong, 37 Randolph St., Chicago.

Roses, Crimson Rambler, 7-8-in., 75c to \$1.50 each. Dorothy Perkins, 5½ and 6-in., 35c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Own root Bride, Bridesmaid, Chateau, Golden Gate, Kaiserlin, \$6 per 100. Grafted. White Killarney, \$14 per 100. P. R. Quinlan, Syracuse, N. Y.

Roses. For varieties and prices see advertisement on front cover page. Vaughan's Seed Store, P. O. Drawer V, Chicago.

Roses, on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses, bench plants, 1-year, Am. Beauty and Richmond, \$30 per 1,000. Geo. Reinberg, 51 Wabash Ave., Chicago.

Perles, Maids, Brides, Richmonds, fine 3-in., strong, healthy stock, \$5 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Roses, Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

New Rambler (violet blue). Ellwanger & Barry, Rochester, N. Y.

Roses a specialty. Dingee & Conard Co., West Grove, Pa.

Roses, Bride, Maid, Richmond, 2½-in., \$3 per 100. W. W. Coles, Kokomo, Ind.

Roses leading varieties. Leedle Floral Co., Springfield, O.

Roses, 3-in. Wood Bros., Fishkill, N. Y.

**SALVIA.**

Salvia Zurich, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

**SEEDS.**

Seeds, onions, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seed, asters, mignonette, Begonia, Veron, Cineraria, Primula Chinensis, Obconica, Salvia Bonfire and Splendens; Verbenas, Cyclamen and Pansy. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett E. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

The Best Seeds for Dealers, Truckers, Plant Growers. Get price list from Francis Brill, Grower, Hempstead, N. Y.

Seeds, dwarf cauliflower and Danish Ball-head cabbage. L. Daehnfeldt, Odense, Denmark.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, Phoenix Roebeleni. Sander, T. Mellstrom, Representative, 235 Broadway, New York.

Seeds, specialties. Stocks, pansies, cyclamens, etc. Pape & Bergmann, Quedlinburg, Germany.

Seeds, sweet peas. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Seed, pansy, 3,000 seeds, \$1; ¼ oz., \$1.50; ½ oz., \$2.50; oz., \$5; ¼ lb., \$14; ½ lb., \$25; lb., \$50. Peter Brown, Lancaster, Pa.

Seeds, cabbage, cauliflower, egg, pepper, tomato, etc. Francis Brill, Hempstead, L. I., N. Y.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Cal.

Seeds, turnip. Barteldes Seed Co., Lawrence, Kans.

Seed, pansy, 1,000 seeds, 25c; 1 oz., \$2.25. H. Wrede, Luneburg, Germany.

Seeds, natural grass, clover and tree seeds. Conrad Appel, Darmstadt, Germany.

Seed, pansy, giant, oz., \$4. Jos. H. Cunningham, Delaware, O.

Seeds of all kinds. H. E. Fliske Seed Co., Boston.

Seeds, pansy. Fred. Roemer, Quedlinburg, Germany.

Seed, pansy, 1,000 seeds, 25c; 1 oz., \$2.25. H. Wrede, Luneburg, Germany.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds. Landreth Seed Establishment. Bloomsdale Farms, Bristol, Pa.

Seeds, Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds, flower of all kinds. O. V. Zangen, Hoboken, N. J.

Seeds, cineraria, mixed, tr. pkt., \$1. Weeber & Don, 114 Chambers St., New York.

Seeds, Stokes' standards. 219 Market St., Philadelphia.

**If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It**



**Contract Growers.**

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon; sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohner, Gilroy, Calif.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Mette, Quedlinburg, Germany.

Seeds, growers for the wholesale trade only. Braslan Seed Growers' Co., San Jose, Calif.

Seeds, field, garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, sweet peas. Anton Zvolanek, Boundbrook, N. J.

**SMILAX.**

Smilax, strong stock for permanent beds. 2½-in., \$2 per 100; \$17.50 per 1,000; very strong plants from seed bed, 50c per 100; \$4 per 1,000. All this stock will make runners at once. Cash. Freeport Floral Co., Freeport, Ill.

Smilax, from 2-in. pots, \$1.75 per 100; \$15 per 1,000. J. L. Schiller, Toledo, O.

Smilax, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax. Wood Bros., Fishkill, N. Y.

**SNAPDRAGONS.**

Snapdragons, 2½-in., \$1.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

**SPIREAS.**

Spireas. J. Smits, Ltd., Naarden, Holland.

**STOVE PLANTS.**

Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

**VEGETABLE PLANTS.****VEGETABLE PLANTS.**

Cabbage—Danish Ballhead and Early Jersey, seedlings ..... Per 1,000 \$1.25  
Cabbage—Danish Ballhead, transplanted 3.50  
Cauliflower—seedlings ..... 4.00  
Cauliflower—transplanted ..... 5.00  
Egg Plant—Seedlings ..... 3.00  
Peppers—Pot plants, per 100 ..... 2.00  
Tomato Seedlings ..... 2.00  
Tomato—pot plants, per 100 ..... \$2.00  
Lettuce—Grand Rapids, Hanson's Improved, Selected, Immensity ..... 2.00  
MOSBAEK GREENHOUSE CO., Onarga, Ill.

Orders booked now for July delivery. Cabbage, Sure Head, Flat Dutch, Autumn King and Danish Ball Head, \$1 per 1,000; \$8.50 per 10,000. Celery, Boston Market, Golden Heart, White Plume and Giant Pascal, \$1 per 1,000; \$8.50 per 10,000. Parsley, Covent Garden, curled, 25c per 100; \$1.25 per 1,000. Lettuce, Big Boston and Grand Rapids, \$1 per 1,000. Every one a plant. Satisfaction guaranteed. We can ship by Adams, Wells Fargo, W. S. and Southern Express. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Vegetable plants, beet, 20c per 100; \$1.25 per 1,000. Egg plant, 40c per 100; \$2 per 1,000. Pepper, Bull Nose, Sweet Mountain, Ruby King, 40c per 100; \$2 per 1,000; Tomato, small plants, Earliana, Early Jewel, Dwarf Stone, Champion, Ponderosa, Matchless, 30c per 100; \$2 per 1,000. Tomato, small plants, Stone, Paragon, Favorite, Success, 20c per 100; \$1 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Late cabbage, Mammoth Drumhead, Horseman's Flat Dutch, Premium Flat Dutch, Mammoth Red Rock, extra fine plants, \$1.50 per 1,000. Kale, kohlrabi, celery, peppers, egg plants, all extra fine plants, 30c per 100. Cash. Wonderberry plants, 25c per dozen by mail. Mrs. Edward Hayden, Greenview, Ill.

A large stock of sweet potato plants now ready. Yellow Nansemond, Big Stem Jersey and Early Golden, \$1.25 per 1,000; \$10 per 10,000. H. Austin Co., Felton, Del.

Vegetable plants: Cabbage and tomatoes, \$1 per 1,000. Peppers, sweet potatoes, Brussels sprouts, \$1.50 per 1,000. Cauliflower, \$2.50 per 1,000. J. C. Schmidt, Bristol, Pa.

500,000 XX Golden Self Blanching celery plants now ready at popular prices. The Princeton Gardens, W. J. Ritterskamp, Pres., Princeton, Ind.

Cabbage plants, Wakefield, Early Summer, All Head, All Seasons and Hollander, \$1 per 1,000. J. L. Johnson, De Kalb, Ill.

**VERBENAS.**

Verbenas, 2½-in., \$1.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

**VINCAS.**

Vinca minor, the hardy vinca for cemetery planting and under trees, where grass will not grow; well rooted layers, \$1.50 per 100; \$10 per 1,000. E. Y. Teas, Centerville, Ind.

Vinca variegata, 5-in., 18c each. Mosbaek Greenhouse Co., Onarga, Ill.

Vinca variegata, 3-in., 2½c; good stock. John S. Leach, Hartford City, Ind.

Vinca variegata, 4-in., \$3 per 100. J. S. Hennon & Son, Wampum, Pa.

Vincas, \$2 per 100; \$18 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Vincas, 2-in., \$2.50 per 100; 3-in., \$4; 5-in., \$12. N. C. Moore & Co., Morton Grove, Ill.

**BOILERS.**

Gem City Return Tubular Firebox boilers. The Gem City Boiler Co., Dayton, O.

**GLAZING POINTS.**

Glazing points, Lord & Burnham special glazing nails (points), Lord & Burnham Co., 1133 Broadway, New York.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc never-rust glazing points, 2 sizes, ¾ and ¼, 40c per lb.; 16c extra by mail; 7 lbs, \$2.50; 15 lbs., \$5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

**GREENHOUSE CONSTRUCTION.**

Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings & Co., 1170 Broadway, New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk, Chicago.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction, builders of modern greenhouses. Myers & Co., 1123 Betz Bldg., Philadelphia.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

**GUTTERS.**

Gutters, Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters, cast-iron. Lord & Burnham Improved V-shaped gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

Gutters, Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

**MISCELLANEOUS.**

Meyer green silkaline, \$1.25 per lb., 8 spools to lb. Meyer violet thread for violets, \$1.25 per doz. spools of 500 yards each. John C. Meyer Co., 1443 Middlesex St., Lowell, Mass.

Rocking grate bar, saves 10 to 25 per cent coal. U. S. Rocking Grate Bar Co., 77 Jackson Blvd. Chicago.

Richmond carnation supports, rose and mum stakes. Eagle Machine Works, Richmond, Ind.

The Mastin Automatic Whitewash and Spraying Machine. J. G. Mastin & Co., 3124 W. Lake St., Chicago.

Plant bed cloth, waterproof sheeting, hay caps, etc. Henry Derby, 123 F. Chambers St., N. Y.

Pulverized Sheep Manure. Sheep's Head Brand. Natural Guano Co., Aurora, Ill.

Vaporite, 1 lb., 25c; 5 lbs., \$1. Vaporite Sales Co., San Jose, Calif.

Pillsbury's Carnation Staple, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

**PIPE.**

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U-bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., Western and 26th, Chicago.

Pipes and fittings, cast iron and wrought pipe, valves, elbows, pipe hooks, automatic air headers, etc. Lord & Burnham Co., 1133 Broadway, New York.

Iron fittings, patent iron bench fittings and roof supports. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Pipe and fittings. S. Jacobs & Sons, 1357 Flushing Ave. Brooklyn N. Y.

Pipe, valve fittings. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

**POTS, PANS, ETC.**

"NUFF SED." Best red pots are made by Geo. E. Feustel, Fairport, Iowa.

Pots, before buying write for prices. Geo. Keller & Sons, 2614-22 Herndon St., Chicago.

Pots, Florist red. Peters & Reed Pottery Co., Zanesville, O.

Pots, Syracuse red. Syracuse Pottery Co., Syracuse, N. Y.

Neponset waterproof paper flower pots. Vaughan's Seed Store, Chicago & New York.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots, Standard, all sizes. A. F. Kohr, 2934-38 N. Leavitt St., Chicago.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

**STAKES.**

Cane Stakes. Standard grade 6 to 8 feet. per 100, 85c; 500 for \$3; \$5.50 for 1,000. Pipe stems about 6 feet, per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

**STEAM TRAPS.**

Steam traps, the Standard return steam trap has no equal for its simplicity of working. E. Hippard, Youngstown, O.

Morehead Return Steam Traps, Morehead Mfg. Co., 1047 Grand River Ave., Detroit.

Detroit return traps. American Blower Co., Dept. A. F., Detroit, Mich.

## Catalogue Illustrations

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustrations. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock.

PRICE FOR CASH:  
Only 15 cents per square inch.

**The American Florist Co.**  
324 Dearborn St., CHICAGO.

**If You Do Not Find What You Need In Our Ready Reference Department, Write Us About It**



# Vaporite Kills

Wireworms, Cutworms, Leatherjacket Grubs, Eelworms, Centipedes, Millipedes, Sowbugs, Beetles, Ants (including White and "Argentine"), Slugs, Bollworm, Thrips, Aphis, and all  
**Other Insects in the soil;**

and is absolutely harmless to plant life  
and the soil if directions are followed.

VAPORITE is a gray, non-poisonous powder, which, when it is mixed with the moist soil, gives off a vapor which percolates into every crevice and is

**POSITIVE DEATH TO ALL INSECTS**

**One Pound Package, \$ .25**

**Five Pound Package, \$1.00**

Prices for Larger Quantities on application.

We have hundreds of testimonials from Great Britain and other foreign countries where

**Vaporite Has Been Used with Great Success**

but the following ones are from parties of high esteem in the greenhouse and nursery business in this section :

San Jose, Calif., June 4, 1910.

VAPORITE SALES CO.,

San Jose, Calif.:

GENTLEMEN:—Enclosed please find order for 500 lbs. VAPORITE.

In regard to your request for testimonial, would say, that I have used VAPORITE as per your directions, and have had excellent success in killing Mealy Bug, Sowbugs, Root Aphis, Argentine and white Ants, and am sure that if your directions are followed there will be no damage to plant life.

Kindly hurry delivery on order, as I wish to use the VAPORITE when putting out new beds. Respectfully yours,  
(Signed) G. A. LEHMANN.

San Jose, Calif., June 4, 1910.

VAPORITE SALES CO.,

San Jose, Calif.:

GENTLEMEN:—After thoroughly experimenting with your VAPORITE, I find that its effects are very successful in killing all insects in the ground, and if used properly there will be no danger at all to plants.

I intend using it this fall on all beds in my hot houses.

Respectfully yours,  
(Signed) E. H. BOURGIGNON.

San Jose, Calif., June 6, 1910.

VAPORITE SALES CO.,

San Jose, Calif.:

GENTLEMEN:—We have used VAPORITE and find it most satisfactory for all insects. I will say further that this is the first year that we have been able to raise our young China Aster plants on account of slugs.

We mix VAPORITE with the soil, as per directions, before planting, and if necessary after, and the slugs will not bother.

We also intend using it in the carnation beds for mealy bug, ants and other insects.

SAN JOSE FLORIST  
A. & E. SCHLAUDT.  
(Signed) PER C. E. SCHLAUDT.

San Jose, Calif., June 10, 1910.

VAPORITE SALES CO.,

San Jose, Calif.:

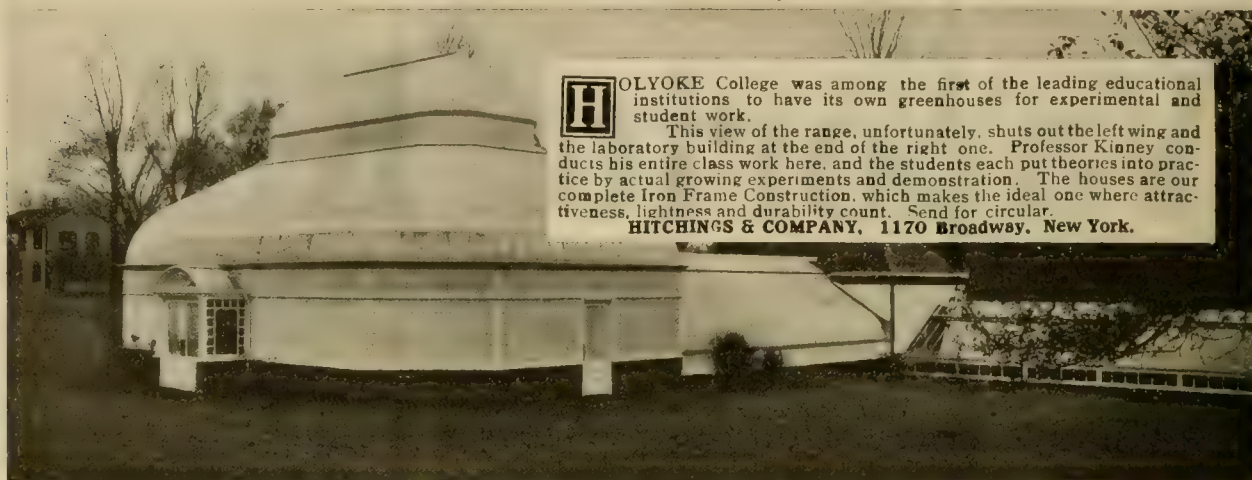
GENTLEMEN:—I have used the sample of VAPORITE left here by your agent and consider it very valuable to anyone in the nursery business. It does the work thoroughly.

Please ship me 200 lbs. at your earliest convenience.

Truly yours,  
(Signed) ARTHUR CANN.

**VAPORITE SALES CO., San Jose, California**





**H**OLYOKE College was among the first of the leading educational institutions to have its own greenhouses for experimental and student work.

This view of the range, unfortunately, shuts out the left wing and the laboratory building at the end of the right one. Professor Kinney conducts his entire class work here, and the students each put theories into practice by actual growing experiments and demonstration. The houses are our complete Iron Frame Construction, which makes the ideal one where attractiveness, lightness and durability count. Send for circular.

HITCHINGS & COMPANY, 1170 Broadway, New York.

Write to us about  
**Materials and Plans**  
for any size and style of

**GREENHOUSE**

for new structure or repairs.

**Hot Bed Sash** In stock or any size required.

**Pecky Cypress**

for benches, lasting and least expensive.

**The Foley Mfg. Co.,**

Western Ave and 26th St.

CHICAGO.

**Lexington, Ky.**

Business for the past week has been about as good as can be expected for this time of year. The plant trade, however, still hangs on. All are busy at present getting ready for planting roses, carnations and chrysanthemums. Real summer weather is here at last and the thermometer registered 90° in the shade here last Saturday. Roses are not so plentiful as they have been. Carnations are good and plentiful for the time of year and find a ready sale. Sweet peas are becoming more plentiful and they have a good demand. Peonies have played out for this year. Stocks and other short flowers are scarce. Lily of the valley is not much called for at present. Some is being used in wedding bouquets. Some few lilies are coming in and they meet with ready sales. Green goods are becoming more plentiful and the demand is good.

**NOTES.**

The boys at the J. A. Keller Estate on East Sixth street have finished planting one house of carnations and are getting the other houses ready for planting. All the carnations are planted from pots at this place and approximately 20,000 will be planted this year; 5,000 chrysanthemums will also be planted as soon as the houses are ready. Everything is in first-class condition at this place. James Peter Keller, manager at the down-town store on Main street, reports business as good and says he has been cleaning everything out well this spring. Not a flower has been wasted, he says, and at times he had to buy elsewhere.

H. F. Hillenmeyer, the nurseryman at Sandersville, lost a three-story warehouse on his farm recently by fire. The loss was estimated at about \$2,500 on

**Attention!! Glass Buyers!!**

**GREENHOUSE GLASS.**

You will save money if you obtain our prices before you buy.

Quality A. No. 1. Prompt shipments.

**Hooker's Greenhouse White Paint**

The most durable white paint for this purpose.

Half barrels, (26 gallons) per gal., \$1.70. 5 gal. pails, per gal., \$1.75

**H. M. HOOKER COMPANY,**

WHOLESALE GLASS AND PAINTS,

Long Distance Phone  
Monroe 4994.

651-659 Washington Boulevard, CHICAGO.

Use our patent  
Iron Bench  
Fittings and  
Roof Supports

**THE JENNING'S IMPROVED  
IRON GUTTER.**

**IMPROVED VAPORIZING PANS**

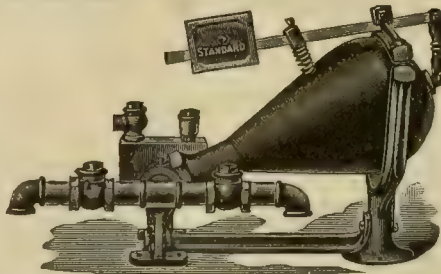
For Tobacco Extracts, etc. Send for Circulars.

**DILLER, CASKEY & KEEN,**

S. W. Corner Sixth and Berk Streets,

PHILADELPHIA.

**VENTILATING  
APPARATUS**



**The Standard Steam Trap**

Has established a record far above that of any other trap for florists; being very simple, durable and easily taken care of.

Catalogues of the Trap, Duplex Gutter, and Standard Ventilating Machinery, mailed free upon application.

**E. HIPPARD, Youngstown, O.**

the building, machinery, and nursery supplies, with no insurance. It is reported that the fire was started by the carelessness of someone who dropped a match among the packing boxes and excelsior which were in the building at the time. Mr. Hillenmeyer is a prominent nurseryman and we were sorry to hear of his loss.

S. S. Skidelsky, of Skidelsky & Irwin Co., Philadelphia, was a recent visitor here, calling on the trade. A representative of the Morehead Mfg. Co.,

Detroit, Mich., was also a caller here.

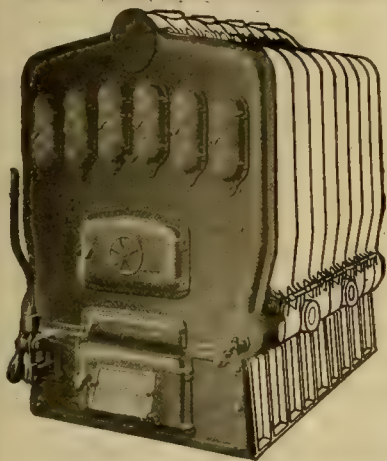
Honaker the Florist, on North Jackson street, has about planted all his roses, carnations and chrysanthemums and his stock is reported first class.

Louis D. Singer, of Thorn hill, Frankfort, says business was much better than he expected for his first year.

Theo. Keller, who is with the E. G. Hill Co., Richmond, Ind., says he likes it up there very much. L. C.



## The Burnham



Every operating part right on the front—shaker handle, smoke box damper handle, cleanout doors—everything. Send for Catalog.

**LORD AND BURNHAM CO.**  
IRVINGTON, N. Y.

New York.  
Philadelphia

Boston.  
Chicago.

## Steel Return Tubular Boilers

The Most Economical Type of Boiler for Greenhouse Heating. Highly recommended by well-known florists.

**JOHNSTON HEATING CO., 138 E. 31st St., NEW YORK.**

New Rochelle, N. Y.

The florists of this vicinity are just now nearing the close of a busy season's work. Bedding out is nearly done and the houses are looking lonesome. Not for long, however. Already signs of the fall and winter campaign are visible. At the Patterson place where Fred Michel is in charge, the houses are being cleared for chrysanthemums. Thousands of them are in sight and Fred says he will outdo even last year's fine crop. To your correspondent's eyes, however, the fairest flower there was the charming young lady propagator. As he watched the cuttings slip from her nimble fingers, his thought was "What a prize for a struggling young florist!" At the store on Main street where Miss Patterson presides, a very satisfactory season is reported, and much funeral work.

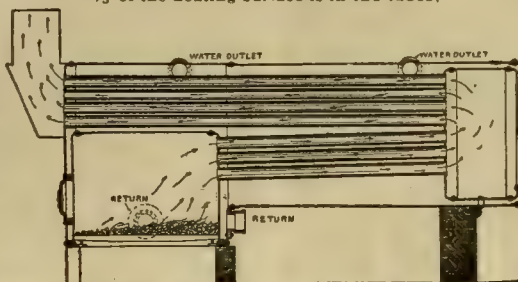
At Birmingham's on Weyman avenue and Penndorf's on Oak street, everything was sold clean and quite some stock bought to fill out orders. At Louis Eppe's in Pelham, quite a lot of bedding plants, mostly geraniums and coleus, were disposed of. Smilax and asparagus are his all-the-year crops but a large quantity of bulbs, mostly narcissus, is handled. Mr. Eppe is a stalwart son of Helvetia, where they bow to no man's hat, and he is certainly a hustler. During the past winter he forced 100,000 narcissi after 1,500 chrysanthemums, then followed the bedding stock. The only help hired was a boy occasionally for a day or two. It is only fair to add that in all this work in his six houses he was ably assisted by the partner of his home, a daughter of sunny France. He is going to enlarge his plant and add 30,000 more bulbs and 1,500 callas with the same help—an object lesson for some of us slow ones.

## The Superior Standard

RETURN FLUE FIRE BOX BOILER

contains more heating surface, and less water space than any other steel boiler.  
 $\frac{2}{3}$  of the heating surface is in the tubes.

Ask the man that knows the one using different style boilers—names are yours for the asking.

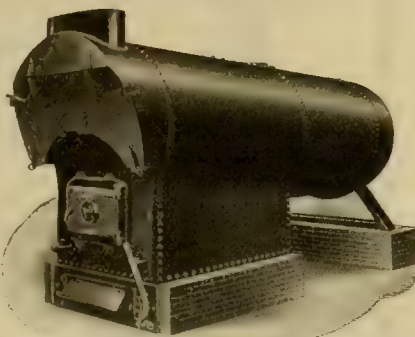


After using our boiler one season, you will say like all others: Nothing but "Superior" for me.

This boiler has given better satisfaction than any other boiler on the market  
MADE IN NINE (9) SIZES FOR HOT WATER.

Send for catalogue and list of growers that are using this boiler.

**THE SUPERIOR MACHINE & BOILER WORKS, 840-850 Superior St., Chicago.**



## The Gem City Return Tubular Firebox Boilers

Are the most economical for Greenhouse heating.

Send for descriptive matter and prices.

**THE GEM CITY BOILER CO.**  
DAYTON, OHIO.

## The KROESCHELL BOILER

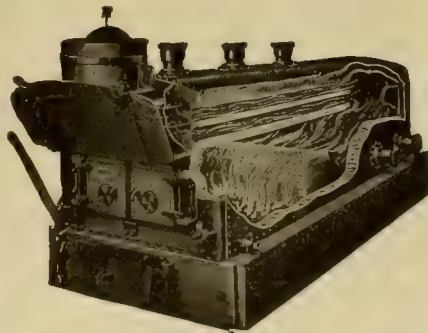
IS THE ONLY PERFECT  
HOT WATER BOILER.  
(NOT CAST IRON)

Has water in front, sides, top and a water back.

Made in 15 sizes, heating 6,000 to 50,000 square feet of glass to 60° at 15° below zero.

Prices and catalogue on application.

**KROESCHELL BROS. CO.**  
452 W. Erie St. CHICAGO.



Arthur Dummett will take possession of the Dummett greenhouses at Mt. Vernon about July 1. Henry Wagner, who had the houses since the dissolution of the firm of Dummett & Wagner, is erecting several houses at Pelham, where he recently purchased a piece of land. Arthur has a host of old friends who will be in evidence when he resumes business at the old stand.

A visit to Alex McConnell's place where John Carlson is in charge, found the help utilizing a rainy day to clean up the big palm house. Although this place is intended only for a supply to Mr. McConnell's New York store, many a choice specimen not obtainable elsewhere in this vicinity finds its way into private places.

REUBEN.

## WILKS' Hot Water Boilers ARE THE MOST ECONOMICAL Boiler for Greenhouses

No Night Fireman Required  
with our  
SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

**S. WILKS MFG. CO.,**  
3503 Shields Ave. CHICAGO.

The Early Ad. Catches the Coin.



# Raffia



We are positively Headquarters for two best grades—bales or ten bales.

Samples free.

CHICAGO or NEW YORK,

## Vaughan's Seed Store

Sheep's Head Brand

### Pulverized Sheep Manure



The Ideal Plant Food for Florists.

Write to day for Prices and Booklet.

NATURAL GUANO COMPANY,

Aurora, Ill.

## The Allied Trades

Descriptive particulars—with drawings or photographs, if possible—of any new apparatus or device which may prove helpful to the trade are solicited for this department.

### Heating Information Wanted.

ED. AMERICAN FLORIST:—

I would like information regarding heating of a house 16x30 feet, and I intend adding another the same size soon. The house runs east and west, has 3-foot glass on north and south sides, east end glass and west end, where I expect to put in heating apparatus, is double sheeting and siding walls five feet to eaves. I have had no experience in putting in heating system, and as my means are limited I want as cheap and durable a one as possible. I am carrying an assorted, general stock, have benches on north and south walls and one in center of house. The average low winter temperature is 14° to 16° above zero. Would also like to know if the so-called self-feeding furnaces or heaters are satisfactory.

Texas.

M.

To heat a house 16x30 feet with three feet of glass in each of the side walls will require from 150 to 200 square feet of radiating surface, according to the temperature desired. I would suggest that one of the houses be piped for a temperature of 50°, which will require but 150 square feet, while 175 to 200 square feet should be used in the other house. The simplest method of piping these houses is to start at the boiler with a 3-inch flow

## The "Meyer Green Silkline"



is the only Green Thread that should be used by florists and growers. It is guaranteed full weight and full measure.

Also Violet Thread for tying up Violets. Price of both, \$1.25 per lb.

For sale by all first-class supply houses. If your dealer does not carry it in stock, write us direct, giving us his name.

JOHN C. MEYER & CO., 1449 Middlesex St., Lowell, Mass.

## The Mastin Automatic Whitewash and Spraying Machine Is Reliable, Practical and Durable



The tank is made of galvanized sheet steel, and in brass. The pump is of brass throughout, simple and powerful. The mixing device keeps the contents of the tank well stirred up from start to finish.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

All parts are made to gauge and may be had for repairs. Ask your dealer about our Extension Hose, Extension Rods, and the Mastin Whitewash Nozzle for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. MASTIN & CO., 3124 West Lake St., CHICAGO, ILL.

## Cattle Manure in Bags Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

### Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company  
32 Union Stock Yards, Chicago.

pipe and run it up vertically to a point about one foot lower than the bottom of the ridge. Then put on an elbow with a one-inch opening on top, from which a pipe should lead to the expansion tank, which should, if possible, be located several feet above the elbow.

The flow pipe should then run with a fall of one inch in 10 feet to a point near the end of the houses, where a 2½x3-inch tee should be put on, from which a 2½-inch flow pipe should lead to each of the houses. The flow pipe should be below the ridge and should connect at the farther end of the house with from seven to nine 2-inch returns. It will be a good plan to have two coils of two or three pipes each on the walls and the others under the center bench. Care should be taken to give all of the pipes a slight fall so that the air cannot pocket. If this is done and the pipes are arranged as suggested there will be no occasion for air valves. While a magazine heater would give good results, there is no occasion for using one, as the standard hot water heaters would keep up a steady heat for nine hours.

L. R. T.

Has stood the test of over a Quarter of a Century.

## THOMSON'S Vine, Plant and Vegetable MANURE

UNRIVALLED FOR

Vines.  
Tomatoes.  
Cucumbers.  
all Flowering.  
Foliage and  
Fruit bearing  
Plants.  
Vegetables.  
Lawns, etc.



The result of many years practical experience.

PERFECT PLANT FOODS

Sold by Leading American Seedsmen.

— ALSO —

### Thomson's Special Chrysanthemum and Toppdressing Manure

Freight paid on quantities. Write for our special offer to the American trade pamphlets, agents' circulars, etc., to sole makers,

WM. THOMSON & SONS, Ltd.,  
Tweed Vineyard, Clovenfords, Scotland

## Evergreen Brand Flower Fertilizer

Best plant food and most readily available.  
12-lb. cans \$2.00 each.  
Other sizes pro rata.

For further particulars address

D. D. JOHNSON CO., Man'rs.,  
64-66 Wabash Ave., Chicago.

### Greenhouse Building.

Chicago.—Peter Endre, five greenhouses 23x150 feet and one 11½x150 feet.

Gross Point, Ill.—J. P. Jennelsten, three greenhouses, 23x200 feet. Nick Hermes, four greenhouses, 23x130 feet. Milwaukee, Wis.—Strothenke & Son, five greenhouses.

Sayville, N. Y.—George Terry, one greenhouse, 22x100 feet.

Maynard, Mass.—Albert Batley & Son, one greenhouse.

Youngstown, O.—The Idora Floral & Landscape Co., one greenhouse.



## BRAND-NEW Steel Roofing

We can save 25 per cent over mill prices on brand-new, perfect Galvanized Steel Sheets for Roofing, Siding, Ceiling or Fire Partitions. All the stock is of very heavy weight, will give long and most satisfactory service.

### GALVANIZED V CRIMPED STEEL SHEETS.

Lot No. 305-350 Squares of No. 24 Gauge Galvanized, brand-new, "VV" Crimped Steel Sheets. Weight about 124 lbs.

Per 100 sq. ft. .... \$3.50

Lot No. 307-500 Squares of No. 22 Gauge Galvanized, brand-new, "VV" Crimped Steel Sheets. Weight about 151 lbs.

Per 100 sq. ft. .... \$3.75

Lot No. 359-434 Squares of No. 20 Gauge Galvanized, brand-new, "VV" Crimped Steel Sheets. Weight about 178 lbs.

Per 100 sq. ft. .... \$4.00

### GALVANIZED FLAT SHEETS.

Lot No. 111—About 1200 Squares of No. 20 and 24 Gauge Galvanized Flat Steel Sheets.

For prices, write quantity and gauge number wanted.

We can also furnish Standing Seam Steel Roofing Beaded Ceiling and Siding and Pressed Brick Steel Siding.

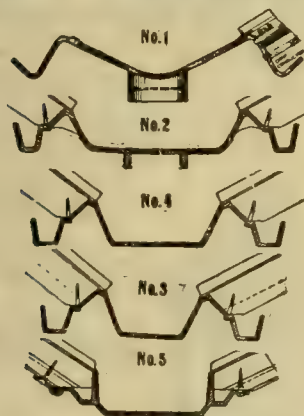
Send for our special booklet on Roofing, No. 47. Tells you all about it.

**CHICAGO HOUSE WRECKING CO.**

35th and Iron Streets  
CHICAGO

Mention the American Florist when writing

## A Gutter With a Reputation



Ask the man who has tried them. For further particulars, write to

**GEO. M. GARLAND CO.,**

DES PLAINES, ILL.

Seattle.

A small amount of funeral work, graduation flowers and the usual June weddings have made up the business so far this month. The beginning of the excursion trips to Alaska calls for some flowers to be delivered to the various excursion boats. Outside of these items business is slow. Stock at the present is good and with the possible exception of valley is in good quantities. Carnations are plentiful and most of the stores have a special card in the window.

### NOTES.

Most of the florists of the city were in attendance at the rose festival at Portland from June 6 to 11, and in most instances pronounced it a success.

The Hollywood Gardens had two large wedding decorations on June 16 and 18.

Z.



There is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

SEND FOR CATALOG.

## U-BAR GREENHOUSES

PIERSON



U-BAR CO.

DESIGNERS AND BUILDERS

1 MADISON AVE. NEW YORK

## High Quality Not High Prices

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Vol. XXXIV.

CHICAGO AND NEW YORK, JULY 2, 1910.

No. 1152

## THE AMERICAN FLORIST

TWENTY-FIFTH YEAR.

Copyright, 1910, by American Florist Company.  
Entered as Second-Class Matter Nov. 11, 1891,  
at the Post Office at Chicago, Illinois,  
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

**AMERICAN FLORIST COMPANY,**

324 Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Eastern Office: 1133 Broadway, New York.

Philadelphia, Pa.: Robt. Kift, 1725 Chestnut St.

Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a year; Canada, \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from the trade. Volumes half yearly from August, 1901.

Address all correspondence, subscriptions, etc., American Florist Co., 324 Dearborn St., Chicago.

### SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—F. R. PIERSON, Tarrytown, N. Y., Pres.; FRED W. VICK, Rochester, N. Y., Vice-Pres.; H. B. DORNER, Urbana, Ill., Sec'y; WM. F. KASTING, Buffalo, N. Y., Treas. Next meeting at Rochester, N. Y., August 16-19, 1910. Second National Flower Show, Boston, Mass., March 18-25, 1911.

### CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition, in conjunction with the Morris County Gardeners' and Florists' Society, Morristown, N. J., November 2, 3 and 4 1910. ELMER D. SMITH, Adrian, Mich., President; C. W. JOHNSON, Morgan Park, Ill., Secretary.

### THE AMERICAN CARNATION SOCIETY.

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See Page 1123.**

## HALF HOUR CHAPTERS FOR FLOWER GROWERS

### Freelias.

The first freesia bulbs are due now at any time and the sooner they are procured and potted or flatted the better. Freelias, more perhaps than any other bulbs, are impatient of forcing and if they are wanted early the bulbs must be well established before going into the greenhouse. The largest bulbs should be spaced about two inches apart and planted so the point of the bulbs just peep out of the soil. Give one good watering to settle the soil around the bulbs and place them in a cool shed or a shady position outdoors to root. After from three to five weeks of this treatment they may be placed under glass to start. Old bulbs that were left over from last season should be well ripened by now but if not place them for a little longer on a shelf in the full sun and when well hardened up pot and treat as advised for the new bulbs. Although there is not a great variety in the freesias grown in this country some are much better than others and the now well known Purity is a case in point.

### Peonies.

The failure of the peonies in some localities, owing to the freeze this spring, will not probably make much difference to the planting this fall. Peonies are not like some plants that have to be propagated annually. They take at least two years before the plants are at their best after planting, consequently the amount of flowers on the market year by year does not vary so much as those of some other kinds. But, with a view of subsequent plantings, it is well to take a few notes of those varieties that have come through the severe ordeal of the present season and yet given a good account of themselves. These, it is pretty safe to assume, would be the best to plant. Here the standard white, Festiva Maxima, was badly hit and while by no means condemning this fine variety, its tenderness of growth will be a mark against it. Mme. de

Verneville has been fine this time and the flowers have sold remarkably well. Jeanne d' Arc has also proved its worth and while neither can quite take the place of Festiva Maxima they have been extremely useful. The plants have made a very fair growth this year and there is every probability that they will finish up fine flowering crowns for next season. Free mulching with good manure is very helpful to old clumps now, also watering with manure water if this is available, all helping round out a good season's growth, which by its decay in fall will materially strengthen the buds for next year.

### Chrysanthemums.

Plants benched in May are growing strongly and some already have reached the first break as the appearance of the flower bud in the top of the growth is termed by growers. As a rule there are from two to five young growths springing from the leaf axils just below these buds and it becomes necessary to select one of these to carry on the plant's growth. We never choose the first one as that is almost invariably weaker than the second and third. Below these latter we do not go as shoots taken lower than this lead to crooked stems. The second for single stemmed plants and the second and third for twin-stemmed ones are, all things considered, the best. Some varieties are troublesome from this time on by throwing flower buds every couple of weeks or so. Except in the case of the varieties that are needed in flower extremely early the buds must be rubbed out on sight and the same process repeated with regard to the growths. Considerable care is still necessary with the watering and it is just as well to retain some part of the soil as dry as possible, watering around the plants only. This will give new soil for the roots at the time the buds are forming and prevents the yellowing sometimes seen in late summer when the soil is sodden. Green fly will probably continue troublesome and spray-



ing with nicotine preparations or fumigating should be kept up regularly until all are destroyed. The spraying is usually more effective and less likely to injure the plants than fumigating at this time, when it is difficult to get the temperature below 60° at night. Weeds will still be a trouble in the newly planted beds and must be kept under constantly both for the sake of tidiness and because of the insects that nearly always infest them. Many growers start in to feed at this early date, apparently under the impression that liquid manure can never do harm, but it is, to say the least, unnecessary and may prove harmful. Let the roots become well established and with a good hold on the soil before feeding.

#### Shading.

The extreme heat and bright sun of the ordinary American summer always proves too much for the color of outdoor flowers and some arrangement for shading has to be made if the flowers are to be produced at their best. Not only is this beneficial to the flowers but, in the majority of instances, the plants too will make a cleaner, better growth than when exposed all summer long to the burning rays of the sun. Some flowers, of course, stand sun much better than others. The yellow composites, natives of our prairies, are able to put up with a degree of sun heat that would be absolutely fatal to some of the European and alpine plants generally. Gaillardias like sun but even with them light shade is a great advantage while trolleuses, pyrethrus, gladioli and even delphiniums are all better for shading. A few rolls of common muslin do not cost much and if carefully used will last two or three seasons.

## THE RETAIL TRADE

### Wreath With Boxwood Foundation.

SEE SUPPLEMENT WITH THIS ISSUE.

Good, fresh boxwood, well arranged in a wreath, cross or other device, is always attractive, the deep, shining green serving admirably as a background for almost every class of flower. But too often we see boxwood so tightly and closely packed that it looks stiff and unnatural. A few sprays should be allowed to escape from the wreath and stand out to break up the outline and lighten the effect and this can be done without making it look rough or uneven. White, red or pink carnations have an excellent effect over boxwood, especially lightened with lily of the valley, Roman hyacinths or some other small flower. In the fall chrysanthemums again are elegant in a wreath of boxwood while dahlias, gladioli, or, in fact, almost any class of cut flowers do well if artistically arranged. Boxwood serves admirably as a setting for large, bold designs for funerals in conjunction with croton leaves or other colored foliage, indeed there is hardly any class of cut flowers or greens that do not harmonize well with this hardy, long lasting and effective foliage.

### Some Timely Window Suggestions.

#### BUCKETS AND WELL.

A pretty window display is suggested in the imitation of two large well buckets made of lacquered wood or porcelain. These should always be used in pairs suspended by a rope over pulleys which should be covered with ivy branches. Use growing rhododendrons to fill the buckets. In this case

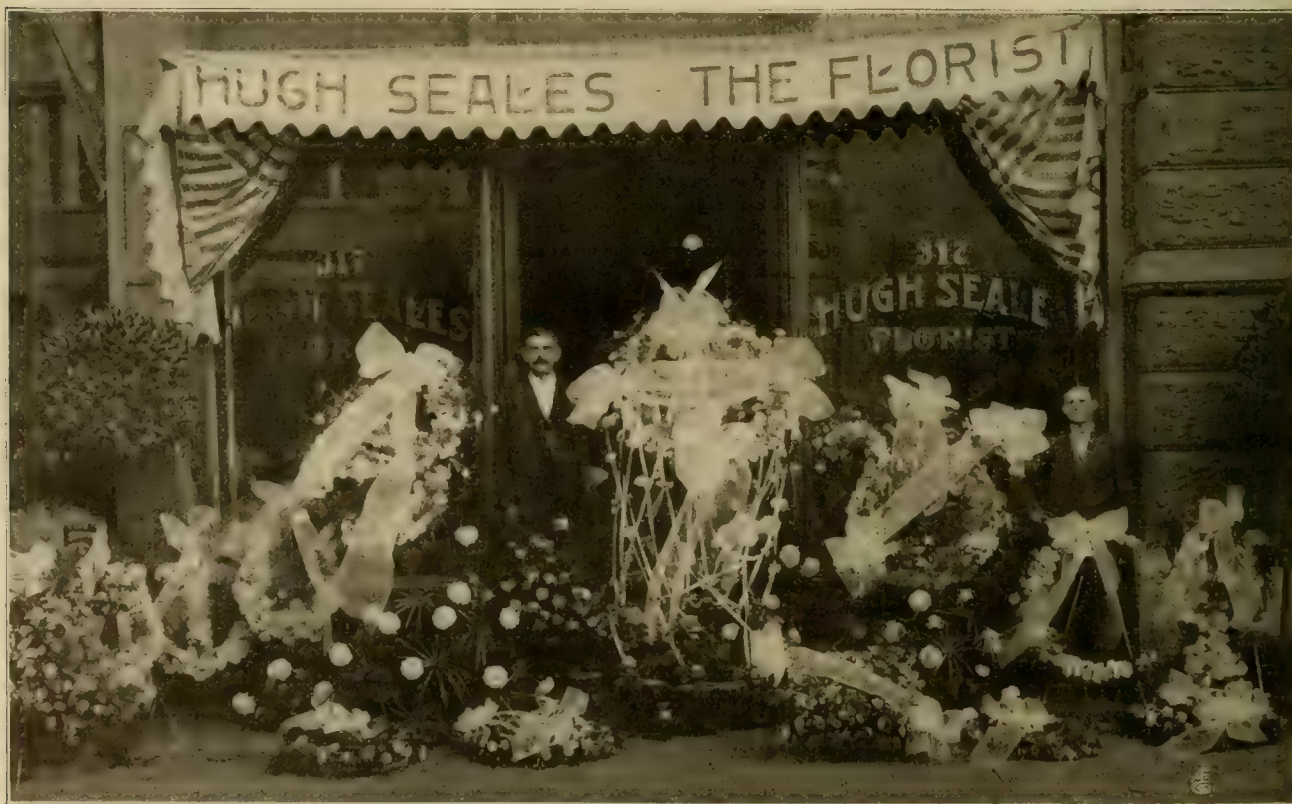
it is advisable to use a blue porcelain bucket, as this will harmonize with the rhododendrons—using moss with it to take away from the set effect of the flowers. Old tree stumps can be used to good advantage to imitate the well below, partially covering it with green and the brown Southern moss. The floor of the window should be covered with a soft green moss or natural grass, if possible. Tall boxwood trees in the background grouped with potted rhododendrons finished at the edge with a triple row of low, hardy ferns and with the southern moss make an artistic whole and give it completeness.

#### THE SCALE WINDOW.

This is made of a rough bough for the center balance—propped up on a mound of scarlet geraniums. At either end of this rustic bough attach a flat basket of good size. Fill each basket with the double white geranium, selecting a low-growing variety; finish the edge with southern moss to cover up pots and basket. Take white gravel for the floor of the window. Laurel, or any kind of pretty shrubbery can be used for the background, mounding a small pyramid of red geraniums in either corner. For finish of the foreground use a double row of bachelor buttons close to the window.

#### LIBERTY BELL WINDOW FOR THE FOURTH.

Take a large sized wire frame, the size of the original Liberty bell, and cover it with moss. Make the bell of yellow pansies or even the common buttercup; both are effective, but the pansy gives the suggestion of "the thought." Place the bell suspended from a rustic beam set on two rustic stumps and at the base of the rustic



HUGH SEALES, BIRMINGHAM, ALA., AND SOME OF HIS HIGH GRADE WORK.





BOXWOOD WREATH WITH CARNATIONS AND LILY OF THE VALLEY.









COMET WINDOW OF W. J. PALMER &amp; SON, BUFFALO, N. Y.

stumps place alternately red and white geraniums and lobelias for a red, white and blue effect. Place a mirror below for a reflection and finish with some moss of the southern variety. Blue hydrangeas should be used for the background on either side in groups, and between these groups suspend a large silk American flag.

#### AN AUTOMOBILE WINDOW.

Have a wire frame made to resemble an automobile. Do not moss it too thickly. For the body use scarlet geraniums, for the wheels scarlet geraniums, using the single flower; make the axle of some yellow flower. Also make the front extension of geraniums in a flat mass of the single flower. For the canopy use ivy or galax leaves, with sprays of ivy leaves to wind around the canopy supports. For the dashboard and wind guard use ivy with an edge of some yellow flower—using this combination for the miniature lamps. Bank handsome tall palms in the center of background with smaller groups in either corner. Cover the floor of the window with sand or fine gravel and a wide border of grass—using very small ferns, etc., to finish where necessary.

A. E. KLUNDER.

MIDDLEPORT, N. Y.—J. G. Gould and M. Spangenberg have interests in common in the Wholesale Cut Flower Co., of 495 Washington street, Buffalo, and Mr. Spangenberg and wife have moved to the latter city.

## FLORISTS' PALMS.

### Fighting Insect Pests.

As the weather grows warmer there is likely to be a fresh outbreak of insects in the palm house, for, even though the plants have been carefully cleaned before repotting, there are sure to be some of these pests that have been passed over, and few of them are needed in order to re-colonize the house. The various preparations for spraying and dipping have different degrees of value as insecticides, some being efficacious against some insects only, while others will endure more insecticide than the plants are able to stand. Speaking in a general way, the various oily preparations must be used cautiously on foliage plants, for while the mature leaves may be able to stand a given strength of the insecticide, the young leaves that are just unfolding will not bear nearly so much, the consequence being that the plants are subject to injury in the part that shows the most. Even too much soap allowed to soak down in the heart of a young palm will frequently rot off the center leaf. But used carefully, the sulpho-tobacco soaps have much value as a dip, and will go a long way toward keeping a house of palms in a clean condition, always provided that the treatment is commenced before the plants get badly infested, and is

continued afterward at regular intervals. Prompt treatment before the insects get control is the proper method, and will do away with a lot of scrubbing and cleaning, to say nothing of avoiding a lot of injury to the foliage.

An aphid that varies in color according to the plant upon which it feeds, being sometimes gray or slate-colored and sometimes nearly black, is frequently found upon the young and unexpanded leaves of the palms during the spring and summer months, and not only weakens and discolors the foliage, but also makes it very dirty. This insect is readily disposed of by means of fumigating with nicotine paper, or by spraying with nicotine solution, the fumigation being the easiest method from the fact that the smoke will reach all around the growth, while the spraying may only strike one side of a leaf. Yellow thrips is another warm weather pest that is liable to do much harm to arecas and kentias in particular, though not confining its attacks to those palms. This insect may also be destroyed by fumigating or spraying, or by both combined, the fumigating being more effective if the foliage of the plants and the atmosphere of the house is moist at the time of the application. Thorough syringing will do much to prevent attacks of red spider on the palms, but during the winter latanias are quite likely to develop



colonies of this troublesome pest, and a soap dip will do much toward overcoming them. In the hot weather arecas are sometimes attacked by red spider, and in this case the insects are more likely to be found on the upper surface of the leaflets than on the lower side, and where any leaflets are noticed with the edges turning up instead of down, it is well to examine them for red spider, the punctures of the insect having the effect of contracting the surface of the leaf to such a degree that the edges of the leaflet turn up from their normal position. With proper syringing there is seldom much trouble from mealy bug on palms, but still there are cases in which this insect has given much trouble, for it breeds with great rapidity, particularly in May and August. Sulpho-tobacco soap and nicotine solutions are both effective against this insect, and when used faithfully will soon prevail.

The many varieties of scale are the greatest insect enemies the palm grower has to contend with, and the only way to keep them down is to fight them continuously from their first arrival, knowing that the young scale are easily killed before they form their hard covering, while it needs a strong preparation to penetrate the covering of the mature insect. The present season has again demonstrated the wisdom of keeping fires late in the year, or rather the poor economy of letting the fires out too soon, for the nights have been so cool that newly potted stock would suffer without some artificial heat. In the latitude of New York it is seldom that one can be safe without a little fire heat in the palm houses until at least June 1, and frequently it proves better to continue it until June 15, in order to give the stock a good start. Some warmth in the pipes and a crack of air on the ventilators will provide a much better growing atmosphere for palms than will be found in a closed house, with no fire heat. Water carefully, but thoroughly, for a newly potted plant that has not been watered through to the bottom will not make a satisfactory start—indeed it cannot while suffering from thirst.

W. H. TAPLIN.

## WITH THE GROWERS

John Welsh Young, Philadelphia.

Being anxious to see the home of the roses that brought honor and first prizes to that painstaking grower, John Welsh Young, of Germantown and Roslyn Heights, I accepted the invitation and journeyed out to his new establishment at Roslyn Heights. This admirable situation is but a few minutes' auto ride from Wyndmoor, where John Burton and his two sons' separate establishments, and Myers & Samtman raise their famous roses. Or in another direction not much further away is Hillside, with Farenwald, T. Towill and Victor Groshens. The Jos. Heacock Co. at Wyncote is also within the circle, all of which are names to be reckoned with, either in the cut flower market or on the exhibition table. It may be the air or

the water or the soil, but there is a something in the atmosphere of these Montgomery county hills which, combined with the skill of the growers, gives such good results.

Mr. Young's greenhouses are five minutes' walk from the station. To me they look like the first installment of a great establishment. There are two houses, 35 x 300 feet. These, of King Construction, are models of the builder's art, being perfect in every respect, affording the maximum amount of sunlight. Continuous ventilation on both sides at the ridge allows air to be given at any time required. The apparatus for regulating this is the quickest acting I have seen. The heating system is somewhat different from that most used by growers in this section. Two new 85-h.p. return tubular connected boilers set on the surface of the ground, furnish steam under a 40-pound pressure; this is delivered to the greenhouses through reducing valves at an 8-pound pressure. With this reserve power there is never any trouble about getting all the heat required to all parts of the system. The condenser steam or water is pumped back into the boiler. The problem of water was a serious one, although a stream passes through the property, but Mr. Young, having known of long dry spells, safeguarded himself with an artesian well, which had to be drilled down 277 feet before satisfactory results were obtained. Water now rises to within 27 feet of the top. This is pumped into an iron tank of 2,000 gallons capacity, the pressure gage on top showing 40 pounds. This force allows for considerable use, but when any general watering of the houses takes place a Dean force pump is run by steam from the boilers, keeping up the pressure in the tank. A small steam boiler, for pump power, is installed for use in summer when the fires in the large boilers are withdrawn. This water system costs in interest, charges and coal about \$70 per year, a not excessive amount compared with measured and city systems.

The roses grown are Killarney, My Maryland, Richmond, American Beauty and White Killarney. My Maryland was more prolific than Killarney, about as 8 to 10. White Killarney was most satisfactory, doing quite as well as the pink variety; while in the early fall and late spring the color was not pure, yet it was at all times a good seller. Pinching is resorted to to get long stems, for, as Mr. Young says, "We aim to get as many of the best as we can, for we are sure to have plenty of the lower grades." The plants were all in ground beds, which had been made without drainage of any kind. A 6-inch cypress board around the borders keeps the soil in place.

In one house, My Maryland, Richmond and Beauty were growing in sections or blocks, without divisions, and all seemed as vigorous and strong as could be wished. The other house was planted entirely to Killarney. The tea roses will all be kept in for another season, being given a rest of three weeks about the latter part of June or early July. Mr. Young has also erected a commodious dwelling for his superintendent, Clarence Upton, who, by the way, is a very efficient man and takes great interest and pride in the products of the place. A contemplated improvement is an ice house or cooling system for keeping flowers, which for the present are all sent to the Germantown branch of the business at the end of each day. Taken altogether this is a very interesting place to visit, the high class of the stock produced and the various economic methods in producing it being worthy the study of other growers.

K.

SALT LAKE CITY, UTAH.—Sidney R. Lambourne was assaulted by a conductor on a Fourth street car June 18. Mr. Lambourne rang the signal bell to stop several times and eventually spoke to the conductor who struck him.



INTERIOR OF THE STORE OF C. R. JAEGER, SEVENTH AVE., NEW YORK.





CYMBIDIUM LOWIANUM.

## ORCHID NOTES.

FUMIGATE twice every week if there is any suspicion of cattleya fly.

GROW *Cattleya Mossiæ* on now strongly in order to finish up good growths by fall.

REPOT *Cattleya gigas* directly after flowering and before the new roots start at the base of the pseudobulbs.

*CATTELEYA SUPERBA* and *Epidendrum bicornutum* require more sun and heat during the growing season than any others in these genera.

DON'T mind leaving the orchid house door open sometimes. The orchids will not run away and a little fresh air is of great benefit.

KEEP *Dendrobium Phalænopsis* well up to the light now and it will grow away rapidly and flower freely. Give plenty of atmospheric moisture.

### *Cymbidium Lowianum.*

There are few finer orchids for exhibition purposes than *Cymbidium Lowianum*, a picture of which is given herewith. It is a strong growing, vigorous rooted plant that anyone with a little knowledge of orchid culture can take up with every prospect of success. In the earlier days of orchid culture when it was thought that every orchid, no matter where it came from, had to be grown in a high temperature, *Cymbidium Lowianum*

was not a success and for years afterwards the fact that it came from great elevations on the Khasia hills did not enter into the growers' calculations and they kept it in hot houses, with very little air. Since more natural conditions have been given it, a cool, moist atmosphere and plenty of air at all times, the plant has been a much greater success under cultivation.

Unlike those of most orchids, the roots of *Cymbidium Lowianum* are strong and capable of taking hold of a fairly heavy compost. For this reason we always mix a moderate amount of good fibry loam and a little well dried cow manure with the peat and moss when mixing the compost for strong, healthy plants. Smaller, weak or unhealthy ones are better without it. The reason we use it is not so much because it is absolutely needed by the plants but because it prevents so large a pot being necessary. When these plants are repotted often, the roots having filled the pots, the latter soon get to be of an unwieldy size and awkward to handle and the loam and manure helps to make the food for the roots more concentrated. The flowers of *C. Lowianum* are a long time in forming and coming to perfection, often as much as three months elapsing between the time the spikes show and the time the flowers are fully expanded. They also last a very long time in good condition when open.

### The Evergreen Dendrobiums.

While not so useful for cutting from as the deciduous section of the genus, the evergreen dendrobiums are magnificent plants for a display, either in the conservatory or flowering house or as exhibition specimens. One of the finest of this section is *D. thyrsiflorum*, the subject of the accompanying illustration. It is a tall erect growing plant and the racemes of flowers are tinted white with a yellow center or lip. It is perhaps a little stronger growing but otherwise almost identical in habit with *D. densiflorum*, the flowers of which are deep golden yellow, considerably crowded on the spikes. Other fine yellows in this class are *D. chrysotoxum*, *D. suavisimum* and *D. Farmeri* and they all thrive under similar cultural conditions. While not advising large pots for these beautiful dendrobiums yet the roots are larger than those of the deciduous groups and while the latter never seem happier than when growing over and over each other and fighting for a place in the small pot or basket those of *D. thyrsiflorum* and its allies like a rougher, more open mixture and more of it.

These plants like plenty of heat and moisture during the short time they are making their growth in summer, but when this is complete they do well outside in a position where a little shade can be given during the hottest weather or in a frame with the lights



tilted and also lightly shaded. It is not at all unusual for them to make two sets of growth in a season, but it is not advisable to force them to do this. Just let the plants take their own way and they will be all right. While they take a distinct resting season, these plants do not need such severe drying as the deciduous kinds and it is weakening to them to shrivel up as they will do after flowering unless sufficient moisture is given in winter to keep the stems plump. At this season a temperature of 50° is ample, gradually increasing this and also the water supply as the days lengthen in spring.

## THE CARNATION.

A LITTLE care now of the young stock in the field, with regard to stopping the shoots and removing flower spikes is well repaid by the better quality of the plants later.

NEVER leave the plants on the benches after they are done with as they only spread insects and disease. Take them out and clean, repair and refill the benches ready for planting.

KEEP full air on the houses in which young summer stock is growing and if there are some benches still double planted get the extra plants out and planted in their permanent places without any further delay.

FIELD stock, as far as we have seen, that was planted out before the recent severe weather, does not appear to have suffered much. The plants were checked, it is true, but they are coming away strongly again now and are naturally very hard and vigorous.

### Carnation Buds Damaged.

ED. AMERICAN FLORIST:—

What is the trouble with the enclosed carnation buds and growth?

P. M. L.

The carnation buds are badly infested with red spider and indicate having been burned with some insecticide or by an over abundance of fertilizer.

C. W. JOHNSON.

### Carnations in the South.

Carnations in the field, except in favored sections, are rather undersized on account of the long spring drought which has been general in the south this season. Hardly any of the growers are equipped with efficient means for watering a large patch. Trying to water a large patch of carnations with the hose is very much like Mrs. Partington trying to sweep back the Atlantic ocean with her broom. Wetting a couple of inches of the top soil works more harm than good by inducing the roots to come to the surface and get burned up. A small patch may be watered with the hose but the dose must be a thorough soaking. The best time to do this is in the evening to allow the plants to absorb their fill of moisture. Next day the ground should be worked over in order to conserve the moisture as long as possible. Irrigation is the best method of supplying water and where the ground has a slight fall this is very easily accomplished, especially

where the ridge and furrow system of planting is adopted. Frequent and thorough stirring of the surface soil will generally carry the plants through the longest drought. In the ridge and furrow system the sides of the ridge are barred off with a bull tongue plow and then the soil is replaced by using a sweep up the center of the furrow. The hoe is then used to keep the surface of the ridge from baking.

Topping the plants is most important just now. This part of the work



*Dendrobium Thyrsiflorum.*

should be gone over every week, pinching only the shoots that are long enough. By this method the tendency to crop will be very much lessened. Next month, from the beginning to the end, according to the section of country, will be housing time and every effort must be directed to have the plants in good shape by that date.

WM. LEAR.

### Dahlias for Fall Flowering Inside.

ED. AMERICAN FLORIST:—

I have some cactus dahlias in 6-inch pots in the greenhouse. They are about 18 inches high. What is the proper treatment to have them in flower in the fall, after the outdoor plants are killed?

W. B.

Later plants would probably have been better for this purpose than those described by "W. B.," but if they are to be tried they should be kept as cool as possible and planted out in an open position before they get too much potbound. Keep the flower buds all pinched out until the end of August when the plants must be lifted and planted on the greenhouse benches, leaving full air on the house and spraying the plants several times daily until they recover. We may get killing frosts for dahlias any time after the middle of September, so in order to be sure of a succession the flowers should be allowed to form as

soon as the plants are re-established. Maintain a temperature of 55° at night, and allow plenty of air. We are not recommending the plan as a moneymaking proposition but only as a chance method of using the plants that may turn out profitable.

G.

### The Modern Sweet Pea.

The summons announcing that the sweet pea trials and seedlings at the Morse ranches were in bloom came a week earlier than expected. In this visit I took in those ranches, one at Mt. Eden in Alameda county, and the two large ones at Gilroy. One item of this trip was a splendid automobile ride of 100 miles and I was glad of Mr. Morse's company. Notwithstanding that we have had a seemingly very favorable season for sweet peas they came a little prematurely into bloom, and were correspondingly weaker in growth, so that probably the season's yield will be a little below the average. The trials are nearly all either of the Spencer or Unwin types, and we hardly expect now to see any other among the seedling stock. But a new type is coming in. It is a little early to speak of it, but the new crossings come in such strong form that we are evidently not done with new developments. Beautiful selections are promised. One in particular I can mention—a pink striped on primrose ground which will be called Ethel Roosevelt.

For an American picotee, pink Spencer Dainty will take the place of the others that have been offered under this description, although I have not yet seen John Eckford's Picotee. Looking over such varieties as Audrey Crier, Bobby K., Florence Morse Spencer, Mrs. Hardcastle Sykes and Princess Victoria, they are all practically the same thing. Our only course must be to select one good strain. The name Florence Morse Spencer will be retained. We do want a standard type of this picotee pink edge. Elsie Herbert is very much the same thing as Spencer Dainty.

Very few things that come to us under English names will have trade value for our seed growers. Some respect will be paid to priority of introduction where good standard colors are found among the English novelties. But American crossing is breaking into everything the English specialists have. The second year after the crossings are made there is such a redundancy of variation that a large part of this seedling stock is put right into what is called the Superb Spencer mixed. The American seed grower cannot think of growing under distinct names more than a few of them, especially as the Spencer blood is so hard to reduce to fixity, and yields so small a return of seed. For a practical white Spencer there must be simply a persistent selection for seed stock of whatever takes best size and form, and whether it happened to come in Elta Dyke or Nora Unwin or from new crossing, it will be simply American White Spencer. So of all the standard colors. If there should chance to be any peculiar English quality about them it will not





INTERIOR OF THE LARGE HOUSE AT WM. H. ELLIOTT'S, MADBURY, N. H.

hold here, and will take on the character that results from the California soil and climate. Nothing is lost, and a stronger type is perpetuated.

We went over the same long list of names as last year. Five hundred names can be reduced to 100. Things that show novelty of color often come at first in the old small sized flower, but now each year these colors appear in the American seedlings in better size and form. Four out of every five of the names on the English list can have but the most transient recognition by such growers as Morse and Burpee. I was hoping that this year such scarlets as Queen Alexandra, Scarlet Gem and George Stark would be improved upon by a truer scarlet. A new approach is coming through Cerise Scarlet and another through Orange Scarlet, but we are not quite there yet. In the bright rose, Millie Maslin and Marie Corelli are a decided advance. In pure lavender we do not seem yet to get away from the old hooded form. In either Kitty Clive or Maggie Stark we have a Spencer cerise salmon. The attempt to get a good Spencer with the Blanche Ferry colors has resulted in confusion. It goes under the names of Mrs. A. Ireland, Miller's Wavy Bicolor, Apple Blossom Spencer, and now a selection of it is called Blanche Ferry Spencer.

The English introduction called The King was larger and finer than King Edward VII. Our English friends may be interested to know that Mrs. C. W. Breadmore is a little ahead of Evelyn Hemus. Among the American seedlings this year Pink Friar Spencer appears. It would be difficult to describe some of the rows of seedlings that show the second year's break. For instance, suggestions of lavender from the lightest tinge through quite a scale of shades were noticeable. So also in the variations of salmon or-



Iris Germanica Mme Chereau.

ange, salmon buff and salmon cerise. Some pretty selections will be made from these. In my own planting of the 1910 novelty, W. T. Hutchins, it has broken badly. It makes a good Spencer apricot buff, and when a couple of days old it is a Stella Morse Spencer. I was glad to go over a good many acres of trial rows and seedlings with a grower who makes the most tireless study of them, and who is both an expert and a very practical grower for the trade. I do not see how a more commendable method, or more painstaking labor could be given to this department of seed growing.

W. T. HUTCHINS.

#### German Iris Mme. Chereau.

The pretty variety of German iris figured herewith, Mme. Chereau, is one of the most useful varieties in existence for cutting, and good also for a display on the plants. The flowers are pure white in ground, with markings of a delicate blue and it grows about 30 inches to three feet high. The illustration was prepared from flowers grown by Elmer D. Smith & Co., Adrian, Mich.

#### Growing Ferns Outside.

ED. AMERICAN FLORIST:

Will you kindly let us know the best method of growing nephrolepis and other ferns outside? Would it be best to construct frames and how much shade is required? Could they be grown under laths or must they be placed under glass? Any information regarding this will be greatly appreciated by us.

T.

It is best to grow the ferns in frames, from the fact that they may be kept more under control in stormy weather, for heavy rains will be liable to beat down the foliage if the plants are unprotected. Some shading material is required, but whether sash, muslin or lath shades are used it is better to raise it on a light wooden framework about one foot above the sides of the frame, so that abundant ventilation may be had. For small ferns sash are preferable, on account of the protection from heavy rain, but for nephrolepis of fair size the lath shading would answer very well, and if glass is used it would need a light shading of whitewash or whiting and oil. Plunging the pots in ashes, hops, or sand in the frame is a good practice, as it keeps the roots cool, and prevents the plants from drying out so frequently.

W. H. T.

CHICO, CALIF.—The operations of the local government plant introduction garden will be greatly extended this season, this work having been found a great benefit.



### Roses That Travel Well.

The illustrations herewith show examples of good keeping qualities in roses that are, we think, better than the average. The American Beauties were shipped from the Dale Estate, Brampton, Ont., taken to New York and placed in cold storage on board a steamer bound for England. They were photographed after arrival in London and lasted over a week afterward. The other picture shows an even more remarkable result. The variety is Canadian Queen, a rose, by the way, that is not sufficiently known in this country. The flowers were kept in the cabin of a lady passenger during the entire seven days of the trip, photographed on arrival and lasted four days afterwards. This speaks well for the quality of the stock shipped from this well-known place and also for the care taken in the packing to insure safe arrival.

### Fancy-Leaved Caladiums.\*

#### Culture Outdoors in the Northern States.

Although many araceous plants closely allied to this genus are commonly used in sub-tropical bedding, the fancy leaved caladiums are not very popular. This is due principally to the fact that the foliage of most varieties is too delicate and cannot endure the rays of the sun. But it has been proven that some of the older varieties can be successfully used, especially when planted in half shade, and for this reason they are gradually becoming more popular. In Europe they have been used as bedding plants for many years. George Huster, for many years gardener at Girard College, Philadelphia, was the first to grow caladiums successfully outdoors in this country. He knew just what varieties would succeed and every season large beds of them would be scattered over the campus and were greatly admired. Since then a good many of the gardeners in the eastern and northern cities have followed his plan, and in almost every public park a bed of these beautiful leaved plants can be seen, planted in a shrubbery clump or in a single bed shaded by the boughs of a tree during the hottest part of the day.

In this latitude caladiums can also be grown outdoors successfully. At the Missouri Botanical Garden the beautiful little *C. Humboldtii* is used as a bedding plant with many of the older varieties. James Gurney, superintendent of Tower Grove park, St. Louis, has had great success with some of the recent productions. In the summer of 1908 he planted a large bed with about 50 of the newer varieties. Sub-tropical bedding was used as a background and the effect produced was truly wonderful. The location was prominent, and the plants called forth exclamations of wonder and delight by even the casual observer. Here we learned how few people knew these beautiful leaved plants, and it fully convinced us that few people outside of the gardening fraternity are acquainted with the caladium.

The culture of the caladium outdoors is about the same as the culture of other tropical bedding plants. The soil should be pulverized and well worked some time previous to planting the tubers, and a good proportion of leaf-mold, bone meal and sand should be incorporated. The tubers can be planted in a dormant state or they may be started in a greenhouse, and then planted out. It is claimed that those planted out in a dormant state eventually make better plants, because those started in a greenhouse are apt to sustain a check in the hardening off process and will sometimes even lose their leaves. The larger tubers should be used in the background, while the smaller may be used as a border in the front. The distance at which they should be planted apart also depends upon the size of the tubers, but on an average about one foot is the practical distance. As in the greenhouse culture water should be applied freely. Frequent watering with manure water is also absolutely necessary for the full development of the foliage. The tubers should be taken up in early fall to avoid danger from frost. They should then be placed to dry on a bench in the greenhouse. After they are thoroughly dry, they can be stored away in the same manner as those grown under glass.

#### Culture in Florida.

The following notes on the culture of caladiums in Florida are from the pen

Lietze, Bleu, Hoffmann and Bause newer productions are represented in his collection.

#### SOIL AND TIME OF PLANTING.

"The soil best adapted for the cultivation of caladiums in Florida is a rich, sandy humus, moist and always loose. A mucky soil or a heavy loam is not suitable. The soil must be deeply worked (at least a foot deep). An application of well rotted stable manure is spread over the ground or, if this is not obtainable, cotton seed meal should be spread over the ground at the rate of one ton to the acre, and plowed under in January. We commence with planting early in March and finish early in May. We plant in rows eight inches apart and set plants one inch apart in the rows. The tubers are divided like potatoes."

#### CULTIVATION, WATERING AND FERTILIZER.

"March, April and May are the dry months in Florida. For this reason irrigation is necessary, also half shade. This half shade is supplied by lath sheds which are built over the beds (see illustration). The ground must be frequently stirred with a hand cultivator until the plants shade the ground entirely. The soil must be kept free from weeds. When the plants are set out a half ton to the acre of Simon Pure fertilizer is spread over the ground and raked in. Another application of the same fertilizer (one ton to the acre) follows in August. The soil must be kept constantly moist un-



ROSE AMERICAN BEAUTY.

Grown by the Dale Estate, Brampton, Ont., and Photographed in London, Eng., After Ocean Voyage.

of Henry Nehrling, Gotha. Mr. Nehrling grows these beautiful plants on a large scale for the wholesale market. His collection of named varieties is the largest in existence. Nearly all of the

til the plants have finished their growth in November.

"When the cool nights of November set in the plants show signs of going to rest. Then digging of the tubers

\*Mr. Nehrling's paper commenced in our issue of July 10, 1909, and was continued July 31, October 9, November 27 and January 8, February 19, April 9, May 7 and 28, 1910.



begins. As long as they push up new leaves they are left undisturbed, but when they cease to do this they are harvested. They are dug and placed on layers of pine needles until they are perfectly dry. Then the salable tubers are stored in the packing house in sawdust, and the shipping begins soon after the first week in January. The tubers grown on very moist land and on mucky soil are often of a large size, but they rot easily and are not fit for shipping.

#### WINTERING THE TUBERS.

"All the tubers for propagating purposes are wintered in trenches in the open air. The trench should be six to eight inches deep. In this trench they are spread out and covered with six or eight inches of soil. Here they come through the winter in perfect condition. I have found that the tubers in Florida can endure a temperature of 40° and even 36° in the soil, while in the north they should never be wintered in a lower temperature than 55°.

#### PACKING THE TUBERS.

"The tubers sold to wholesale firms are usually packed in paper bags in sawdust. We pack each tuber separately in paper and then in paper bags with sawdust. These paper bags are placed in large boxes and are again thickly covered with sawdust. They are always forwarded by express, usually at a time when the weather in the north is mild. They are always held back when an exceptionally cold wave is announced by the weather bureau. Tubers sold retail are always wrapped separately in paper, packed in small boxes and forwarded by express."



ROSE CANADIAN QUEEN.

Grown by the Dale Estate, Brampton, Ont., and Photographed in London, Eng., After Ocean Voyage.

### Past, Present and Prospective of the Seed Trade in America.

BY FRANCIS BRILL.

Some five years ago, when nearing the time of life allotted to the human race, I began to realize that after an experience of half a century in the seed business that I knew but very little thereof as compared with the younger generations in the trade, and the thought suggested itself that the little I did know of "The Past, Present and Future of the Seed Business of America" might interest the members of our association and perchance some non-members. To the officers then in control of the association I offered my services, but was informed that the programme for 1905 had already been made up. The next year I again sought the honor, in ample time for the convention of 1906 only to be informed that another person had been asked to prepare a paper on the "Early History of the Seed Business." A few months ago in correspondence with President Robinson the matter was referred to and through his courtesy it was arranged for me to prepare a brief paper on "The Past, Present and Prospective of the Seed Trade of America," which I now present to you.

#### SIXTY YEARS AGO.

As to the past, my memory goes back fully 60 years, when, as a boy, I knew personally several of the pioneer seedsmen of America. among them Grant Thorburn, Sr., his sons George C. and William, and later on the sons

of George C., the well known firm of James M. Thorburn & Co.; Thomas Bridgeman, and later his son Alfred for whom I clerked in the early fifties at the old seed store, Broadway and Eighteenth street, which locality was in those days considered "away up town," and was, in fact, in close proximity to many small market gardens where today stand great hotels and theaters, grand residences and lofty skyscrapers—monuments to the wonderful advance of civilization and progress in the new world, and the rapid and substantial growth of the city of New York practically, within three quarters of a century. Alexander Smith, Thomas Dunlap and Young & Elliott, all of New York; Robert Buist, Sr., later Robert Buist, Jr., David Landreth and Pascal Morris & Co., (by whom I was employed as clerk in 1857) all of Philadelphia; John Stair of Cleveland, founder of the present house of Kendel, and James Vick of Rochester, N. Y.

I remember well when, in 1847, Peter Henderson and his brother James came to Jersey City and bought out my uncle's establishment, market gardening and two or three small greenhouses, on rented land immediately adjoining my father's patch on the Van Vorst property. They were young men without much capital but plenty of grit. James died early, and the business was continued by Peter, who later on was associated with one Fleming in the seed trade in Nassau street, New York, and later was the head of the well known firm of Peter Henderson & Co. I am writing from

memory and may have overlooked some of the solid "old-timers," but they will not feel slighted, for undoubtedly they have passed away, and in company with those above named who have gone before, are now enjoying the reward promised to all who sell honest seeds. in that beautiful land "Where moth nor rust doth not corrupt nor thieves break through nor steal," nor over zealous congressmen and state legislators meddle with the seedsman's business. In this connection I desire to say that seedsmen who deal in vegetable and flower seeds, and handle only stocks of undoubted purity need have no fear of any laws hatched out by members of congress or members of state legislatures, which are absurd, uncalled for, and unnecessary.

#### OLD TIME CATALOGUE PRICES.

To get rid of dishonest dealers who sell "any old thing" that can be bought for "any old price" give them rope enough and they will hang themselves. I do not handle grass seeds but it seems to me it must be very difficult to detect foul seeds in most varieties thereof and undoubtedly some of the laws enacted or proposed are very unjust. In my boyhood days, and even up to 30 years ago, prices were higher and profits much greater than now; seedsmen turn their money practically but once a year and in former days seeds were sold at the seedsman's legitimate profit and not as now as too often the case, on the grocer's or dry goods merchant's margins, or along other lines where capital is turned monthly, or weekly, and why have conditions changed? Simply because some of our craft, not satisfied to do a legitimate competitive business have adopted a system of



cut-throat opposition. I was able to procure several old time catalogues to help me out, but have been disappointed—some claiming that such had not been preserved, and a few failed to respond although in each case I complied with the usual custom demanded. My thanks are due and hereby tendered to F. W. Bruggerhof of J. M. Thorburn & Co., for a copy of the catalogue of G. Thorburn & Son, 1827, 4x7 inches, 96 pages, in large part a treatise on the cultivation of seeds and flowers. Also "Catalogue of Seeds," James M. Thorburn & Co., 1847, and a bound volume of their catalogues from 1864 to 1877. S. F. Willard has also kindly loaned me a "Wholesale Price Sheet" of seeds for sale by Comstock, Ferre & Co., 1849.

It is interesting to compare these with the catalogues and price lists of the present day. For instance, to take a few leaders, Comstock, Ferre & Co., wholesale: Beet, per pound, including mangels and sugar, 50c; and Bassano (now scarcely known), 75c; cabbage, mostly imported varieties, \$1.25 to \$1.50; carrot, 75c to \$1; cucumber, 75c; lettuce, \$1.25 to \$2; melon, about 75c; onion, 75c to \$1; pepper, \$2.50; radish, 50c; spinach, 40c to 50c; squash, 50c; tomato, \$1.50; turnip, 50c to 60c. In the catalogue of G. Thorburn & Son, 1827, there are enumerated a line of seeds, some names of varieties still familiar, while others, having served their day and generation, are no longer in vogue; for instance, the list of cabbage seeds, mainly imported, comprises more than 20 varieties, 15 of which cannot now be found in any American seed catalogue. The various articles are not priced as now, but are prefaced by characters such as the (\*), (f), (s), (M), (§), etc., and letters (a), (b), (c) and (d), which refer to "A Key to the Prices of Esculent Vegetable Seeds" on the fly leaf at the front of the book. No pictures, no paint, in those days. Prices were 12½, 25, 37½ and 50 cents and \$1 per ounce, and 12½, 25, 37½ and 50 cents per quart, nothing said about packets, pecks or bushels. The subsidiary coins of those days and up to 1857 were largely the Spanish sixpence, 6¼ cents and shilling, 12½ cents, which accounts for the fractions. By an act of congress passed in 1857, the value of these foreign coins was fixed at 5, 10, 20 and 40 cents, which soon drove them out of the country.

Flower seeds were sold at six cents per paper, 100 papers for \$5. In the 1847 catalogue of James M. Thorburn & Co., we find prices quoted: Beans, per quart, dwarf or bush, 25 cents; pole varieties, 25, 37½ and 50 cents; Indian corn, seven varieties, including but one of sweet or sugar, 25 cents per quart; six cents per ear; peas, 14 varieties at 25 cents, 12 varieties at 50 cents per quart, and seven new varieties at 25 cents per packet. Very few of the names of the varieties are now familiar. Beet, seven varieties, including Swiss chard, mangel, and two of sugar beet, 12½ cents; yellow turnip and Bassano, classed as new, 25 cents per ounce; cabbage, 26 varieties including kohlrabi and savoy, two-thirds of which are now unlisted, 25 cents per ounce; carrot, two varieties for table use, 12½ cents per ounce, two varieties for cattle, 75 cents per pound; celery, 25 cents; cucumbers, Early Frame and Early White Spine, 12½ cents; Long Green Southgate, Long Green and Long White Turkey, 50 cents per ounce; lettuce, 12 varieties, six at 25 cents and six at 50 cents per ounce; egg plant, \$1 per ounce; melon, 25 cents; onion, 25 and 50 cents; pars-

ley and parsnip, 12½ cents; pepper, four varieties, 50 cents; Sweet Spanish and Sweet Mountain, \$1 per ounce; radish, 12 varieties, 12½ cents; spinach, 12½ cents; squash, 12½, 25 and 50 cents per ounce; tomato, Large Red, Large Yellow, Cherry and Pear, only four varieties, probably enough for those days, as I have heard my father say he could well remember when there was not a half peck of tomatoes sold in New York city. He was born there in 1800, and as a market gardener dated back to 1828 at Jersey City, N. J. Of turnips, 16 varieties, including two ruta bagas, are listed at 12½ cents per ounce; flower seeds, 6¼ cents, some at 12½ cents, and a very few at 25 cents per packet. There are too many kinds to enumerate, but I must note by way of comparison the universal favorite, sweet peas, of which hardly a dozen varieties, including everything under the head of "Lathyrus," are mentioned, while today there are varieties and sub-varieties, types and strains, running into the hundreds.

#### CALIFORNIA SEEDS.

I have a daughter married to a member of an extensive seed growing firm in California. A few years ago in writing home she said, "The soil of this section does not admit of our having such magnificent lawns as are common in the east, but we have 140 acres of sweet peas in our back yard." The next year 360 acres were grown; last year 500 acres, and still a greater acreage soon to be harvested in 1910. This is only on one ranch and probably not one-fifth of the annual output of sweet peas in the wonderful state of California, where thousands upon thousands, yea, hundreds of thousands of acres are cultivated in seeds of every description from beans and all sorts of vegetables, to the very finest

ish, 75 cents to \$1; spinach, 63 cents; squash, \$1.50; tomato, \$3 and turnip, 75 cents per pound; egg plants and pepper, 50 cents per ounce.

All figures given are by way of comparison with prices ruling at the present day. It is true that conditions have changed, and very materially so within the past 25 or 30 years. Seventy-five years back there were very few regular seedsmen in America, and they depended mainly upon Europe for their supplies. Sixty and even up to 50 years ago market gardeners to a great extent grew seeds for their own sowing and aimed to have plenty, hence frequently they had a surplus which was eagerly sought for by the few seed dealers, who were willing to pay good round prices, and did not "kick" as is sometimes the case in these days, if a few pounds were sold here and there to neighbors who chanced to be short. I well remember 60 years ago how the five market gardeners on the Van Vorst property at Jersey City interchanged seeds—each one growing one or more kinds and selling surplus to seedsmen. Dr. Tracy, of the Department of Agriculture, whom all of you know, writing of "Vegetable Seed Growing as a Business," asserts: "Records of only about 45 firms that were in business in this country as distinctly seed merchants previous to 1862 can be found, while a list of American seedsmen, published in 1908, includes the names of over 800 American firms whose sole business is the growing and handling of seeds; with more than 650 other firms making seeds an important part of their business."

Were it not for making my paper too lengthy, I would like to quote further from Dr. Tracy whose article is full of information, and as a whole



AT THE INTERNATIONAL FLOWER SHOW, PARIS, FRANCE.

Portion of Vilmorin, Andrieux & Co.'s Exhibit of Irises.

in flowers. By chance I have found a copy of my 1860 list—a one-sided sheet, 5x9 inches—with prices to market gardeners: Asparagus, 75 cents; beet, 75 cents; cabbage, \$5 to \$6; carrot, \$1.25; cucumber, \$2; celery, \$4; leek, \$2.50; lettuce, \$4; melon, \$1.50 to \$2; onion, \$1.50 to \$2; parsley, \$1; parsnip, 75 cents; pumpkin, \$1.50; rad-

very interesting. I must, however, beg to differ with him where he says: "Fifty years ago there was little general appreciation, even among experienced gardeners, of the importance of the quality of the seed used (provided it only would grow) as a factor in determining the real profit in growing a crop." My observations were



quite to the contrary. I will cite just one instance. My father and my uncle were the first to grow Early Wakefield cabbage in this country, having received it from Europe about 65 or 70 years ago, and it remained in the hands of the five Jersey City market gardeners for a number of years. Among those who were eventually attracted to its good qualities was one John Lundergan, of Watervliet, near Albany, N. Y., whose custom it was for several years to come down to my father every fall and buy seeds of various kinds, especially Early Wakefield cabbage. Upon one occasion my father's crop thereof was almost a total failure, so when Mr. Lundergan came there was no seed of that variety for him. My father had explained to him that his entire crop was but a single pound, which he must retain for his own sowing for market and for growing seed in subsequent years. After trying all sorts of persuasive argument, Mr. Lundergan drew from his wallet a \$50 bill, which he offered my father for that one pound of seed, but of no avail. That was a matter of confidence, the cornerstone upon which the seed business more than almost any other must rest for a successful upbuilding.

#### GOVERNMENT FREE SEEDS.

I am writing hurriedly and somewhat disconnectedly. I am very busy, and my health none too good, so you will kindly pardon any imperfections. In regard to the government free seed distribution: If such must exist, why not confine it to seeds of American production, the best of their kind that can be procured, ignoring entirely all commonplace stocks, and importing, if at all, only new and rare things, not yet introduced into this country? But Uncle Sam will have to get around early to be ahead of the enterprising, hustling seedsmen.

Now, in conclusion, why is it that while almost every other business is protected in some manner, working along in perfect harmony, yet so many of our craft are at swords points, cutting and slashing? I am utterly and unalterably opposed to trusts and combinations organized for the purpose of greed and robbery, but as "self-preservation is the first law of nature," why should not we work together for our mutual benefit? If I am correctly informed, the Wholesale Seedsmen's League has an understanding among the members as to prices at which seeds shall be sold, not exorbitant, but giving legitimate profits. Why not our association formulate some plan whereby every branch of our business can be honestly protected? Ridiculously low prices are not an incentive to gardeners and farmers to buy large quantities—each one knows for himself just how much seed he must have to produce a certain number of plants or to seed a given acreage, and whether the seeds costs \$1 or \$10 per pound he buys the necessary quantity—entirely unlike living commodities, for instance, meats. If beef sells for 10 cents per pound the laborer will buy more beef for his family than he will at 20 cents per pound. The same argument applies in the purchase of wearing apparel and other necessities of life.

I have given you an idea of prices prevailing half a century and more ago. You know what they are in these days. Of course, Europe with its cheap labor, and California, with its even climate and many other superior advantages, are important factors in making prices with which other sections have to compete; still, I am of the opinion that it is up to our associ-

ation to take action whereby all may live and let live. At the age of 74, I can hardly expect to attend many more conventions. My relations with my fellow seedsmen, as a whole, have been pleasant. I thank you for your patience in listening to such a dry and seedy subject. If I never again meet with you in convention, I trust that we may one and all meet in the good seedman's paradise. I shall endeavor to at least be entitled to a rear seat.

#### John Rindfleisch, Beloit, Wis.

The features of John Rindfleisch, Beloit, Wis., are well delineated in the picture herewith, taken from a local paper. Besides the irrigation project he has in hand, opinions are divided as to what this well known florist is doing to the rose bush with the magic wand-like arrangement he



John Rindfleisch, Beloit, Wis.

is manipulating. Mr. Rindfleisch intends to build an entirely new greenhouse plant of about 10,000 feet this season, the old houses being used for the culture of bedding and vegetable plants. Last year was an exceptionally good one and he could not get nearly enough good stock to fill his orders around the recent holidays. He has a word or two to say respecting the pickling process and shipping of stale stock to out-of-town points and he is going to grow just as much stock at home as possible. Plants, he says, are largely taking the place of cut flowers around the holidays and he is pushing this end of the trade which he likes better than sending out stale stock and having his customers come back with complaints that their flowers did not last during dinner. When will growers wake up to the fact that these practices are killing the business and wasting opportunities?

#### To Be Done Now.

##### IN THE GREENHOUSES.

After July 1 there is little use in keeping any roses or carnations on the benches that have to be thrown out this year. The sooner now the roses are planted the better.

Early flowering chrysanthemums will soon be showing bud and if they have obtained a good hold of the soil on the benches they can be fed a little.

Cool nights should be chosen for fumigating or sulphuring the pipes. The temperature should be got as low as 60° if possible.

Mme. Chatenay, Mrs. Jardine and Richmond roses are better for a light

shade now, especially in small houses where the foliage is near the glass.

Pick over the beds of Asparagus Sprengeri occasionally and do not allow the short stubby shoots left from careless cutting to remain. This plant needs abundant moisture now and regular feeding with liquid manure.

Dry off the roses a little that have to be carried over another season and prune after about two weeks' rest.

Thrips will not be nearly as troublesome in the rose and carnation houses if the old flowers and decayed foliage are kept constantly removed.

Continue to propagate rubbers by mossaing the stems after ringing and keep the moss constantly moist. Pot them singly as soon as roots show through the moss.

Prepare the benches for carnation planting, first carrying out any necessary repairs.

Amaryllis should now be kept on the dry side but not absolutely dried off as it sometimes practiced.

Pot the earliest freesias as soon as they come in and place the pots containing them in a cool shed or outside in the shade.

Keep the hydrangeas well watered in order to finish up good strong flower buds that will produce fine heads in spring.

#### OUTDOORS.

Weed killers are best applied after rain or before the walks dry up too much, but a hot day or two following their application makes them more effectual.

Roses of all kinds delight in ample feeding at this time, but it is useless applying liquid manure when the soil is hot and dry.

Allow a few stem thickeners on tree stems but do not let them get too strong. Look out for the stock shoots on grafted shrubs.

Look over seedling stock of herbaceous plants and mark any that show good points for propagating from.

Sweet peas cannot thrive on a dry soil. The rows should be well watered and mulched with strawy manure in hot weather.

Thin the shoots on the dahlias. A crowded condition of the plants leads to small, weak flowers. The root moisture also has to be kept going.

If stock plants of geraniums are short it pays to hoe frequently between them and keep them well watered in order to produce a quick active growth.

Keep after the side shoots on the violets and keep the roots as cool and moist as possible. Red spider always attacks plants in a hot dry position and this means the end of good growth.

Go over the carnations regularly every week and keep the shoots pinched in order to prevent their making useless wood or flowers.

Spray the callas once in a while as long as they are carrying any foliage but let them dry right out as the leaves fall.

Prick out young seedling herbaceous stock and see that the soil is kept well cultivated and free from weeds.

Lilium candidum badly affected with fungus should be lifted and the bulbs given a good drying in the sun.

SUNBURY, PA.—C. E. Rossiter suffered severely in the recent hailstorm, his greenhouses having suffered to the extent of over \$1,000. Mr. Rossiter carried no hail insurance.



# THE AMERICAN FLORIST

1885 TWENTY-FIFTH YEAR 1910

Subscription, United States and Mexico \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

Eastern Representatives:

A. F. FAULKNER, 1133 Broadway, New York.

ROBT. KIFT, 1725 Chestnut St., Philadelphia, Pa.

**THE AMERICAN FLORIST,**  
324 Dearborn St., CHICAGO

**THIS ISSUE 52 PAGES WITH COVER**

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THE date of the Second National Flower Show, to be held in Mechanic's Building, Boston, Mass., is March 18-25, 1911.

ALL indications point to a banner convention at Rochester. Get ready now; the date is August 16-19. Have you reserved exhibition space?

IN the advertisement of the Pulverized Manure Co., 35 Union Stock Yards, Chicago, in a recent issue, the price of the bone meal should have been \$15.50 per 1,000 pounds, not \$15 as there printed.

LOUIS VAN HOUTTE.—The centenary of the birth of Louis Van Houtte, the great Belgian horticulturist, was celebrated with much ceremony at Gendbrugge, June 26.

ACCORDING to the Journal of Horticulture, the long-famed Trentham gardens of the Duke of Sutherland in Staffordshire, Eng., are to be opened as a summer resort, and one of the large conservatories fitted up as a tea room.

## Society of American Florists.

DEPARTMENT OF REGISTRATION.

As no objections have been filed, public notice is hereby given that the registration of the rose, Red Killarney, by A. N. Pierson, Inc., of Cromwell, Conn., becomes complete.

H. B. DORNER, Sec'y.

June 23, 1910.

## Peter Barr Memorial Fund.

Many daffodil lovers and others among the host of friends of the late Peter Barr of London, Eng., justly called the "Daffodil King," will be glad to hear that a movement is on foot in England to commemorate the life and work of this most "lovable of flower lovers." The members of the Royal Horticultural Society's narcissus and floral committees have formed themselves into a general committee to consider the matter, the suggestions meeting with most favor being the institution of a Barr memorial medal to be awarded annually in connection with work among daffodils and the provision of a fund for the maintenance of an orphan through the medium of the Royal Gardeners' orphan fund, of which excellent institution Mr. Barr was one of the founders.

It is needless for us to dwell here on the valuable work of Mr. Barr among herbaceous plants in general and daffodils in particular during the course of his long, active and useful life. They are well known to all and we are confident that many on this side will be glad of the opportunity of subscribing to the memorial which will keep the name of Peter Barr green and also help those deserving and in need of it just as our departed friend would have wished. On our part we shall be glad to receive and acknowledge and also forward to the committee any donation our friends wish to make or they can send direct to the honorary secretary of the committee, Chas. H. Curtis, Adelaide Road, Brentford, Middlesex, Eng.

## Pipes for Greenhouse.

ED. AMERICAN FLORIST:

Would you please advise me through your paper what would be the best size pipe for heating two greenhouses 25x90 feet with hot water, one to be heated to 60°, the other to 50°, and how many 2-inch pipes would answer with two 3-inch flows overhead?

ENGLISH GARDENER.

Provided there is no glass in the sides of the houses and the outside temperature does not drop below zero, the houses can be heated to the temperatures mentioned by the use of 14 2-inch returns for 60° and 10 re-

turns for 50°, in addition to two 3-inch flows in each house. On some accounts it will be better to use three 2½-inch flows in each of the houses, with the same number of returns as suggested above.

L. R. T.

## Sweet Pea Diseases.

The National Sweet Pea Society of England has started an investigation of sweet pea diseases, submitting the following queries to members:

1—What is the nature of soil in which the peas are growing?

2—What kind of manures have been employed, and when were they applied?

3—Were the seeds ripened in this country or abroad?

4—Were the plants germinated indoors or in the open garden, and when were they planted?

5—Are few or many plants attacked by the disease?

6—At what stage of the plant's growth did the disease first make its appearance?

7—Is the disease general or is it confined to certain varieties? If it is so restricted, enumerate the sorts which are attacked.

8—Describe any preventive or remedial methods which have been employed, and the effects obtained from their use.

9—Have sweet peas or any other leguminous crop been cultivated in the same soil in recent years?

## Florists' Club Outings.

St. Louis, Mo., at Ramona Park, July 21.

Davenport, Ia., at a grove in Bettendorf, Ia., July 17.

## Meetings Next Week

Albany, N. Y., July 7, 8 p. m.—Albany Florists' Club, W. C. King's, 24 and 26 Steuben street.

Buffalo, N. Y., July 5, 8 p. m.—Buffalo Florists' Club, 385-87 Ellicott street.

Butte, Mont., July 8.—Montana Florists' Club, Columbia Gardens.

Chicago, July 7, 8 p. m.—Chicago Florists' Club, Union Restaurant, 111 Randolph street.

Cincinnati, O., July 9, 8 p. m.—Cincinnati Florists' Society, Jabez Elliott Flower Market.

Dayton, O., July 4, 8 p. m.—Dayton Florists' Club, 37 E. Fifth street.

Detroit, Mich., July 4, 8 p. m.—Detroit Florists' Club, Cowie building, 42-44 Gratiot avenue.

Grand Rapids, Mich., July 4.—Grand Rapids Florists' and Gardeners' Club, office of member.

Hartford, Conn., July 8, 8 p. m.—Connecticut Horticultural Society, county building.

Indianapolis, Ind., July 5, 3:30 p. m.—State Florists' Association of Indiana, state house.

Louisville, Ky., July 5, 8 p. m.—Kentucky Society of Florists, Third and Broadway.

Milwaukee, Wis., July 7, 8 p. m.—Milwaukee Florists' Club, Quiet House, Broadway and Mason street.

Montreal, Que., July 4, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Guardians' building, 211 Sherbrook street, west.

New Orleans, La., July 6, 8 p. m.—German Gardeners' Club, 624 Common street.

Newport, R. I., July 6.—Newport Horticultural Society.

Philadelphia, Pa., July 5, 8 p. m.—Florists' Club of Philadelphia, Horticultural Hall, Broad street above Spruce.

Pittsburg, Pa., July 5, 8 p. m.—Florists' and Gardeners' Club of Pittsburg, Fort Pitt hotel.

Salt Lake City, Utah, July 5.—Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South street.

Seattle, Wash., July 5.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

St. Paul, Minn., July 5, 8 p. m.—Minnesota State Florists' Association, 510 Snelling avenue, north.

Utica, N. Y.—July 7, 8 p. m.—Utica Florists' Club, Genesee Hall.

Washington, D. C., July 5, 8 p. m.—Florists' Club of Washington, 1214 F street N. W.



## Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

**Situation Wanted**—By an all-round practical florist on retail place where general stock is grown, 20 years' experience; reference; address E. W., 1025 N. 22nd St., St. Joseph, Mo.

**Situation Wanted**—By a first class grower of carnations and roses; all-around greenhouse man of good character and ability to grow good stock. Address Key 138, care American Florist.

**Situation Wanted**—By florist, German; good in general leading stock; an all-around man, sober and industrious; seeks position around Pittsburg or New Jersey. Address Key 141, care American Florist.

**Situation Wanted**—By sober young man, experienced growing general line of cut flowers, capable of taking charge of section or commercial place; Northwest preferred; state wages. Address Key 146, care American Florist.

**Situation Wanted**—To take charge of the growing of cut flowers and plants on an up-to-date place near Portland, Ore., by July 15; expect fair wages; have had 15 years' experience in this country in most any line of the trade inside and out of doors; capable of handling help; middle-aged single man; sober and honest. Address Key 140, care American Florist.

**Situation Wanted**—As working foreman; German, single; 18 years' experience in growing roses, carnations, 'mums, ferns, palms, bulbs, and general stock; also good designer and decorator; sober, honest and good worker; have the best of references; can take full charge of any place; state wages in first letter. Address F. H. WILHELM, 1539 W. 12th St., Chicago, Ill.

**Situation Wanted**—On private place near large town or small city by an experienced gardener, capable of laying out grounds and doing all work pertaining to planting growing and care of gardens; unexcelled references; parties looking for a reliable, steady man of good character and habits who knows his business, address Key 144, care American Florist.

**Help Wanted**—A rose grower to work in rose sections; state wages without board. COLE BROS., Peoria, Ill.

**Help Wanted**—Three experienced potters; give references. VAUGHAN'S GREENHOUSES, Western Springs, Ill.

**Help Wanted**—For greenhouse work; three or four good potters. Apply to BASSETT & WASHBURN, Hinsdale, Ill.

**Help Wanted**—Greenhouse engineer for steam fitting and light boiler repairs; wages, \$14 per week; steady employment; married man preferred. Key 129, care American Florist.

**Help Wanted**—Two nurserymen who are honest and industrious; wages \$2.50 per day; steady employment and advancement if satisfactory. DEVILS LAKE NURSERY, Devils Lake, N. Dak.

**Help Wanted**—Young man for general greenhouse work; must be a good willing worker; one that can make floral designs preferred; state wages expected. WILLIAM BUTLER, Brunswick, Maine.

**For Sale**—Furman boiler, size A 83; capacity, 8,000 square feet; used one winter; good as new; am going to enlarge plant. CARL F. BREHMER, Chillicothe, Ohio.

**For Sale**—Good greenhouse in one of the most desirable towns, in excellent location; three railroads, making good shipping center; a snap. Apply to WM. BALLARD Perry, Iowa.

**For Sale**—80-acre farm, 17 miles from Chicago, five blocks from station sidewalk out to farm, switch track, good soil. Ideal location for greenhouses. Address FRANCIS A. BECKER, Des Plaines, Ill.

**For Sale**—We are changing our heating system from hot water to steam, and offer for sale 3,500 feet of 4-in. cast iron pipe, taken apart mostly in 20-ft. lengths, in good condition, at 7c per foot; KRING BROS., Fairbury, Ill.

**For Sale**—Two second hand hot water boilers in a first-class condition: one for 6,000 and one for 6,500 lineal feet of 4 inch pipe.

SUPERIOR MACHINE & BOILER WORKS  
840-850 W. Superior St., Chicago.

**For Sale**—2500 sq. ft. of glass in good Colorado town of 5000; have trade from five surrounding towns; 100x568 ft. of ground, good house, barn and a lot of small fruit; will sell cheap for cash; must leave on account of business in another state. Key 139, care American Florist.

**Wanted to Rent**—With privilege of buying, retail greenhouse establishment, stock, good condition; state rent, full particulars. Address Box 97, Jersey City, N. J.

**For Sale or Rent**—40,000 square feet of glass, in good location; needs partial rebuilding; rent accordingly, or will sell at reasonable price. Key 460, care American Florist.

## WANTED

Rose grower for Killarney section; good wages to right man.

J. M. GASSER CO., Rocky River, O.

## WANTED

Greenhouse glaziers at once; 75,000 ft. of glass to put in.

J. M. GASSER CO., Rocky River, O.

## WANTED.

Seedsmen capable of earning \$1000 per year. State fully your experience in seed business. Address

Key 494, care American Florist.

## WANTED

Rose growers; men capable and experienced in growing American Beauties in sections; good wages and desirable positions.

HELLER BROS., New Castle, Ind.

## Store Man Wanted.

An expert decorator and manager for leading cut flower store. State experience and salary in first letter. Address

Ohio, care American Florist.

## WANTED

Young man with thorough ornamental nursery stock training. Splendid opening for right party. Must furnish the best of recommendation. Address

Elm City Nursery Co., New Haven, Conn.

## WANTED

A competent grower with brains, energy and some capital (I to furnish balance) to engage with me in flower and plant business. Prosperous, growing town upwards 20,000 and several good near-by towns. No competition in 100 miles. Climate unexcelled.

THOMAS SLOAN, Greenville, S. C.

## NURSERY FOR SALE.

We desire to sell our nursery and devote our time to our orchard property; will sell the nursery with or without land it is growing on; main nursery at Fullerton, branches at Riverside and Corcoran, Cal.; will sell collectively or singly or will divide the nursery and sell either the fruit tree or ornamental department. For information write Orange County Nursery & Land Co., Fullerton, Orange County, Cal.

## CARNATION GROWERS

Wanted to work as section men in houses 300x 40 on large modern greenhouse establishment located in the country near Boston; also one man who understands sweet peas and mums; men must be married, experienced, steady, temperate and good willing workers; none other need apply; state age, nationality, experience and give references when writing; wages \$50.00 per month the year round with a 5 room house on the establishment. Key 145, care American Florist.

## FOR SALE.

5 Greenhouses. 4 Acres of Land.

Located in the city of Chicago. All stocked and complete, with equipment, only \$10,000. Good five-room residence; windmill and good well. Terms and easy payments. For full particulars apply

BESSEY & KIRKLEY,  
820 First National Bank Bldg., CHICAGO.

# Trade Directory for 1910

**T**HE AMERICAN FLORIST COMPANY'S Trade Directory for 1910, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 570 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

## American Florist Company

324 Dearborn Street, CHICAGO, ILL., U. S. A.

Contains 570 Pages **NOW READY.** Price \$3.00 Postpaid



# WIETOR BROS.

51 Wabash Ave., CHICAGO

Wholesale Growers of Cut Flowers

## CURRENT PRICE LIST

| BEAUTIES               |              | Per doz. | JARDINE, (finest pink rose) select..... |                | Per 100 | KAISERIN.....                    |                  | Per 100 |
|------------------------|--------------|----------|-----------------------------------------|----------------|---------|----------------------------------|------------------|---------|
| Long stems.....        | \$3 00       |          | JARDINE, medium.....                    | \$3 00 to 4 00 |         | Special.....                     | \$3 00 to \$4 00 |         |
| 30-inch stems.....     | 2 50         |          | BRIDE, select.....                      | 6 00           |         | WHITE KILLARNEY....              | 3 00 to 8 00     |         |
| 24-inch stems.....     | 2 00         |          | "    medium.....                        | 3 00 to 4 00   |         | CARNATIONS, fancy...             | 2 00             |         |
| 20-inch stems.....     | 1 50         |          | MAID, select.....                       | 6 00           |         | Good.....                        | 1 50             |         |
| 15-inch stems.....     | 1 25         |          | "    medium.....                        | 3 00 to 4 00   |         | PEONIES, per doz.....            | 75c to \$1.00    |         |
| 12-inch stems.....     | 1 00         |          | UNCLE JOHN, select.....                 | 6 00           |         | EASTER LILIES.....               | 12 50            |         |
| Short stems.....       | 75           |          | "    medium.....                        | 3 00 to 4 00   |         | VALLEY.....                      | 3 00 to 4 00     |         |
| KILLARNEY, select..... | \$6 00       | Per 100  | RICHMOND, select.....                   | 6 00 to 8 00   |         | SWEET PEAS.....                  | 1 00 to 1 50     |         |
| "    medium....        | 3 00 to 4 00 |          | "    medium....                         | 3 00 to 4 00   |         | All Green Goods at market rates. |                  |         |

Subject to change without notice.

**ROSES, our selection.....\$3.00 per 100**

The above prices are for select stock. Extra select or inferior stock billed accordingly.  
All other stock at lowest market rates.

## BUY OF THE GROWER

# Reinberg's Roses

It doesn't matter where you go. **THERE ARE NO BETTER ROSES** at this time of year than ours. Our Beauties from young stock are simply grand flowers, with fine healthy foliage of good color; while our Killarney, Richmond and Uncle John are the finest coming to this market. Our facilities for Packing and Icing are of the best and insure safe arrival. **A TRIAL ORDER WILL CONVINCE YOU.**

## CURRENT PRICE LIST

| American Beauties,     |                          | Per doz. | Mrs. Marshall Field, select..... |                | Per 100 | Carnations.....      |                            | Per 100 |
|------------------------|--------------------------|----------|----------------------------------|----------------|---------|----------------------|----------------------------|---------|
| Long stems.....        | \$3 00                   |          | medium.....                      | \$4 00 to 5 00 |         | Valley.....          | \$1 00 to \$2 00           |         |
| 30-inch stems.....     | 2 50                     |          | Bridesmaid.....                  | 4 00 to 5 00   |         | Peonies, good stock, |                            |         |
| 24-inch stems.....     | 2 00                     |          | Bride.....                       | 4 00 to 5 00   |         | assorted.....        | per doz., \$0 35 to \$0 75 |         |
| 20-inch stems.....     | 1 50                     |          | My Maryland, select.....         | 6 00           |         | Easter Lilies.....   | per doz., 1 50             |         |
| 15-inch stems.....     | 1 25                     |          | medium.....                      | 4 00 to 5 00   |         | Callas.....          | per doz., 1 50             |         |
| 12-inch stems.....     | 1 00                     |          | Chatenay.....                    | 5 00           |         | Asparagus Plumosus,  |                            |         |
| Short stems.....       | \$4 00 to \$6 00 per 100 |          | Ivory.....                       | 5 00           |         | extra quality..      | per bunch, 50              |         |
| Richmond, select.....  | \$6 00                   | Per 100  | ROSES, our selection.....        |                | \$3 00  | Fancy Ferns.....     | per 1000, 2 00             |         |
| medium.....            | \$4 00 to 5 00           |          |                                  |                |         |                      |                            |         |
| Killarney, select..... | 6 00                     |          |                                  |                |         |                      |                            |         |
| medium.....            | 4 00 to 5 00             |          |                                  |                |         |                      |                            |         |

## Peter Reinberg, 35 Randolph St., CHICAGO.

### Chicago.

#### SUMMER CONDITIONS.

The excellent quality of the carnations and roses up to within the last couple of weeks has been remarkable for the season but as was expected, the recent heat has had a bad effect upon the plants and the quality of the flowers has suffered accordingly. Not that the stock is poor for the season—it is better than usual—but we miss the fine roses and stiff-stemmed carnations that have been coming in and there is very little now that can be called first class. American Beauty roses from old stock are decidedly off color and in many cases the foliage is poor but there are numbers of medium length flowers being cut from young stock that are fine in every way and, with specially grown summer Kaiserins, form the best offerings among roses. Killarney is getting poorer week by week, the white variety being better than the pink but both showing the effects of a long

season's work capped by the tropical heat of the past three weeks. Carnations are small, poor in color and keeping qualities and retailers are beginning to inquire about asters for made-up work. Peonies are in by the thousands but the demand for them is poor, especially for the cheaper grades. There has been an unusually good demand for valley for wedding bouquets and this has been met with fine stock. Shasta daisies are fine and sell fairly well. Orchids are about equal to the demand and small flowers generally are over plentiful. The sweet peas from outdoors are of fair quality. Probably the extremes of temperature have been too much for them and unless very carefully looked after, the vines have failed and the flowers are short in the stem. The indoor crop collapsed all of a sudden and many houses planted to the late varieties have not paid for the labor and seed. Local growers say their asters are drying up for want of rain outdoors and that, un-

less it comes soon, the flowers will be poor in substance and small. Gallardias are true hot weather flowers and are arriving in great shape. But they are hot looking too and the public is not enthusiastic over them. The Japanese irises are superb, fine, well-colored flowers with beautiful gradations of coloring rivaling the orchid and some at least of our retailers catch the true spirit of these lovely flowers, arranging them with water lilies and cool green ferns, making a refreshing and beautiful window. As to the out-of-town business, it is keeping up remarkably well. Each day sees big consignments leaving the principal wholesalers' stores and there seems no end to the procession. One southern retailer has a standing order for 500 valley daily at one of the growers and for several days last week this was increased to 1,000. The vacation spirit is in the air and we are reserving space for the stories incidental to the "gentle art" that will soon be floating around.



# Summer Flowers

We devote a whole range of glass exclusively to **Kaiserin, Maryland, Killarney, Rhea Reid and Summer Beauties**. These are the best roses for hot weather. We bring our flowers in from our own greenhouses two and three times per day, after they have been thoroughly chilled and hardened. With the best facilities, our own growth of stock and long experience we solicit your trade. All goods billed at market prices.

BUY DIRECT OF THE GROWERS

## Bassett & Washburn

Store and Office: 76 Wabash Ave.,

CHICAGO

Greenhouses: HINSDALE, ILL.

# Poehlmann's Flowers

are justly celebrated all over the United States for their fine quality. Our unexcelled facilities, both at the greenhouses and our wholesale store, enable us to handle the flowers, even in the **hottest weather** with promptitude and dispatch, insuring their arrival in first-class condition, no matter how far they are shipped. The stock we are now cutting is of exceptionally good quality and substance for the season.

Our **Beauties** of medium and shorter grades from young plants are splendid stock, fine foliage, good stems and flowers of fine color. **White Killarney** is in great shape and we have plenty for everybody. Also **Killarney, My Maryland, and Richmond**.

**Carnations** in all the leading varieties including fine **Enchantress, Winsor and Lawson**, are exceptionally good for this season of the year. **Home Grown Orchids**, fine fully developed flowers a specialty with us.

**Valley and Harris Lilies all the Year Round.**

**POELHMANN BROS. CO.** OFFICE AND SALESROOM: 33-35-37 RANDOLPH STREET. Chicago,  
LONG DISTANCE PHONE, RANDOLPH 35.

Everyone on the market heard with genuine regret of the death by accident of poor old George R. Wheelodon (Darby), who has been knocking about around the market for something like 30 years and was killed by a street car last Saturday night at Harrison street and Wabash avenue. A quiet, inoffensive old man he was often of assistance in busy times to many of the growers and commission men and in times of glut helped to clean up some of the cheaper grades of stock and got rid of it one way or another, none knew how but himself. He was very reticent about himself and his antecedents and very few really knew his name, "Old John" or "Darby" being those by which he was best known. He was a native of England and came to this country with two brothers 40 years ago. He was married and had two sons, one of whom was killed in a railroad wreck in Texas some years ago, the other living, it is said, in Buffalo, N. Y. As we go to press we are informed that the funeral will be held June 30, interment taking place at Mount Greenwood cemetery. The funeral train leaves the Polk street depot over the Grank Trunk at noon.



## ORCHIDS

A SPECIALTY.

Fancy stock for Weddings and all occasions. Also full line of all **Cut Flowers, Florists' Supplies, Greens, Wire Work, Etc.** Send for Quotations.

**CHAS. W. McKELLAR**

51 Wabash Avenue,  
**CHICAGO.**



# Peonies, Valley, Sweet Peas.

All other Seasonable stock at Chicago Market Prices.

## VAUGHAN & SPERRY

LONG DISTANCE PHONE  
CENTRAL 2571.

52-54 Wabash Ave., CHICAGO.

### NOTES.

Leopold Koropp, 4509 Evanston avenue, has been very busy this season. On June 15 he decorated the home of Miss Sterns, 4310 Hazel avenue. The wedding decorations were in pink; Killarney roses and peonies being used. The bride carried a shower bouquet of lily of the valley and white sweet peas. They also decorated the home of Billy Monroe, 143 Kensaw terrace, his niece being married and the ceremonies taking place at his home. The decorations were in pink, Killarney roses being used. Mr. Koropp also has the contract for decorating the roof garden at the La-Salle hotel the year around. John Farmer has charge of this work, including a lot of window boxes which will use up quite a large quantity of plants.

Creatore, the band leader at Sans Souci park, was surprised on Tuesday evening, June 20, by the members of his organization presenting him with a standing lyre of flowers, the event being his birthday. The piece was very pretty and was made up by W. H. Hilton, 1320 E. Sixty-third street. American Beauty and Jacqueminot roses, pink carnations and gladioli were used to make up the design. A large pink ribbon with the name "Creatore" was stretched across the center of the lyre.

Summer conditions seem to be absent from Poehlmann Bros. Co.'s store for everyone is kept on the jump handling the large consignments that arrive from the greenhouses several times daily. The stock of all kinds is in fine order for the season, perhaps the brightest of all being some fine Beauties now being cut from young stock, though there are also remarkably good flowers of Killarney and White Killarney.

Fred Quasthoff, 812 E. Forty-sixth street, recently received 500 geraniums from Pennsylvania, the express on same being \$7.20. All the plants have been sold and he is looking around for more. Mr. Quasthoff put in 1,200 ferns and they are about all that he has in the greenhouses at the present time. Advantage will be taken of the summer season to put in more pipes on the north side of the greenhouses.

H. L. Keun, 6847 Wentworth avenue, reports business very good, he receiving his share of funeral work. Mr. Keun has had a large number of his designs photographed and these may be seen all over the store. He recently made a design for some people who took it to the Klondyke regions. Owing to the distance and time necessary to reach its destination it was arched with cycas leaves and wheat.

Beauties from young stock continue to arrive at Peter Reinberg's in remarkably good condition, the flowers

large, of fine color and substance and with excellent foliage. Stock is extremely plentiful here considering the season, and large quantities are handled, the out-of-town shipping trade, especially to southern points, keeping up very well.

Mrs. J. C. Bruckner of the Normal Florist, 537 W. Sixty-ninth street, has been very busy this season. Something out of the ordinary occurred one day last week when 17 wedding orders were received. Mr. Bruckner who has been sick for some time past, is feeling better now, most of his time being spent in the country.

At Wiotor Bros. the stock continues in good shape, considering the hot weather and business is reported

ably good one for business and that the great quantities of stock handled have cleaned up well. Fine peonies and sweet peas are shown this week and all classes of green goods.

W. L. Sullivan and S. Friedman of the Woodlawn Floral Shop, 863 E. Sixty-third street, are well pleased with the way business has been the past month, they having had their share of funeral work. Graduation work was also plentiful.

C. W. McKellar, his wife and a party of friends left the city in his automobile for Milwaukee, June 25. The party took in Delavan Lake and Lake Geneva, Wis., returning after a most enjoyable trip on Monday night.



GOLD MEDAL PRESENTED TO W. N. RUDD BY THE HORT. SOCIETY OF CHICAGO.

fine. Frank Paszkeit of this firm is spending part of his vacation at Milwaukee and is going on from there to Grand Rapids, Mich., returning July 5.

W. H. Hilton, 1320 E. Sixty-third street, has added a flower department to his ice cream parlor and confectionery store at 1004 E. Sixty-third street. Mr. Hilton's daughter has charge of the store at 1004 and things have been going along nicely at both places.

John Mangel continues to draw the crowds to his window with the young ducks and chickens. He has been showing also some remarkably fine Japanese irises this week. John is a plucky buyer and there are no more attractive windows in the city than his.

Pehrson & Marine, 1134 Bryn Mawr, have finished their planting. Business has been very good but they expect a quiet season for the next few months. Mr. Marine stated that they are too far north to derive much benefit from the graduation work.

Vaughan & Sperry report that the month just past has been a remark-

Jesselson & Weiner, 617 W. Sixty-third street, have added a flower department to their store. H. H. Conn is manager of the place, he having formerly been in the employ of several of the retailers in the city.

Lincoln Coles (son of W. W. Coles) and wife, of Kokomo, Ind., were recent visitors. Mr. Coles runs his own plant, his specialty being American Beauty roses, which he grows very successfully.

The rose stock continues in wonderfully good shape for the season at the J. A. Budlong store. Killarney, Richmond, Jardine and Beauties from young stock are among the best offerings.

Zech & Mann are moving large quantities of roses and carnations of excellent quality for the season. The out-of-town trade keeps up and there is quite a lot of city trade as well.

The Fleischman Floral Co. reports a remarkable month's business during June, wedding, funeral and decoration work having all been very plentiful.

Head Gardener Schiele at Lincoln park, is well pleased with the way



# Cut Flowers \* E. H. HUNT

FOR ALL OCCASIONS.  
FLORISTS' SUPPLIES TOO.

—SEND FOR PRICE LIST.—  
76 Wabash Avenue, CHICAGO.

## KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., Chicago  
L. D. Phone, Central 466.

We will have anything in the line of  
**CUT FLOWERS and GREENS**  
that you may want if anybody has it at  
Chicago market prices on day of shipment.

## A. L. Randall Co.

19-21 Randolph St.,  
CHICAGO.

L. D. Phone Central 1496. Private Exchange  
All Departments. If you do not receive our  
price list regularly send for it.

## J. B. DEAMUD CO.

Wholesale Cut Flowers

51 Wabash Ave., CHICAGO  
Long Distance Phone Central 3155.

things have been going. Cattleya gigas is doing well although not as many are in bloom at present as a few weeks ago. Mr. Schiele is more than pleased with the sobralias, these being extra fine. The conservatory is in very good condition. Two agaves (century plants) one on each side of the entrance of the conservatory, will be in bloom in a few weeks. One of the spikes is already 20 feet high. The tender water lilies are well advanced for this time of the year, being in full bloom, there being 12 different varieties in the pond. The hardy kinds are also in very good condition, these being in a pond by themselves. Everything on the outside is in first class condition, the geraniums and sweet williams showing up remarkably well. The white and yellow primroses are also doing their best. The men are busy at present potting chrysanthemums. Mr. Schiele now has charge of 16 men and it will be some time before any of them can take a vacation as they are very busy.

At Jackson park the rose garden is now at its best but if the present heat keeps up the flowers will probably not last long. There is an interesting display of herbaceous plants, many of which are in flower, around the garden. Several thalictrums are especially good.

August Lange's new electric delivery wagon is now making the rounds of his customers and giving great satisfaction.

Kyle & Foerster report business as good. We noted some extra fine Shasta daisies and galliardias here.

The E. C. Amling Co. has been formed to do a general greenhouse and

## J. A. BUDLONG

37-39 Randolph Street, CHICAGO.  
Roses and Carnations  
A Specialty..... WHOLESALE CUT FLOWERS  
GROWER of

## E. C. AMLING

THE LARGEST,  
BEST EQUIPPED,  
MOST CENTRALLY LOCATED  
WHOLESALE  
CUT FLOWER HOUSE  
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,  
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

## Wholesale Flower Markets

| CHICAGO, June 22.                |                 |  |
|----------------------------------|-----------------|--|
| Roses, Beauty, extra select ...  | 3 00            |  |
| " " specials.....                | 2 50            |  |
| " " 36 in .....                  | 2 00            |  |
| " " 30 in .....                  | 1 50            |  |
| " " 18 in .....                  | 1 25            |  |
| " " 15 in .....                  | 1 00            |  |
| " " Short .....                  | 50@ 75          |  |
| " " Bride, Bridesmaid, select..  | 3 00@ 6 00      |  |
| " " medium .....                 | 2 00@ 2 50      |  |
| " " Killarney, select .....      | 3 00@ 6 00      |  |
| " " medium and short.....        | 2 00@ 2 50      |  |
| " " Kaiserin.....                | 3 00@ 8 00      |  |
| " " Mrs. Jardine .....           | 3 00@ 6 00      |  |
| " " Chatenay.....                | 2 00@ 6 00      |  |
| " " My Maryland.....             | 2 00@ 6 00      |  |
| " " Perle .....                  | 2 00@ 6 00      |  |
| " " Richmond .....               | 3 00@ 6 00      |  |
| " " Uncle John .....             | 3 00@ 6 00      |  |
| " " White Killarney, select..... | 4 00@ 6 00      |  |
| " " medium .....                 | 2 00@ 3 00      |  |
| Carnations, select fancy .....   | 1 50@ 2 00      |  |
| Cattleyas .....                  | 4 00@ 6 00      |  |
| Lilium Harrisii .....            | 2 00 8 00@10 00 |  |
| Lily of the Valley .....         | 2 00@ 4 00      |  |
| Mexican Ivy .....                | 75@ 1 00        |  |
| Peonies .....                    | 25@ 50          |  |
| Sweet Peas .....                 | 50@ 1 00        |  |
| Adiantum .....                   | 75@ 1 50        |  |
| Asparagus Plum, strings, each.   | 60@ 75          |  |
| " " sprays.....                  | 3 00@ 4 00      |  |
| " " Sprengeri .....              | 3 00@ 4 00      |  |
| Ferns.....                       | 2 00            |  |
| Smilax .....                     | 1 50@ 2 00      |  |

flower business with a capital of \$50,000. E. C. Amling, P. M. Miller and M. Wattman are incorporators.

Fred Strail, of Strail & Hahn, is going to Twin Lakes, Mich., for a few days to join Mrs. Strail, who has been there for some time and intends staying until October.

J. Wies, who has been packer for some time for Peter Reinberg, is now with the J. A. Budlong Co.

Hoerber Bros.' cut of roses and carnations continue good and clean up pretty well daily.

W. H. Kidwell, wife and family have left for Eagle Lake, Mich., to spend the summer.

(OTHER CHICAGO NOTES ON PAGE 1121.)

W. P. KYLE

JOSEPH FOERSTER

## Kyle & Foerster,

—Consignors Solicited—

Wholesale Florists,

Long Distance Phone Randolph 3619  
51 Wabash Ave., CHICAGO.

## WIETOR BROS.

Wholesale Cut Flowers  
Growers of

All telegraph and telephone orders given  
prompt attention.

51 Wabash Ave., CHICAGO.  
Mention the American Florist when writing



Mention the American Florist when writing

## HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.  
Storr 51 Wabash Avenue CHICAGO  
Mention the American Florist when writing

## Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO  
Telephone, Central 3284.

Mention the American Florist when writing

## Quality Counts..

Let us have your next order for  
**Roses and Carnations**  
and other Seasonable Flowers.

**JOHN KRUCHTEN,**  
51 Wabash Ave., CHICAGO.  
Mention the American Florist when writing



# American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

## Rice Brothers

Wholesale Florists and Supplies,

115 N. 6th St., MINNEAPOLIS, MINN.

Cut Flowers received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities

Mention the American Florist when writing

## THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

## Weiland & Olinger

128 E. Third S., CINCINNATI, O.

Wholesale Growers and Shippers of Cut Flowers.

## William Murphy,

Wholesale Commission

FLORIST

11 Main Street, CINCINNATI, OHIO.

Lexington, Ky.

The extremely hot weather is now upon us and as usual business is practically at a standstill. There will not be much doing from now on until the chrysanthemum season comes around again. Some funeral orders come in every now and then which keeps the florists from having day dreams. All the society folks are departing and this also helps to make business slow. The weather man says this is the hottest June we have had in this section for many years. Bedding plants are not up to the standard this year owing to so much rain and cold weather early in the spring, but if the present hot weather keeps up everything will be all right again in a few weeks. In roses, Killarney, My Maryland and Kaiserin are holding their own and they retail for \$1 to \$2 per dozen. Carnations are good for the extremely hot weather and they sell for 50 cents per dozen at present. Sweet peas are becoming more plentiful and they bring 75 cents per 100 blooms. Gladioli are good and sell for \$1 to \$1.50 per dozen spikes.

### NOTES.

J. Ferdinand Keller, manager of the J. A. Keller Estate on East Sixth street, is pushing all the planting of roses, chrysanthemums, carnations, etc., through. This firm has an exceptionally fine lot of young cyclamens and primulas coming on for Christmas. The carnation and chrysanthemum stock never looked better. Max Rudolph of Cincinnati, O., and Louis D. Singer of Frankfort were

# HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

## Wholesale Flower Markets

|                          | BOSTON, June 29. | Per 100 |
|--------------------------|------------------|---------|
| Roses, Beauty, best      | 20 00            | 25 00   |
| " " medium               | 15 00            | 20 00   |
| " " culls                | 5 00             | 10 00   |
| " " Bride, Bridesmaid    | 1 00             | 4 00    |
| " " Extra                | 5 00             | 8 00    |
| " Killarney and Richmond | 2 00             | 8 00    |
| " My Maryland            | 1 00             | 8 00    |
| " Carnot                 | 2 00             | 12 00   |
| Carnations, select       | 1 00             | 2 00    |
| " fancy                  | 2 00             | 3 00    |
| Callas                   | 8 00             | 10 00   |
| Cattleyas                | 35 00            | 50 00   |
| Lilium Longiflorum       | 8 00             | 12 00   |
| Lily of the Valley       | 2 00             | 4 00    |
| Smilax                   | 12 00            | 16 00   |

|                           | ST. LOUIS, June 29. |       |
|---------------------------|---------------------|-------|
| Roses, Beauty, long stems | 15 00               | 20 00 |
| " " medium stems          | 8 00                | 10 00 |
| " " short stems           | 2 00                | 4 00  |
| " " Bride, Bridesmaid     | 2 00                | 5 00  |
| " Killarney               | 3 00                | 6 00  |
| " My Maryland             | 3 00                | 5 00  |
| " Richmond                | 3 00                | 6 00  |
| Carnations                | 1 00                | 1 50  |
| " fancy                   | 2 00                |       |
| Callas                    | 8 00                | 10 00 |
| Easter Lilies             | 6 00                | 1 00  |
| Sweet Peas                | 20                  | 1 50  |
| Adiantum                  |                     | 1 50  |
| Asparagus Sprengerii      | 2 00                | 3 00  |
| Smilax                    | 12 50               | 15 00 |

|                                | CINCINNATI, June 29. |       |
|--------------------------------|----------------------|-------|
| Roses, Beauty                  | 1 00                 | 4 00  |
| " " Bride, Bridesmaid          | 2 00                 | 6 00  |
| " " Golden Gate                | 2 00                 | 6 00  |
| " " Killarney                  | 2 00                 | 6 00  |
| " " Richmond                   | 2 00                 | 6 00  |
| Carnations                     | 1 00                 | 3 00  |
| Callas                         |                      | 10 00 |
| Daisies                        |                      | 50    |
| Lilium Longiflorum             | 10 00                | 12 50 |
| Lily of the Valley             | 3 00                 | 4 00  |
| Sweet Peas                     |                      | 50    |
| Adiantum                       | 1 00                 | 1 50  |
| Asparagus Sprengerii, per bch. | 25                   |       |
| Smilax                         | 12 50                | 15 00 |
| Gladiolus                      | 3 00                 | 4 00  |

|                            | MILWAUKEE, June 29. |       |
|----------------------------|---------------------|-------|
| Roses, Beauty, per doz.    | 50                  | 3 00  |
| " " Bride Bridesmaid       |                     | 3 00  |
| " " Killarney              |                     | 3 00  |
| " " Richmond               |                     | 3 00  |
| Carnations                 | 1 00                | 3 00  |
| Lilium Giganteum, per doz. | 1 50                | 10 00 |
| Lily of the Valley         |                     | 4 00  |
| Magnolia                   |                     | 35    |
| Peonies                    | 2 00                | 5 00  |
| Snapdragon                 | 3 00                | 8 00  |
| Sweet Peas                 | 250                 | 75    |
| Adiantum                   |                     | 1 50  |
| Asparagus, per string      | 50                  | 60    |
| " Plumous, per bunch       | 35                  | 50    |
| " Sprengerii               |                     | 35    |
| Boxwood, per bunch         |                     | 25    |
| Kerns, Fancy, per 1000     | 1 50                | 20    |
| Galax                      |                     |       |
| Smilax, per doz.           | 1 50                |       |

visitors here last week and called on the boys at the J. A. Keller Estate on East Sixth street. Both men were well pleased with the way stock was looking.

John Christman of Paris, was a visitor here last week on his way to Louisville to spend his vacation. Mr. Christman says this spring was the best ever with him. Says he sold everything in the way of bedding plants.

# Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

## J.M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES

SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Mention the American Florist when writing

## H. G. BERNING,

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

Mention the American Florist when writing

## C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Mention the American Florist when writing

## WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Both L. D. Phones. Supplies and Everything in Season always on hand

Miss Fanny White of Anderson & White on Georgetown street, was in Cincinnati last week buying stock for weddings. They are heavy buyers on the Cincinnati market.

August Le Clere, the florist and landscape gardener at the Eastern Kentucky lunatic asylum on Fourth street, is a very busy man at present at that institution.

H. F. Hellenmeyer, nurseryman, Sandersville, has finished rebuilding his new warehouse, which was destroyed by fire some time ago.

J. Ferdinand Keller, Henry Ballard and Lucien Le Clere were in Cincinnati, O., last week on business and pleasure both.

Lucien Le Clere and James P. Keller were sick a few days last week but they are able to be out again.

L. L. C.



Carnations

Fancy stock,  
500 for \$7.50.

Lilies

\$1.50 per dozen.

Our selection of colors. We make a specialty of having good, fresh carnations at this time of the year. Try a shipment.

Large, well hardened flowers of superior quality, long stems, and we can furnish them all summer in quantities.

THE LEO NIESSEN CO.,

Business Hours: 7 a. m. to 6 p. m.  
Wholesale Florists, 1209 Arch Street,

Philadelphia, Pa.

Philadelphia.

A SMALLER DEMAND.

The demand has fallen off considerably, as nearly all the commencements and weddings are over, the commencements until next year and the weddings for the time being. A great burst of heat last week was very hard on the greenhouse stock, particularly carnations, which do not carry well now into the second day. Roses also show the effect of the blasts of heat and have to be cut very close. Beauties have been in good demand recently and have kept up well in quality. There has been a splendid lot of sweet peas, those of the Spencer type being very fine. Easter lilies are plentiful but do not sell as well as their quality, which is excellent, should insure. Valley is in good demand, but little work of quality going out without it. Peonies from cold storage are still in evidence and are found very useful for decorative work.

NOTES.

It appears as if there was always some one ready and anxious to knock the florist and his "high priced" flowers. This time it was the president of the board of education of the public schools. The girls' high school held its commencement last week and adopted the American Beauty rose as its class flower, each girl carrying a bunch of one dozen or more. During the exercises President Edmonds took occasion to say that he had been informed that the florists had formed a trust and had run the prices of the roses up to \$2 each. This he declared with earnestness was an outrage and should and would be looked into by the board. This is not the vaporings of a reporter, but in effect the words used by the gentleman. As a matter of fact, most of the roses were sold for \$3 per dozen and some for less, while a few were sent by friends which cost from \$4 to \$5.

The visit of the delegates to the seedsmen's convention at the invitation of W. Atlee Burpee to his seed farm and trial grounds at "Ford Hook," near Doylestown, was a great success; over 500 persons were present, being brought up from the city by a special train. Many words of approbation were heard on all sides at the wonderful order and system of the place. The host presented a fine appearance in his full white flannel suit and seemed to be everywhere directing and adding in every way possible to the pleasure of his guests. After an inspection of the extensive grounds a collation was served and the guests reluctantly took the special for the city, all agreeing that they had seen one of the best and most complete trial seed grounds in the country.

The Norwood branch of the Robert Craig Co. is now a very interest-

OUR SUMMER CUT OF

Beauties, Kaiserins, Killarneys

Is now on. This stock will please you.

McCALLUM CO.,

937 Liberty Ave. Pittsburgh

Wholesale Flower Markets

| PHILADELPHIA, June 29.      |             | Per 100 |
|-----------------------------|-------------|---------|
| Roses, Beauty, extra.....   | 20 00@25 00 |         |
| "    first .....            | 10 00@15 00 |         |
| "    Brides and Maids ..... | 4 00@ 6 00  |         |
| "    Tea .....              | 4 00@ 6 00  |         |
| "    extra .....            | 8 00@10 00  |         |
| Carnations.....             | 2 00@ 4 00  |         |
| Callas.....                 | 8 00@10 00  |         |
| Cattleyas.....              | 40 00@50 00 |         |
| Lilium Harrisii.....        | 8 00@10 00  |         |
| Lily of the Valley.....     | 4 00@ 5 00  |         |
| Mignonette.....             | 3 00@ 4 00  |         |
| Peonies.....                | 3 00@ 6 00  |         |
| Snapdragons.....            | 4 00@12 00  |         |
| Sweet Peas.....             | 50@ 1 00    |         |
| Adiantum.....               | 75@ 1 00    |         |
| Asparagus..... per bunch    | 50          |         |
| Smilax.....                 | 15 00@20 00 |         |

| PITTSBURG, June 29.             |             | Per 100 |
|---------------------------------|-------------|---------|
| Roses, Beauty, special. ....    | 12 00@15 00 |         |
| "    extra.....                 | 8 00@12 00  |         |
| "    No. 1.....                 | 4 00@ 6 00  |         |
| "    Bride, Bridesmaid.....     | 2 00@ 6 00  |         |
| "    Chatenay.....              | 2 00@ 6 00  |         |
| "    Killarney.....             | 2 00@ 6 00  |         |
| "    My Maryland.....           | 2 00@ 6 00  |         |
| "    Richmond.....              | 2 00@ 6 00  |         |
| Carnations.....                 | 1 00@ 2 00  |         |
| Callas.....                     | 6 00        |         |
| Cattleyas.....                  | 40 00@50 00 |         |
| Gardenias.....                  | 15 00@20 00 |         |
| Gladioli.....                   | 4 00@ 8 00  |         |
| Lilium Longiflorum.....         | 6 00@10 00  |         |
| Lily of the Valley.....         | 3 00@ 4 00  |         |
| Pansies.....                    | 50@ 1 00    |         |
| Peonies.....                    | 3 00@ 6 00  |         |
| Primroses.....                  | 50@ 75      |         |
| Sweet Peas.....                 | 25@ 50      |         |
| Adiantum.....                   | 1 50        |         |
| Asparagus Sprengerl. per bunch, | 50          |         |
| "    strings... per string,     | 50          |         |
| "    sprays... per bunch,       | 50          |         |
| Smilax.....                     | 15 00       |         |

ing place to visit; here are seen long benches or half houses given to one class of plants which were sent to this department to be finished. Crotons are a prominent feature, as are dracaenas. A block of Pandanus utilis, scarce at present, is seen in perfection. Pandanus Veitchii is another plant that is seen in quantity. Several varieties of the most popular ferns are done well. When the fall shipments begin there will be found a splendid stock of the above mentioned plants that it will be hard to equal.

Godfrey Aschmann is very proud of his large stock of araucarias. This was imported early this spring and the plants are fine for growing on, and Mr Aschmann says he is kept busy making shipments daily to the trade, who buy now and get the benefit of the summer's growth.

Joseph Heacock is installing two 100-h.p. boilers at his new house at Roelf that will give him all the heat he requires and a lot in reserve, which Mr. Heacock says he finds is best for peace of mind.

K.

Pittsburg Florists' Exchange,

CATTLEYAS

A SPECIALTY

Home grown Cattleyas a specialty. This stock is much superior to that shipped from other points, and we can furnish you absolutely fresh Orchids at any time at reasonable prices.

Gladioli, Peonies, Roses, Beauties, Carnations, Sweet Peas.

All Seasonable Flowers at the Right Price.

Green and Broze Galax 65c per 1000

15 Diamond Square, PITTSBURG, PA.

Mention the American Florist when writing

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

222 Oliver Ave., PITTSBURGH, PA.

The Opening at Waretown.

Those fortunate enough to receive an invitation to the "opening" of John Westcott's club house at Waretown on Friday and Saturday last were indeed fortunate, as it proved to be one of the best of those very pleasant annual events that are given by the commodore the last week in June. Those present this season included Robert and George Craig, George Anderson, J. W. Colflesh, John Burton, George C. Watson, John Westcott, Wm. Westcott, D. C. Donoghue, Dr. Lane, Charles Eimmerman, David Rust, John N. May of Summit, W. J., R. Farquhar and W. J. Stewart of Boston, James Dean of Long Island and H. B. Beatty, Pittsburg. Mr. Burton brought Messrs. Donoghue, Watson and George Craig in his handsome touring car, a most delightful ride of 80 miles in about three hours. Letters were read from those unable to be present, including a very interesting one from Edwin Lonsdale in far off Lompoc, Calif. The weather was all that could be desired, and while it was a trifle early for the fishing the party enjoyed to the full the sailing on the bay.

This beautiful sheet of water, called Barnegat Bay, is about 20 miles long by five miles in width. Mr. Westcott's cottage or club house is built not more than 100 feet from the water's edge and is certainly an ideal spot for a week-end visit for rest and recreation. The party from Philadelphia came down in a body on Friday morning, Messrs. May and Dean



arrived in the afternoon. On Saturday evening there was a jolly time in the club house parlor when Robert Craig, on behalf of the visitors, presented in his best style to Commodore Westcott a cellarette, a very substantial and ornamental piece of furniture made of quartered oak. This was acknowledged by Mr. Westcott in his wholesouled way, after which kind words of appreciation of what the host had done and was doing for their enjoyment were voiced by all the guests. These remarks were interspersed with songs and toasts and the company finally dispersed with the singing of "Auld Lang Syne."

The enjoyment of the party was heightened by the arrival of H. B. Beatty, of Pittsburg, who came on Sunday morning, and who in his generous way came laden with gifts, bringing books for the library and a silver and steel carving set for the table. The commodore on Sunday evening at another symposium said that he felt fairly overwhelmed at these demonstrations of his friends and gave the boys a heartfelt talk, taking as his text "Go Slow." It was a rare treat and one of the best efforts of the host as a speaker. Quite a few of the party left for home on Sunday and the balance on Monday, Messrs. Farquhar, Stewart and George Craig coming up with Mr. Burton in his car on Monday so that they should get a better view of the country. Long live John Westcott, the Waretown commodore!

K.

#### The Height of Affluence.

Hal Berri: "To be able to afford both children and an automobile."

L. F.: "Being situated so you don't have to get up till 10 o'clock Monday morning."

M. C.: "To possess shoe trees for all of one's shoes."

Subbubs: "To pass a green goods store (the kind the commuter ad-

mires) and not suffer agonies because you can't buy all those fascinating peony and rhubarb roots."

#### Her Dearest Pets.

"I have a heart-rending scene in my new drama."

"How now?"

"The heroine is in such reduced circumstances that she has to cook the canary."

"Sad, sad."

"But the worst is yet to come. She has to build the fire with the rubber plant."—Washington Herald.

#### Grasshoppers.

The name "grasshoppers" has been given to the railroad florists. There is some significance in the name, too, for these men just jump from one railroad lawn to another and keep them in good condition. They are especially busy at this time of the year in Pennsylvania in fixing up the station grounds and rights of way for the summer months. Each division has a certain number of men that look after the lawns and see that they get the proper attention.—Philadelphia Record.

# California Flower Market

AND

## Shipping Department

WITH

## All Kinds of Cut Flowers

31-33 Lick Place,

San Francisco,

Calif.

WHOLESALE



OPENING PARTY AT COMMODORE JOHN WESTCOTT'S CLUB HOUSE, WARETOWN, N. J.



# Young & Nugent,

Telephone 2065-2066 Madison Square.

42 West 28th Street,  
To out-of-town florists  
We are in the Heart of

**New York**

And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

# Trade Directory

—OF THE—

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PRICE \$3.00, POSTPAID.

American Florist Co., 324 Dearborn St., Chicago

# Traendly & Schenck,

WHOLESALE FLORISTS,

131 & 133 WEST 28th ST  
Phones: 798 and 799.

**NEW YORK.**

**Alexander J. Guttman,**  
**THE WHOLESALE FLORIST OF NEW YORK**  
**34 WEST 28th STREET,**  
**PHONES, 1664-1665 MADISON SQUARE**  
**ENOUGH SAID.**

# J. K. ALLEN,

**Commission Dealer in Cut Flowers,**  
**106 West 28th Street, Near 6th Ave. Elevated Station, NEW YORK**  
**Established 1887.**

Consignments of Cut Flowers handled to best advantage. Your business relations always appreciated.  
Prompt returns. Weekly payments to all shippers.

Telephone 167-4468 Madison Square.

Open at 6 a. m. every day



Give us a Trial We can Please you.

Roses, Carnations and all kinds o.  
Seasonable Flowers in Stock.

**WM. F. KASTING CO.** Wholesale Commission Florists.  
**BUFFALO, N. Y.**  
Florists' Supplies and Wire Designs.

Mention the American Florist when writing

# August Millang

WHOLESALE FLORIST

41 W. 28th St., NEW YORK

Mention the American Florist when writing

# N.Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.

Open for Cut Flower Sales at 6 o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

**V. S. DORVAL, Secretary.**

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—FLOWERS SHIPPED BY—

# P. J. SMITH,

Are the best product of the best growers for the New York market.

Adiantum Croweanum sold here exclusively.

49 West 28th St., NEW YORK

Telephone 1998 Madison Square.

HOLYOKE, MASS.—Mrs. Amelia Fraleigh reports business as "very good at all times, especially in bedding plants in spring. We have had plenty of rain here and everything looks promising for the coming season."

# Wholesale Flower Markets

NEW YORK, June 29.

|                                     |             |
|-------------------------------------|-------------|
| Roses, Beauty, special.....         | 15 00@20 00 |
| " " extra and fancy.....            | 6 00@8 00   |
| " " No. 1.....                      | 4 00@5 00   |
| " " No. 2.....                      | 1 00@3 00   |
| " " Bride, Bridesmaid, special..... | 3 00@4 00   |
| " " extra and fancy.....            | 2 00@3 00   |
| " " Killarney, special.....         | 4 00@5 00   |
| " " extra and fancy.....            | 2 00@3 00   |
| " " No. 1 and No. 2.....            | 75@1 00     |
| " " My Maryland.....                | 1 00@5 00   |
| " " Richmond.....                   | 50@6 00     |
| Carnations.....                     | 50@2 00     |
| Callas.....per doz.,                | 50@75       |
| Cattleyas.....                      | 25 00@40 00 |
| Gardenias.....per doz.,             | 75@2 00     |
| Gladiolus.....per doz.,             | 50@1 00     |
| Lilium Longiflorum.....             | 2 00@3 00   |
| Lily of the Valley.....             | 1 00@2 50   |
| Mignorette.....per doz.,            | 20@50       |
| Peonies.....per doz.,               | 50@75       |
| Sweet Peas.....per doz., bunches    | 50@75       |

BUFFALO, June 29.

|                                 |             |
|---------------------------------|-------------|
| Roses, Beauty, special.....     | 20 00@25 00 |
| " " fancy.....                  | 15 00@20 00 |
| " " extra.....                  | 10 00@15 00 |
| " " No. 1.....                  | 7 00@10 00  |
| " " No. 2.....                  | 2 00@4 00   |
| " " Bride, Maid, Killarney..... | 8 00@10 00  |
| Carnations.....                 | 1 50@2 50   |
| Callas.....                     | 6 00@8 00   |
| Daisies.....                    | 50@1 00     |
| Iris.....                       | 1 50@2 00   |
| Lilium Longiflorum.....         | 8 00@12 00  |
| Lily of the Valley.....         | 3 00@4 00   |
| Peonies.....                    | 3 00@5 00   |
| Sweet Peas.....                 | 50@1 00     |
| Adiantum Croweanum.....         | 1 25@1 50   |
| Asparagus Str.....              | 50@60       |
| Ferns.....per 1000.             | \$1 50      |
| Galax, green and bronze.....    | 1 50        |
| Smilax.....                     | 15 00       |

# ALFRED H. LANGJAHR

WHOLESALE FLORIST,

55 W. 28th Street, NEW YORK.

All flowers in season. Consignments of first-class stock solicited.

Phones 4626 and 4627 Madison Square.

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Telephone 3357 Mad. Sq. New York City

High Grade Orchids always on hand. We have room for good growers. Prompt and full returns.

**Always** mention The American Florist when you order stock. : : :

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WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

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Madison Square. **NEW YORK.**

Mention the American Florist when writing

# HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty. Roses, Violets, Carnations, Valley, Lilies, Etc.

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# Walter F. Sheridan

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Telephones: 3532 and 3533 Madison Sq.

131 & 133 West 28th St., NEW YORK.

Mention the American Florist when writing

# KESSLER BROS.

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WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere. Prompt and satisfactory. Consignments solicited.

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Successor to FORD BROS.

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Telephone 3870-3871 Madison Square



**George Cotsonas & Co.**Wholesale and Retail Dealers  
in all kinds of**Evergreens**Fancy and Dagger  
Ferns, Bronze and  
Green Galax, Holly,  
Leucothoe Sprays,  
Princess Pine Etc.We ship to all parts of United States and Canada.  
127 W. 28th St., bet. 6th & 7th Aves., New York  
Telephone 1202 Madison Square.

Perpetuated and Natural Sheet

**MOSESSES**New Crop Ferns, Fancy and Daggers  
NOW READY, Price \$1.25 per 1000.

E. A. BEAVEN, Evergreen, Ala.

We Issue to Members a

**CREDIT LIST**

With Quarterly Supplements. The list now contains between 7,000 and 8,000 names. Membership fee, \$10.00 including privilege of obtaining unlimited number of commercial ratings at cost. We also collect accounts at standard rates.

National Florists' Board of Trade, 56 Pine St., NEW YORK.

New York.

BUSINESS POOR.

The business of the past week was not encouraging, the hot weather of the middle of the week, adding to the gloom. The steamship bookings for Europe show that an exceptionally large number of people will go abroad this season, consequently that much trade is lost to the dealers of this city, for the summer. Graduating exercises have called for some stock, but in this the demand has fallen off in recent years. Concerning this feature, the trade of this city has now to contend against a lot of pestiferous "reformers," who seem to think that it is a sin to make a child happy. So far as we are concerned, the aforesaid people can pound the white slave traffic and the saloons to their heart's desire but when they attempt to interfere in the florist business, which brings pleasure and sunshine into many homes, we draw the line. We have here, a lot of self-estimated aristocrats who spend here about three months of the year in working up trouble. During the other nine months they are in Europe or other places remote from this city, which is supposed to be their home. Some of them, when they go away, pay their bills, others do not. It will thus be seen that the florists of this city have troubles of their own.

## NOTES.

The fourth annual outing of the New York and New Jersey Association of Plant Growers will be held at the Mountain View house, Lake Hopatcong, N. J., on July 7. The members and their friends will meet at the Delaware, Lackawanna and Western R. R. depot, in Hoboken, N. J., and there take the 8:15 a. m. train, to which the association's special cars will be attached. Lake Hopatcong is a beautiful resort and it is hoped that many well take this opportunity to visit it. The committee in charge has arranged many contests for prizes both for ladies and gentlemen. The amusements will consist of bowling, shooting, boating, dancing, bathing, tennis, billiards, etc. The price of tickets is \$4 for each person, which includes transportation, luncheon, dining and all other events. Herman C. Steinhoff, West Hoboken, N. J., Julius Roehrs, Jr., Rutherford, N. Y., and Herman Schoelzel, New Durham, N. J., compose the committee in charge.



FANCY.

**Henry M. Robinson & Co.**

Wholesale Commission Florists.

Cut Flowers of all kinds, Hardy Cut Evergreens and Florists' Supplies.

Dagger and Fancy Ferns, \$1 per 1000

Bronze and Green Galax .....\$1.00 per 1000; 8.50 per 10 000  
Leucothoe Sprays .....\$1.00 per 100; \$7.50 per 1000Southern Wild Smilax, Branch Laurel, Laurel Festooning,  
Green and Sphagnum Moss, Boxwood Sprays,A large stock constantly on hand. Can fill orders at a moment's notice, Telephone or telegraph.  
Telephones: 2617-2618 Main; Fort Hill 25290.  
15 Province Street and 9 Chapman Place, BOSTON, MASS.

DAGGER.

**FANCY FERNS, \$1.25 per 1000**

New Crop Galax, Bronze or Green.....\$1.25 per 1000; 10,000, \$7.50  
Sphagnum Moss, large bales .....\$1.25; 6 bales, \$7.00. Extra fine  
Leucothoe Sprays, Green and Bronze.....\$1.00 per 100; \$7.50 per 1000  
Boxwood..... per bunch, 35c; 50-pound case, \$8.50  
Log Moss, in barrels for hanging baskets.....\$2.00 per barrel

Florists in the Middle and Western States can save money  
by placing their orders with us. A trial order solicited.**MICHIGAN CUT FLOWER EXCHANGE, Inc.**

Wholesale Commission Florists and Florists' Supplies,

38-40 Broadway,

All phone connections.

DETROIT, MICH.

**New Crop Ferns**

FANCY and DAGGER ready May 1st.

Special price for large orders  
Price \$1.25 per 1000.CALDWELL THE WOODSMAN CO.,  
Evergreen, AlabamaGirls' Race, 7 to 9 years, 75 yards.—  
Eloise Schmutz, first; Gertrude  
Schaake, second.Girls' Race, 10 to 12 years, 90  
yards.—Barbara Miesem, first; Alice  
Walter, second.Young Ladies' Race, 13 to 15 years,  
100 yards.—Mary Einsmann, first;  
Ella Lenker, second.Young Ladies' Race, 16 to 19 years,  
100 yards.—Annie Birnie, first; Cath-  
erine Walter, second.Ladies' Race, 20 to 25 years, 100  
yards.—Agnes Birnie, first; Millie  
Weston, second.Race for Members' Wives and  
Daughters only, 100 yards.—Agnes  
Birnie, first; Annie Birnie, second.Exhibition Dancing.—Jean Birnie,  
first; Annie Birnie, second.Married Ladies' Race, 75 yards.—  
Mrs. Handel, first; Mrs. Salkind, second.Ladies' Race, over 40 years, 25  
yards.—Mrs. Iler, first; Mrs. Jung-  
haus, second.Ladies' Walking Match, 150 yards.  
—Alice Donnelly, first.  
Alice Donnelly, first.Ladies' Race, weight 175 pounds or  
over, 35 yards.—Mrs. Schimmel, first;  
Mrs. Langjahr, second.Tug of War, best two in three,  
Seedsman vs. Florists, 10 men a side.  
—Florists winner.Boys' Race, 4 years and under, 35  
yards.—W. Einsmann, first; W. Weis-  
man, second.Gentlemen's Individual Bowling  
Match, three full frames only.—Fen-  
rich, first; O'Mara, second; Schmutz,  
Sr., third; Schwake, fourth; Kreckler,  
fifth.Running Hop, Step and Jump.—  
Iler, first; King, second.Boys' Race, 5 to 6 years, 50 yards.—  
Miesem, first; Kessler, second.Boys' Race, 7 to 9 years, 75 yards.—  
Walter Pepper, first; Joseph Walter,  
second.On the return trip of the boat the  
members of the club, in appreciation  
of the good work of Chairman Bun-  
yard, presented him with a purse of  
\$75 and voted him a jolly good fellow.

George Peterson, a familiar figure in the wholesale district, will soon embark for Europe. George was recently robbed of \$50, and he says that he has no more use for this country.

Edward Branch, for many years a well known figure in the wholesale district of this city, is ill and confined to his home. The business is being conducted by his son, Herman.

The New York Cut Flower Co. is now receiving heavy consignments of American Beauty and other roses from the F. R. Pierson Co., Scarborough.

J. K. Allen is handling a very fine line of phlox, carnations and feverfew. Many of the carnations come from McQuade Bros., Englewood, N. J.

Manager Cleary, of Cleary's Horticultural Co., contemplates closing for the summer months.

**New York Florists' Club Outing.**

The tenth annual outing, bean feast and games of the New York Florists' Club was held at Witzel's Point View Grove, College Point, L. I., on Tuesday, June 28, and was a great success. There were 350 present, the weather was magnificently fine and nothing occurred to mar the enjoyment. The programme included, besides the items mentioned below, two substantial meals which were done full justice to. Great credit is due Harry Bunyard, chairman of the outing committees, and his confreres, all of whom worked hard to make the affair the great success it turned out. The following are the principal events and prize winners:

Baseball Game, for boys under 14 years, five innings.—Winning team—Bogart, Weston, Harvey, Walter, Pepper, Iler, C. Pepper, B. Einsmann and L. Einsmann.

Ladies' Individual Bowling Match, three full frames.—Mrs. Wittman, first; Miss Matthews, second; Mrs. Donaldson, third; Mrs. Kingston, fourth; Mrs. Moltz, fifth; Mrs. Foley, sixth.

Baseball Game, Benedicts vs. Bach-  
elors, five innings.—Benedicts won,  
7 to 4.

Girls' Race, 4 years and under, 25  
yards.—Martha Schmutz, first; Edith  
Gloeckner, second.

Girls' Race, 5 to 6 years, 35 yards.  
—Dorothy Rassbach, first; Mary  
Smirk, second.



## DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

GREAT BRITAIN

WILLS &amp; SEGAR,

Royal Exotic Nursery,

Onslow Crescent. S. Kensington, London

FLORISTS TO HIS MAJESTY THE KING.

We shall be pleased to carry out commissions from our American confreres to deliver CUT FLOWERS, FLORAL BASKETS, DESIGNS, etc., to any part of Great Britain.

Cablegrams—"FLOSCULO, LONDON."

Chicago.

Established in 1857.



739 Buckingham Place,  
L. D. Phone 558 Lake View.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

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JULIUS BAER,

138-140 E. Fourth St.  
Long Distance 'Phone.

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J. B. BOLAND

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60 KEARNEY STREET.

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H. A. FISHER CO.

Wholesale and Retail Florists.

We Handle Everything in Season.

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C. C. Pollworth Co.

Will take proper  
care of your orders in Wisconsin.

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled  
promptly with the choicest stock.

Alexander McConnell,

571 Fifth Ave., Windsor Arcade,  
NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL.  
Western Union Code.



FROM NEW YORK EXCEPT AS NOTED.

July 5.  
Byndam, Holl.-Amer., 10 a. m., Hoboken Pier.  
Kaiser Wilhelm II., No. Ger. Lloyd, 10 a. m., Hoboken Pier.

July 6.  
Campania, Cunard, 9 a. m., Piers 54 and 56, North River.  
Teutonia, White Star, 9:30 a. m., Piers 60 and 61, North River.  
President Lincoln, Ham.-Amer., 9 a. m., Hoboken Pier.

July 7.  
Carpathia, Cunard, 12 noon, Piers 54 and 56, North River.  
La Provence, French, 10 a. m., Pier 42, North River.  
Barbarossa, No. Ger. Lloyd, 10 a. m., Hoboken Pier.

July 9.  
California, Anchor, 9 a. m., Pier 64, North River.  
St. Louis, American, 10 a. m., Pier 62, North River.  
Caronia, Cunard, 10 a. m., Piers 54 and 56, North River.  
Bordeaux, French, Pier 54, North River.  
La Gascogne, French, Pier 42, North River.  
Vaderland, Red Star, 11 a. m., Pier 59, North River.  
Baltic, White Star, 12 noon, Piers 60 and 61, North River.  
Amerika, Ham.-Amer., 12 noon, Hoboken Pier.  
Germania, Fabre, 1 p. m., Amity Dock.  
Koenigin Luise, No. Ger. Lloyd, 11 a. m., Hoboken Pier.  
FROM PHILADELPHIA, Friesland, American, 10 a. m., Pier 54.

Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave  
Greenhouses: Short Hills, N. J.

Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.  
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Bertermann Bros. Co.  
FLORISTS

.....241 Massachusetts Ave.



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D. C.

Gude's

Omaha, Neb.

Hess & Swoboda  
FLORISTS,

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1501 and L 1553

Denver, Colo.

The Park  
...Floral Co.

J. A. VALENTINE, President.

Washington, D. C.

Geo. C. Shaffer,

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Phone 2416 Main 14th & Eye Sts., N. W.  
Write, Telegraph or Telephone.

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MYER, FLORIST, 609-611 Madison Ave.  
Phone 5297 Plaza.



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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

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Geo. M. Kellogg Flower and Plant Co.,  
906 GRAND AVE.

KANSAS CITY and PLEASANT HILL, MO.  
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

Mention the American Florist when writing

## Washington, D. C.

**GEO. H. COOKE**  
FLORIST

Connecticut Avenue and L Street.

## Terre Haute, Ind.

**John G. Heinl & Son,**  
129 South Seventh St.

Telephone 247.

We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

## Pittsburg, Pa.

**A. W. SMITH CO.**

KEENAN BLDG.

Largest Floral Establishment in America  
Established 1874. Incorporated 1909.

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**J.B. KELLER SONS,**  
FLORISTS.

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**L. L. MAY & CO.**

Order your flowers for delivery  
in this section from the

## LEADING FLORISTS OF THE NORTHWEST.

## Anderson, S. C.

**THE ANDERSON FLORAL CO.**  
593 MARSHALL AVE.

MICHIGAN. Orders will be carefully  
cared for by

**HENRY SMITH,**

Wholesale and Retail Florist of GRAND RAPIDS

## Pittsburg, Pa.

**H. L. BLIND & BROS.,**

Two Stores: Liberty Av. & 5th St., 5424 Center Av.  
Greenhouses: West View.

Mention the American Florist when writing

GNADENHUTTEN, O.—The extensive greenhouse owned by A. Demuth & Sons, at Seventeen, will be removed to this place. The work of dismantling has already begun. It is expected that the transfer will be completed by fall. This concern has shipped its products all along the Panhandle from Columbus to Pittsburg and has become quite well known.

**Washington,  
D. C.**

14th and H Streets.

*Blackstone*

Also

1601 Eutaw Place,

**Baltimore, Md.**

J. DAN BLACKSTONE

## New York.

Established 1874.

**DARDS**

N. E. Corner 44th St.  
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

## Pittsburg.

TRADE FAIR.

Without the funerals and commencements this market would be quite dead. As it is, the business done is not anything startling. Stock is over-plentiful, good, bad and indifferent. Carnations are going back very fast, the majority of stock coming in being second class. Valley has also taken a slump and quantities are going via the barrel. Beauties and sweet peas are moving out nicely, but stock surely is a drag. Quantities of phlox, lilies, daisies, candytuft and gladioli are seen. Greens of all kinds are plentiful.

## NOTES.

At the invitation of the Elliott Nursery Co. there will be an outing of the Florists' and Gardeners' Club to visit the nursery at Springdale.

Miss Stella Richter, of the Charters Cut Flower Co., McKees Rocks, and Herbert Jackson will be united in marriage June 30 at 7 a. m.

The McCallum Co. is handling a fine line of summer peas grown by T. F. Beckert, Neville Isle.

B. A. Cogill, Salem, O., was in town Friday taking in the Pittsburg and Chicago game.

W. H. Whittman is well pleased with his new store at Youngstown, O.

Some very fine Killarney roses are seen at the Pittsburg Cut Flower Co.

C. Puhlman, Carnegie, is contemplating building some new houses.

Gus A. Geng has the sympathy of the trade in the loss of his wife.

A. W. Smith of F. H. Westhoff, says his rose stock is doing nicely.

B. W. Smith of Oakland reports business good.

Visitors: M. Kent, Newark, O.; Mr. Rannfelder of the Manhattan Rubber Co. J.

## Minneapolis.

Oscar Magnuson, formerly foreman for O. C. Carlson, is building two new greenhouses for a general line of stock at Central avenue.

J. P. Jorgensen, of the Donaldson Co.'s greenhouses, has been taking a vacation trip visiting Milwaukee, Chicago and other cities.

## Cleveland, O.

**The Cleveland Cut Flower Co.**

Will fill your orders for designs and cut flowers in  
**NORTHERN OHIO.**

Mention the American Florist when writing

## Dayton, O.

**Matthews,**

—FLORIST—

16 W. 3rd Street.

Flowers in any arrangement for all occasions,  
for Dayton and vicinity. Long dis. Phones

Mention the American Florist when writing

## St. Paul, Minn.

**HOLM & OLSON,  
ST. PAUL**

The Leading Florists of the Northwest

Orders will be well cared for anywhere in  
MINNEAPOLIS AND THE DAKOTAS.

## Los Angeles, Calif.

**J. W. Wolfskill,  
FLORIST,**

Telegraph Orders  
A Specialty. 218 W. 4th St.

## Toronto, Can.

Canada's best known and most reliable florist

Only  
the  
Best **Dunlop's**  
96 Yonge Street.

We deliver anywhere in Canada and guarantee  
safe arrival.

## Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

**DANIELS & FISHER**

Order by mail, telephone, telegraph or  
cable. Cable address "Daniels, Denver"

## Atlanta, Ga.

**Atlanta Floral Co.**

41 Peachtree Street.

O. C. Carlson has started a new \$5,000 Mitchell car and has been treating many of his florist friends to trips to places of interest.



# DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Kansas City, Mo.

**WILLIAM L. ROCK,**  
**Flower Co.,**

Will carefully execute orders for  
Kansas City and any town in  
Missouri, Kansas or Oklahoma.

St. Louis, Mo,

Write, Wire or Phone Your Orders to

**YOUNGS**

1406 Olive Street,

Regular discount allowed on all orders, either  
Plants or Cut Flowers.  
Phonics Bell, Main 2306, Kinloch, Central 4881

New York.

Established 1849

**David Clarke's Sons**

FLORAL DECORATORS

2139-2141 Broadway

Telephones:  
1552-1553 Columbus.

Choice Cut Flowers

Lansing, Mich.

**Gurdon B. Smith**

Covers all Points in Michigan. Best of  
Shipping Facilities in all Directions.  
Always has the best of Everything.

Kansas City, Mo.

**Samuel Murray**

.....FLORIST.....

1017 Broadway Coates House  
Both Phones 2670 Main. Conservatory

Write, Telephone  
or Telegraph.

All orders given prompt  
attention.

Seattle.

The usual slackness of the summer trade is very noticeable at present. Receptions, weddings and funerals will remain the principal business throughout June. Lots of good stock of all kinds is coming into the market. Outdoor roses are in great quantities and in some instances sell as low as 25 cents per dozen retail. Very fine sweet peas, both in Spencer and standard varieties, are beginning to appear in large quantities. The wholesale price is 20 cents per 100.

NOTES.

Mr. Pritchard, formerly manager of Graff's flower shop, has accepted a position with the Hollywood gardens.

Sam Graff of Graff's Flower Shop has returned from the east, having been on a business trip.

M. Couch, of Sandahl & Sons, is back on duty after his vacation.

PHILADELPHIA, PA.—The Lord & Burnham Co. has completed plans for a greenhouse for A. Hallat, 4910 Wynnefield avenue.

Detroit, Mich.

**John Breitmeyer's Sons**

Corner Miami and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Providence.

The closing of all the public and private schools, a large number of prominent funerals and quite a few June weddings all helped to cause a very good week's business for this season. Owing to the extremely warm weather we had the first four days of the week transient trade was very light and the usual summer quietness of the business was very much in evidence. This will give the retailer a chance to look personally after some of the delinquent bill paying customers, give the stock and fixtures a general overhauling, and make what improvements are needed. Vacations will be the next in order—and don't forget it is necessary for the help to have a vacation. There is a sufficiency of all kinds of seasonable cut flowers coming in at regular summer prices. Roses both indoor and out are of good quality and over abundant. Carnations are still coming in of good quality. Outdoor sweet peas are plentiful.

NOTES.

The June exhibition of the Rhode Island Horticultural Society, held in Falstaff hall, 123 Eddy street, was a disappointment because of the limited number of exhibits. There was no fault to be found in the quality, but the quantity was far below that of previous exhibitions. This was due to a combination of circumstances in which the adverse weather conditions played a most conspicuous part.

The Rhode Island Florists' and Gardeners' Club held its regular monthly meeting on the evening of June 20. The weather was so extremely warm that very little business was transacted. President Robert Johnston and William E. Chappell were appointed as a committee to make arrangements for the club's outing.

At the place of Wm. Hay on Dyer avenue the cut of summer roses, President Carnot and Kaiserin are very fine, both in quantity and quality. The new firm of Burke & Burns takes possession of this place July 1.

Ralph Armstrong of Wadley & Smythe, Newport, assisted with the decorations for the marriage of Theodore Roosevelt, Jr., in New York recently.

James B. Canning and wife went to Narragansett pier Saturday in their touring car where they were the guests of John J. Joyce over Sunday.

Wm. Johnston is now foreman for Mrs. Mary Pollock, 8 Franklin street. Mrs. Pollock reports business unusually good this spring.

Edward Murray, in charge of Wm. Hay's new flower market, reports a



Albany, N. Y.

**EYRES,**

Flowers or Design Work.

Delivered in Albany and Vicinity on  
Telegraphic Order.

11 NORTH PEARL STREET.

Mention the American Florist when writing

Boston, Mass.

Send flower orders for delivery in

**Boston and all  
New England Points**

To THOS. F. GALVIN, Inc.,  
124 TREMONT ST.

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

**CLEVELAND, O.**

We Cover All Points in Ohio.

Mention the American Florist when writing

Buffalo, N. Y.

**Palmer's** Flowers  
of Quality  
W. J. Palmer & Son.  
304 Main St.

Mention the American Florist when writing

Louisville, Ky.

**JACOB SCHULZ,**

550 So. Fourth Avenue.

Colorado Springs, Colo.

**FRANK F. CRUMP,**

Wholesale and Retail Florist.

very good business during the past week.

S. J. Reuter & Son, Westerly, had the decorations for the dedication of St. Joseph's church at New London, Conn.

All the flower stores will close at 6 p. m. during July and August and at 1 o'clock on Fridays

Wm. Hoffman, Pawtucket, is very busy enlarging the plant and rebuilding.

Visitor: C. H. Maynard, representing Julius Roehrs Co., Rutherford, N. J.

J. BRINTON.



## The Seed Trade.

### American Seed Trade Association.

E. L. Page, Greene, N. Y., President; L. H. Vaughan, Chicago, First Vice-President; M. H. Duryea, New York, Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

BURBANK has a new strain of watermelons in various colors.

VISITED CHICAGO: Lawrence S. Payn, representing Andre Leroy & Co., Angers, France.

SEEDSMEN should write the United States Department of Agriculture for Bulletin No. 382, "The Adulteration of Forage Plant Seeds."

FRENCH reports on biennial crops are unfavorable, showing in many cases one-third to one-half crop prospects only. Annuals in the main are reported to be looking well, but rain is needed.

AT Chicago onion sets are setting because of the heat, which is sufficient to wilt the tops during the middle of the day; rain now would be of great advantage. One more week of dry weather would almost mature the crop.

CHICAGO.—Contract prices on the board of trade June 29 for grass seed were noted as follows: Timothy, \$5, October. White clover, from 20 cents to 25 cents.—A. Miller, formerly with Vaughan's Seed Store, is now traveling for the W. W. Barnard Seed Co.

THERE has not yet been any decision given in the hyacinth bulb case recorded in our issue of May 21, page 824, under the heading of "Bulb Classification Hearing," nor is there likely to be a decision soon, as the court takes recess July 1. It is not unlikely that the case will be carried to the customs court for final review and that may mean a wait of years.

WISCONSIN growers report that the Alaska and other extra earlies, which were sown early and were ahead of the extreme hot weather, will probably give the best yield in peas, but those sorts that were just in bloom under the extreme heat wave have suffered. The pea district was favored with a nice rain on the night of June 27, which has improved matters a good deal. Field work in the seed pea crops has been taken in hand.

## Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale  
Trade Only.

SAN JOSE, CALIF.

FRANCIS BRILL's interesting paper on "The Past, Present and Prospective of the Seed Trade in America," read by him at the Atlantic City convention will be found on page 1093 of this issue.

THE death of Seth Monroe Pease occurred at his home at Avon, N. Y., June 27, 1910, after an illness of several weeks. Mr. Pease was born at Hamlin, N. Y., in 1841. As a young man he was in the employ of Briggs Bros. and later Hiram Sibley & Co., seedsmen, in Rochester, N. Y., but for



Officers of American Seed Trade Association.

Reading Left to Right: E. L. Page, Greene, N. Y., President; L. H. Vaughan, Chicago, First Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

the past 27 years he had been identified with the Cleveland Seed Co., formerly of New York city and Cape Vincent, N. Y., but since 1904 of Avon, N. Y.

### American Seed Trade Convention.

#### THURSDAY'S PROCEEDINGS.

The first order of business on Thursday morning, June 23, was the report of the committee conference with the National Association of Seed analysts, submitted by Chas. N. Page,

## Pieters-Wheeler Seed Company

Growers of  
High Grade  
SEED

Hollister,  
California



Onion,  
Lettuce,  
Radish,  
Sweet Peas,  
Etc.

Correspondence  
Solicited.

Des Moines, Ia. Mr. Page stated that at the time of the Boston conference, Edgar Brown, of the Department of Agriculture, promised to have the proposed uniform state law printed and sent out by the Department of Agriculture, and had recently reminded him of it, and he again stated that this would be done this fall, so that it would have behind it the endorsement of the department. Mr. Page, as chairman of the committee on state seed legislation, also submitted his report. On motion the foregoing reports were duly received and filed.

The report of the committee on the president's address was read by the chairman, Chas. H. Breck, of Boston. Recommendations No. 1 to 5, inclusive, were separately acted upon and unanimously adopted. President Robinson then introduced Hon. W. M. Hays, assistant secretary of agriculture, who delivered his paper.

Kirby White, of the special committee named to confer with the Wholesale Grass Dealers' Association regarding compensation to be paid to Curtis Nye Smith, as counsel for the American Seed Trade Association, reported recommending continuation of present appropriation for Mr. Smith's annual salary. The adoption of the report was moved by Albert McCullough, and carried, and so ordered.

The committee on obituaries, Chas. H. Breck, chairman, asked and was given further time to prepare suitable obituaries on deceased members and forward to Secretary Kendel after the close of the convention for inclusion in the proceedings of the convention. The committee is composed of William Eber, Quincy, Ill.; James J. H. Gregory, Marblehead, Mass.; John H. Allan, Picton, Ont., and Isaac Funk, Bloomington, Ill.

The convention then adjourned until 2:30 p. m., and President Robinson, after congratulating those present on their promptness, referred to the American Breeders' Magazine as doing good work, and as it had been warmly endorsed by Assistant Secretary of Agriculture Hays, he hoped members would send in their subscriptions for it, leaving their names with Assistant Secretary Vaughan. The election of officers resulted as follows:

E. L. Page, president.

Leonard H. Vaughan, first vice-president and assistant secretary.

M. H. Duryea, second vice-president.

C. E. Kendel, secretary and treasurer.

E. L. Page, S. F. Leonard and J. H. Ford were appointed a committee on nominations for members of executive and membership committee, and their report was accepted and approved and the nominees duly elected as follows:

Executive Committee—J. C. Robinson, Waterloo, Neb.; S. F. Willard, Wethersfield, Conn.; Chas. N. Page, Des Moines, Iowa; S. F. Leonard, Chicago, Ill.; Kirby B. White, Detroit, Mich.

Membership Committee—Albert McCullough, Cincinnati, O.; Frank C. Woodruff, Orange, Conn.; S. A. Wilson, Clinton, Wis.

The salary of the secretary-treasurer was fixed the same as the previous year.

According to custom a straw vote was taken as to the place of holding next convention for the information of the executive committee when they determine same next January, and letters were read from A. E. McKenzie, Brandon, Manitoba; George S. Lenhart, secretary-director



# C. C. MORSE & CO.

## WHOLESALE SEED GROWERS

SAN FRANCISCO CALIFORNIA





High-class Seeds, Bulbs, Plants, Shrubs and Nursery Stock.

**"BUDS"**

CARL R. GLOECKNER, President,  
76 Barclay St., NEW YORK CITY

**COLD STORAGE LILY OF THE VALLEY PIPS**

\$12.50 per 1000 in cases of 2000 only.

Finest German, not Dutch grown. Ready now.

**For Fall Delivery 1910**

Our own imports from Japan.

|                                          |         |
|------------------------------------------|---------|
| Lilium Longiflorum Multiflorum, 7-9..... | \$50 00 |
| " " Giganteum, 7-9.....                  | 65 00   |
| " " Formosum, 7-9.....                   | 65 00   |
| F. O. B. New York.                       |         |

Atlantic City publicity bureau, and the following telegram from W. Atlee Burpee: "Most favorably impressed upon today's automobile trip with suggestion of our Minnesota friend Massey that next year's convention be held at the Roycroft Inn, East Aurora, N. Y. Am sure our friend Elbert Hubbard would give us a royal good time. Kindly emphasize the fact that we want everyone to come to Fordhook on the 10:50 special from Reading terminal on Friday."

Mr. Massie stated that he and Mrs. Massie had stopped at the Roycroft Inn and could vouch for its being a delightful location, and as to the dryness that was certified to by Mr. Burpee. The straw vote showed plurality for East Aurora. President Robinson appointed H. Holmes as a committee of one to find President-elect Page and escort him to the platform, and upon his appearance he was warmly greeted by the Retiring President Robinson, who warned him that he would know more about what he was getting into a year from now, and that he was glad the executive mantle was to fall on such broad shoulders so well able to sustain the responsibilities of the position and it appeared of recent years that the association seemed to have a preference for good-sized men. In response, President-elect Page said:

"I hardly know whether I am to be congratulated or sympathized with. I probably will know better about a year from now, as President Robinson has intimated. However, there is one thing that I do know and that is that I appreciate the honor that you have conferred upon me, and the confidence that you have reposed in me by this election. You know without my stating it that no man whom you elect to this chair to pre-

TO THE TRADE

## HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

**Specialties:** Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

**HENRY METTE'S TRIUMPH OF THE GIANT PANSIES**, (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., \$1.50 per 1/4-oz., 75c per 1-16 oz. postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

## Purchase Direct from French Grower

AND SAVE DEALERS' PROFITS

**Hyacinths** White Roman, Etc.

**Narcissus** Grandiflora P. W., Trumpet Major, Etc.

**Freesia** Refracta Alba, Etc., Etc., Etc.

**SOLEILLET**, Grower and Exporter, Toulon, France

## Waldo Rohnert

GILROY, CAL.

### Wholesale Seed Grower

**Specialties:** Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena, in variety. Correspondence solicited.



Watch for our Trade Mark stamped on every brick of Lambert's

### Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

side over your meetings and deliberations can do all the work. It must be done by the committees and by the members, and I believe that each and every one of you that are members have a work to do, and if that work is done by you then this association will be a great success; and if it is not done by you it will not be done at all. I am impressed, and I think you are, that for the last few years in particular this association has been growing not so much in numbers but in its work, in its quality, and in its achievements. I believe that it stands for more today than it ever did before, and I see no reason why in years to come that it cannot stand for yet more and more. I thank you for your expression of confidence and the honor conferred."

On motion, the convention now adjourned sine die, and by request all repaired to the hotel parlors, where there was another event that was not down on the programme, a presentation to Retiring President Robinson. When all were assembled, Frank C. Woodruff, addressed Past President Robinson as follows: "The thing above all others which has made the American Seed Trade Association a success is the fact that it has been able to choose men of ability to head the organization each year, and the fact that these gentlemen have invar-

## The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

Branches: Michigan and Wisconsin. **MILFORD, CONN.**

**Don't Forget** To give us a trial on Asters, Mignonette, Begonia Verbon, Cineraria, Primula Chinensis, Primula Obconica, Salvia Bonfire and Splendens, Verbena, Cyclamen and Pansy Seed. The two latter items ready July and August. We handle none but the highest quality strains. Katalog for the asking.



**SKIDELSKY & IRWIN CO.**

1215 Betz Bldg.

**PHILADELPHIA, PA.**

ably spent time and money unselfishly and generously on behalf of this association. While such a spirit has been invariably displayed by all of your predecessors, yet you have made it especially hard for the man who succeeds you, because in spite of the fact that you live a great many miles from the places where meetings have been held, and that it has been necessary that you spend a great amount of time and money to attend these meetings you have done so cheerfully.

"This has been a strenuous year for the association, and it was fortunate, indeed, that they secured a man who has done as much for the association as you have done. I learned today what I did not know last evening, that very many of the things which we enjoyed so much last evening were due to your personal purse, and we owe to you an additional debt of gratitude on that account. We cannot attempt to discharge it by this gift which amounts to nothing from a financial standpoint at all, but it comes from the hearts of this association's members, and we hope that in time to come when you use it, it will bring to mind your many friends in this association, all of whom will bear with them the pleasantest recollections of your administration and of yourself."



# Vaughan's Giant Pansies

**10 per cent special CASH DISCOUNT.** On orders over \$2 for Flower Seeds if cash is enclosed, **10 per cent.** The discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent



VAUGHAN'S "ELITE PANSIES."

This is not a complete mixture like our International; it does not contain any pure white, yellow or any self colors. It is comprised of the cream of four Pansy specialists' choicest and most expensive mixtures. Trade pkt., 50c; ½ oz., \$1.00.

## VAUGHAN'S PREMIUM PANSY MIXTURE.

Embraces all the varieties of the Fancy German Sorts. We have sold this mixture for the past seventeen years, and it has given general satisfaction. Per pkt. 25c; ½ oz., 75c; ¼ oz., \$2.50; oz., \$5.00.

## IMPROVED GERMAN MIXTURE.

This is a mixture of three strains from different German growers, and is made up mostly of separate colors, with a sufficiently large percentage of white and yellow. Per large pkt., 10c; ½ oz., 20c; ¼ oz., 30c; oz., \$1.00.

## VAUGHAN'S INTERNATIONAL PANSIES.

Vaughan's International Pansy Mixture was first prepared and offered by us in 1889. We import from all the best European sources, and personally inspected the fields of French and German specialists of their finest strains. Each year has added to the quality of its flowers, the variety of its colors. We buy every year novelties of known merit to improve the mixture. This is the reason it is always complete, always the latest and always the best mixture AS WE BELIEVE. We add to all the Pansy Mixtures, which we now buy more than fifty per cent of choicest named kinds obtainable, each in rightful proportion. We thus know what it will produce. This is one of the SPECIALTIES which has established and held the reputation of Vaughan's Flower Seeds and this is one which we maintain most carefully, not alone as to quality, but in vitality and germination. You are beginning right in Pansy growing when you start with Vaughan's International Mixture. Trade pkt., 50c; ½ oz., \$1.50; ¼ oz., \$5.00; oz., \$10.00.

## VAUGHAN'S "GIANT PANSY MIXTURE."

Embraces besides all the separate shades and colors, five special strains not listed elsewhere, and which can only be had in this and our International mixture. This mixture includes the richest reds, coppers and bronzes, together with the most delicate rose and pink shadings, all the distinct colors of Trimardeau, the splendid Cassier strain. Trade pkt., 25c; ½ oz., 60c; oz., \$4.00; ¼ lb., \$14.00.

Our list of "Seeds for Summer Sowing" now ready; if you have not received a copy please write for same.

# VAUGHAN'S SEED STORE,

84 and 86 Randolph St., CHICAGO.

Greenhouses: Western Springs, Ill.

25 Barclay St., NEW YORK

|                                                                                                                                                                                                                                                                                                                                                                                                                      | Trade pkt. | ½ oz.  | oz.    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------|--------|
| Giant Adonis, light blue with a white center.....                                                                                                                                                                                                                                                                                                                                                                    | \$0.10     | \$0.20 | \$1.35 |
| Andromeda. Color a very delicate apple-blossom.....                                                                                                                                                                                                                                                                                                                                                                  | .25        | 1.00   |        |
| Aureola. The three lower petals are carmine, each with a large round blotch, the upper petals are white, with a broad carmine stripe near the edge.....                                                                                                                                                                                                                                                              | .25        |        |        |
| Aurora, pure white without blotches.....                                                                                                                                                                                                                                                                                                                                                                             | .10        | .20    | 1.30   |
| Auricula Colors, metallic shades.....                                                                                                                                                                                                                                                                                                                                                                                | .10        | .20    | 1.25   |
| Black, large true black.....                                                                                                                                                                                                                                                                                                                                                                                         | .10        | .20    | 1.20   |
| Beaconsfield, upper petals light lavender, lower ones deep rich purple.....                                                                                                                                                                                                                                                                                                                                          | .10        | .20    | 1.20   |
| Boulogne Giant. This is a special selection of a French Pansy grower; the flowers are of the largest size, of great substance and fine form, and are borne on particularly strong stems. They are mostly 3 and 5 blotched, delicately veined, while the colors are rich and varied.....                                                                                                                              | .50        | 2.00   |        |
| Bridesmaid. Its ground color is a Rosy White, rivaling in delicacy and beauty the finest apple-blossom, and most strikingly sets off the dark blotches of the center.....                                                                                                                                                                                                                                            | .25        | .45    | 3.00   |
| Bugnot. Of enormous size, perfectly round, of great substance. Our "Bugnot" contains shades of red, bronze and reddish-brown that are not found in other mixtures.....                                                                                                                                                                                                                                               | .25        | .45    | 3.00   |
| Cassier, 3 and 5 spotted, an A1 strain.....                                                                                                                                                                                                                                                                                                                                                                          | .25        | .45    | 3.00   |
| Emperor Francis Joseph. Very large, pure white with a large blotch of brilliant violet blue on each petal.....                                                                                                                                                                                                                                                                                                       | .25        | 2.00   |        |
| Emperor William, dark navy blue.....                                                                                                                                                                                                                                                                                                                                                                                 | .10        | .20    | 1.25   |
| "Fiery Faces," very rich scarlet, with a gold edge and yellow center.....                                                                                                                                                                                                                                                                                                                                            | .15        | .35    | 2.00   |
| Freya, deep purple violet, with a white margin.....                                                                                                                                                                                                                                                                                                                                                                  | .10        | .20    | 1.30   |
| Golden Queen, clear golden-yellow.....                                                                                                                                                                                                                                                                                                                                                                               | .10        | .20    | 1.30   |
| Mad. Perret, lovely shades of pink and rose.....                                                                                                                                                                                                                                                                                                                                                                     | .10        | .25    | 1.50   |
| Marchal Niel. Very large, without any blotches or veins and are of the same pleasing, delicate cream color as the rose whose name it bears.....                                                                                                                                                                                                                                                                      | .25        |        |        |
| Mauve Queen. A most pleasing mauve.....                                                                                                                                                                                                                                                                                                                                                                              | .25        |        |        |
| Masterpiece—New Giant Curled. This strain comes nearer to "Double Pansies" than anything ever introduced under that name. In reality the number of petals is the same as that in other Pansy flowers, but they are crimped and curled in such a fashion that the flowers appear double. The flowers are of enormous size, often 3 inches across, and the color variations and combinations are odd and striking..... | .25        | .60    | 4.00   |
| Orchid-Flowered. The ground color of nearly all the flowers is light, the petals being marked with large brown or golden yellow blotches which diffuse into rays and veins towards the edge. The upper petals are upright and plaited, resembling orchids. The colors are terra cotta, flesh, orange, rose, pink and lilac.....                                                                                      | .25        | .45    | 3.00   |
| Parisian Striped, stripes are broad and loud.....                                                                                                                                                                                                                                                                                                                                                                    | .10        | .20    | 1.50   |
| President Carnot, fine blotched white.....                                                                                                                                                                                                                                                                                                                                                                           | .15        | .35    | 2.00   |
| President McKinley, fine blotched yellow.....                                                                                                                                                                                                                                                                                                                                                                        | .15        | .35    | 2.75   |
| Pink, lovely shades of pink, same as Hydrangea.....                                                                                                                                                                                                                                                                                                                                                                  | .10        | .25    | 2.00   |
| Purple, very large, rich deep purple.....                                                                                                                                                                                                                                                                                                                                                                            | .10        | .20    | 1.00   |
| Paris Market, an improved strain of Trimardeau, with better flowers and more compact habit.....                                                                                                                                                                                                                                                                                                                      | .10        | .20    | 1.00   |
| Pretiosa. Each petal has a very large blotch of deep violet color, surrounded by a crimson background and the ground color is margined with a pure white edge.....                                                                                                                                                                                                                                                   | .15        | .35    | 2.00   |
| Psyche, elegantly curled and undulated and in every respect a beauty in form and color. The five velvety violet blotches are surrounded by a broad white edge.....                                                                                                                                                                                                                                                   | .15        | .40    | 3.00   |
| Rosy Morn. A bright purplish crimson margined with a clear white edge.....                                                                                                                                                                                                                                                                                                                                           | .25        | 1.00   |        |
| Siegfried. They are mostly 5 spotted with a clear white margin. The colors are of rich brown shades such as are found in the English wallflower.....                                                                                                                                                                                                                                                                 | .25        | .75    |        |
| Striped, mahogany, striped, and flaked white.....                                                                                                                                                                                                                                                                                                                                                                    | .10        | .20    | 1.00   |
| Trimardeau, mixed.....                                                                                                                                                                                                                                                                                                                                                                                               | .10        | .20    | 1.00   |
| Triolet Blue, a very pleasing shade.....                                                                                                                                                                                                                                                                                                                                                                             | .10        | .20    | 1.20   |
| Volcano. Color, bright dark red, each petal being marked with a very large dark blotch. The flowers are of large size and good substance and the edge of the petals are curled like those of "Masterpiece".....                                                                                                                                                                                                      | .25        | .75    |        |
| White, very large, with violet eye.....                                                                                                                                                                                                                                                                                                                                                                              | .10        | .20    | 1.00   |
| Yellow, immense flowers with dark eye.....                                                                                                                                                                                                                                                                                                                                                                           | .10        | .20    | 1.00   |

## VAUGHAN'S CUT FLOWER MIXTURE.

This mixture is put up by ourselves and contains mostly light colored sorts. We have sold this mixture for several seasons to some of our Chicago cut flower growers, who have realized big returns from the sale of the flowers. Pansies are as easily grown as violets, require less care and bring better returns. Trade pkt., 50c; ½ oz., \$1.00; ¼ oz., \$2.00; oz., \$8.00.

Past President Robinson, in reply, assured Mr. Woodruff that he greatly appreciated the occasion and the gift, but more so the place that it indicated he had won in the hearts of the members, which he would always

value highly; he had felt that he had got closer to them during the year of his occupancy of the presidency than ever before during the previous 20 years of his own membership in the American Seed Trade Associa-

tion. He trusted that the friendships formed would continue throughout life. He desired to again thank all who had assisted him throughout the year. The remembrance was a solid silver table service, suitably inscribed.



## The Day at Fordhook Farms.

A merry company assembled at the Reading terminal in Philadelphia on Friday morning, June 24, in anticipation of the trip to Fordhook. It is well known that whatever W. Atlee Burpee does is well done. He had provided a train of seven coaches for the accommodation of his guests, the members of the Seed Trade Association and their families. In addition to those who had come from Atlantic City, the party was augmented at Philadelphia by arrivals from New York, Boston and other points. A number of Philadelphians who had not attended the convention were also present; the train was personally conducted by Albert Hentschke, city passenger agent of the Philadelphia and Reading railway. Over 200 persons were on board. After a run of about one hour through a delightful section of the Keystone state, rich in evidences of an advanced stage of agriculture and horticulture, Fordhook was reached. Carriages were in waiting but as the distance to the house was short most of the visitors preferred the exercise of walking.

Before the house was reached, the towering figure of Mr. Burpee, standing on the veranda, was recognized by many of the visitors and there was a hearty cheer. Assisted by his most amiable wife and family, he held a reception that for spontaneous cordiality was a great advance on the time-worn official and society reception. For the remainder of the day, it is no figure of speech to state that Fordhook Farms was the property of the guests. In squads and platoons, though not in military formation, they roamed the broad acres—about 300—at will. They discussed sweet peas, incidentally plucking many blooms, garden peas, phlox, iris, salvias, California and Shirley poppies, mignonne, petunias, gaillardias and the many other flowering plants, vegetables and forage grasses found on the place. It is here that the testing or trying out process for Mr. Burpee's enormous business is carried on and, judging from the high state of cultivation, anything of merit has a splendid chance to make good. To the visitors probably the most interesting features were the sweet peas, as they lingered long among them. The number of varieties runs well up to 300 and if the rows were in one continuous line they would reach three miles. The acreage devoted to salvias is also noteworthy.

In his invitation, Mr. Burpee announced that luncheon would be served at one o'clock. That was a very modest statement, considering the fact that every hour after the arrival at the place, hunger and thirst could be appeased. At one o'clock the big dinner bell rang and the visitors assembled on the lawn and partook of what old fashioned folks call a "square meal." The bill of fare was elaborate and even the Boston men got all they could eat. At three o'clock there was an exhibition of the workings of the sprinkling apparatus with which the testing ground is equipped. It is a comparatively simple but effective device. Two-inch

pipes are run the length of a field between the beds and elevated on posts to a height of over six feet, the pipes are perforated with small holes and when the water is turned on the bed is watered much in the manner of a light rain. A lever, which a boy can manipulate, is attached to each pipe thus enabling the operator to shift the spray from side to side and water two beds with one line of pipe.

Just before the party returned to the train for the return trip to Philadelphia, President Robinson, speaking from the veranda of the Burpee home, on behalf of the Seed Trade Association, paid a glowing tribute to the hospitality of Mr. Burpee and his fam-

ily. Mr. Burpee replied in a graceful speech. Mr. Collins of the Northwestern Agriculturist made a humorous and eloquent address in which he emphasized the bonds of sympathy and fraternity that bind together all sections of this great country. The day was a red letter one to all who attended, and the event was one that will be well worthy of recollection in the years to come. In addition to all that has been enumerated, the weather was delightful and all the arrangements were carried out with graceful precision.

THERE are in the vicinity of 700 names for varieties of sweet peas.

# BODDINGTON'S QUALITY

## Christmas Flowering Sweet Peas

**For Immediate Delivery.**

|                                                | Oz. | ¼ lb. | ½ lb.  | Lb.    |
|------------------------------------------------|-----|-------|--------|--------|
| <b>Boddington's Snowbird</b> , pure white..... | 20c | 75c   | \$1.25 | \$2.00 |
| <b>Boddington's Christmas Pink</b> .....       | 10c | 40c   | .75    | 1.00   |
| <b>Boddington's Christmas White</b> .....      | 15c | 50c   | .85    | 1.50   |
| <b>Mrs. E. Wild</b> , carmine.....             | 15c | 50c   | .85    | 1.50   |
| <b>Mrs. Geo. Lewis</b> , white waved .....     | 15c | 50c   | .85    | 1.50   |

**New Crop of all other Winter Flowering Varieties  
Ready in August.**

**ARTHUR T. BODDINGTON,**

**342 West 14th Street.**

**NEW YORK CITY.**

# BAY TREES

### Standard or Tree Shaped

| Stem about | Crown.    | Each.   | Stem about | Crown.    | Each.   |
|------------|-----------|---------|------------|-----------|---------|
| 42-46 in.  | 24 in.... | \$ 6.75 | 45-48 in.  | 30 in.... | \$10.00 |
| 45-48 in.  | 26 in.... | 7.50    | 46-54 in.  | 34 in.... | 12.00   |
| 46-50 in.  | 28 in.... | 8.00    | 46-53 in.  | 40 in.... | 15.00   |

# BOX TREES

**Bush Shaped.**

These do not come in tubs.

| Height,                  | Each.  | Doz.   | 100     |
|--------------------------|--------|--------|---------|
| 10 to 12 in.....         | \$0.30 | \$3.00 | \$20.00 |
| 12 to 15 in.....         | .35    | 3.50   | 25.00   |
| 15 to 18 in., light..... | .40    | 4.00   | 30.00   |
| 15 to 18 in., heavy..... | .45    | 4.50   | 35.00   |
| 20 to 24 in.....         | .75    | 8.00   |         |

**All plants are quoted f. o. b. Western Springs.**

# Vaughan's Seed Store

**WESTERN SPRINGS, ILL.**





## The Nursery Trade

### American Association of Nurserymen.

W. P. Stark, Louisiana, Mo., President;  
E. S. Welch, Shenandoah, Ia., Vice-President;  
John Hall, Rochester, N. Y., Sec'y.  
Thirty-sixth annual convention to be held  
at St. Louis, Mo., June, 1911.

THE eighteenth national irrigation congress meets at Pueblo, Colo., September 26-30, 1910.

VISITED CHICAGO: Chas. J. Maloy, of Ellwanger & Barry, Rochester, N. Y., returning from the Pacific coast.

THE Mac Rorie Maclaren Co., San Francisco, has been awarded the contract for laying out San Carlos park. Over 600 acres are included.

Two million fruit trees, occupying between 25,000 and 30,000 acres, mostly irrigated land, are being planted in the various districts of eastern Washington and Oregon, Idaho and western Montana.

PETERSBURG, VA.—The Arrowfield Nursery Co. has been incorporated with capital stock of \$2,500 to \$25,000 to do a general florist business. W. N. Roper is president, Edith M. Hutt vice-president and W. N. Hutt secretary-treasurer.

W. J. DEAN, superintendent of the Aboretum, Royal Botanic Gardens, Kew, London, England, expects to visit the Arnold Aboretum, Boston, Mass., this season and will doubtless call at other establishments of like interest during his stay in this country.

THE second largest apple orchard in Kansas, late the property of Wellhouse, comprising 800 acres with 45,000 trees has been abandoned for this crop, burned over and will be tried for other crops. Mr. Wellhouse said the orchard was never satisfactory, the subsoil not being suitable.

THE business and nursery of the Tyler Bros., Nursery Co., Kimberly, Idaho, has been sold to a company composed of John Hardin, John Henning, Wm. Durkee and C. E. Wright, who are reorganizing the business as a stock company, to be known as the Kimberly Nursery and Orchard Co.

BAYNES LAKE, B. C.—Wm. Williamson, late general foreman at Atherley Road Nurseries, Shanklin, Isle of Wight, Eng., has taken up the position of foreman in the Kootonia Nursery and Greenhouse Co. (Limited), of which business E. H. H. Stanley is managing director. Mr. Williamson comes well recommended.

# A BLUE ROSE

## The Greatest Rose Novelty of the Century

*It flowered with us this season and was greatly admired.*

The New Rambler (Violet Blue)' hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

*Send for description and price.*

**ELLWANGER & BARRY**

Mount Hope Nurseries

ROCHESTER, N. Y.

## ROSES Our Leading Specialty

Also Azaleas, Rhododendrons, Conifers, Fancy Clipped Boxwoods, Forest and Fruit Trees, Hedge Plants, Etc.  
Ask for Wholesale Price Lists.

**S. A. VOSTERS & SONS,**

**RIEL, HOLLAND.**

THE Jacs. Smits case, to which reference was made in our issue of April 30, page 690, has been dismissed by consent of counsel.

### Roses at Ellwanger & Barry's, Rochester.

The annual rose show at Ellwanger & Barry's nursery, Rochester, N. Y., is in full swing and although the flowers are somewhat later than usual the display is magnificent. Altogether there are 15 acres of plants in flower and the place has been thrown open for the public to enjoy the flowers on all days excepting Sundays. Among the finest varieties Margaret Dickson stands out prominently the white and flesh tinted flowers coming in for much favorable comment. Snow Queen is of good habit and bears large pure white flowers. The old favorite La France, is largely grown and there are thousands of its delicately tinted flowers side by side with the now well known White Killarney and Killarney; Ulrich Brunner and J. B. Clark are also fine. Tausendschon and the white Nova Zembla are fine, as are the other ramblers, such as Philadelphia, while the showy Grass an Tepitz is ablaze with its bright red flowers which will keep going all summer.

In addition to the roses, the peonies have been a great attraction, but they are getting over now. Thousands of plants are grown in an open field of 10 acres and the sight of the tens of thousands of flowers has been a magnificent one. Among the newer varieties are La France, which is a re-

## A GOOD INVESTMENT

Evansville, Ind., Feb. 18, 1910.  
AMERICAN FLORIST Co.  
Chicago.

DEAR SIR:—I am using your Trade Directory and out of 4000 nurserymen we circularized only two circulars came back. I am enclosing these names as you may want to make the changes.

A. J. LOCKYEAR.  
New Edition Now Ready—Price \$3.00.

## Jacs Smits & Co., NAARDEN, (Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Price List Free on Demand.

plica enlarged of La France rose with all its beauty of coloring; the white La Lorraine, the cream-colored Sou-tagne, the white La Cygne and the Japanese beauties, Fujimene, which has white guard petals and yellow center; Mikado, whose outer petals are purple, with a magnificent yellow center; Kasamanestishi, which is pink with a yellow center. Plutarch is a beautiful deep red and the famous "black" peony, Martin Cahuzac, and Kochonomi, probably one of the most remarkable of the peonies, are all to be seen.



GROUP OF VISITORS TO THE DENVER CONVENTION OF THE AMERICAN ASSOCIATION OF NURSERYMEN.



## Phoenix Nursery Company

**Nurserymen and Florists**  
**BLOOMINGTON, ILLINOIS**

Send list of wants for prices.

Wholesale catalog for spring issued Feb. 1st.

### 500,000 California Privet FOR FALL OF 1910.

A fine stock of 1 and 2 year plants from 12 inches to 4 feet. will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.

Also a fine stock of **AMPELOPSIS Veitchii**, 2 years transplanted.

**CHAS. BLACK, Hightstown, N. J.**

## Hybrid Perpetual and Rambler Roses

**Strong Forcing Stock for Florists.**

Orders for fall delivery booking now.

**Jackson & Perkins Company, Newark, N. Y.**

### The Willow Ware Industry.

Frank Dillingham, consul-general at Coburg, Germany, reports that although fostered by the government the growing of willows for the basket trade in Upper Franconia has as yet met with little success. He states, however, that by proper drying and growing in large enough quantities to be able to ship in carlots it is expected that the systematic culture of the willow will eventually prove profitable. The transportation of unpeeled willows in small quantities does not pay; only good, white, glossy ware of the best quality, dried in the sun, can be utilized as an article of trade to ship long distances in order to realize good prices. *Salix amygdalina* has proved the most satisfactory variety in Upper Franconia because it is less affected by changes in climate and damage by insects than other willows.

### The Arnold Arboretum.

ADDITION TO ADMINISTRATION BUILDING.

The new addition to the administration building of the Arnold Arboretum recently completed gives added facilities that are much appreciated by Prof. Charles S. Sargent, the director, and his assistant, Charles E. Faxon, for the proper arrangement and storage of herbarium specimens. The new structure, directly in the rear of the original building and made a part of it, is of brick and concrete, 50 feet square and four stories high. It was erected at a cost of about \$40,000, the subscriptions of friends of the arboretum, which is a department of Harvard University. It is considered to be fireproof and is without doubt the finest building for its purpose in the world.

The Arnold Arboretum contains 220 acres and its purpose is to grow all wooded plants that will grow in this climate and give the student the opportunity to study arboriculture. The arboretum is world-famous and students come here for study from all parts of the world. It was opened about 1880 and Prof. Charles S. Sargent has always been the director in charge. The building is at the Jamaica Plain entrance to the arboretum.

# Bobbink & Atkins

World's Choicest Nursery and Greenhouse Products

## Bay Trees, Boxwood,

**Evergreens and Conifers,  
Rhododendrons and Herbaceous  
Plants, Kentias and Phoenix.**

We have a large quantity of all this stock.

We shall be glad to give special prices  
on any quantity.

**Nurserymen and Florists Rutherford, N. J.**



## Arbor Vitæ

(*Thuja Occidentalis.*)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

**The Wm. H. Moon Co.,  
MORRISVILLE, PA.**

## DAHLIAS

Jack Rose and other best Cut Flower varieties. Write for list and prices.

**PEACOCK DAHLIA FARMS**

Williamstown Junction, N. J.

## LARGE TREES

**OAKS and MAPLES  
Pines and Hemlocks**

**ANDORRA NURSERIES.**

Wm. Warner Harper, Prop.  
Chestnut Hill, PHILA., PA.

There are four large rooms devoted to the herbarium department, and six other large work rooms, all finished with concrete floors and steel cases, and furnished with large top tables and chairs. These latter pieces of wooden furniture are the only inflammable materials in the new building. The herbarium rooms are fitted with 336 steel cases, seven feet in height, two feet in depth, and contain 8736 shelves for the storage of 100,000 herbarium specimens, in folios. The original part of the building is now devoted to the library of the institution, which contains 25,000 volumes on trees and wooded plants. It is said to be the most complete library of its kind in the world. On the lower floor of the old building is to be found, in a large room to the left of the entrance, an exhibition of all woods of North America, which show the bark, half of each specimen showing the natural condition of the wood and the

## NEW BERRY, HIMALAYA GIANT

Berry Catalogue free with Colored plates.

Berrydale Experiment Gardens: Holland, Mich.

## THE Storrs & Harrison Co.

**PAINESVILLE NURSERIES.**

CATALOGUES AND PRICE LISTS  
FREE ON APPLICATION.....

**PAINESVILLE, OHIO.**

## ROSES

Send for our list of own root, two-year-old roses in all the leading **Teas, Hybrid Teas and Hybrid Perpetuals**, strong two-year-old plants, just the kind for benching or for planting in the open ground. Our list includes the choicest sorts and the prices are low. Write today.

**THE DINGEE & CONARD CO., West Grove, Pa.**

## JOHN T. WITHERS, Inc.

**Landscape Architect and Forester**

1 Montgomery St., **JERSEY CITY, N. J.**

**Tree Renovation by Expert Operators.** Stereopticon lectures on Horticulture and Arboriculture

**Eugene Pitou, Jr. CIVIL ENGINEER and Landscape Architect**

Phone Barclay 6084—229 Broadway, New York  
Designs, Estimates, Construction of Grounds

other half a polished surface. A map accompanies each wood specimen, and is marked to show the section of the country in which it grows. Many pictures of trees and shrubs adorn the walls of the building. The building was erected in 1892.

A collection of Chinese plants, recently obtained by an expedition sent out by Harvard University to the western part of China, will be stored in the new addition of the building and will be of the greatest interest to botanists in all parts of the world.—Boston Globe.



# Aster Plants

Simple's Branching and Queen of the Market, fine plants of the best strains, \$1.75 per 1000, 5000 for \$7.50.

Cabbage, Celery, Peppers, Sweet Potatoes, Tomatoes, Brussels Sprouts and Celeriac.

Fine plants from the 6 id, \$1.00 per 1000; 5000 for \$4.00; 10 000 for \$7.50; all the best varieties.

J. C. SCHMIDT, Bristol, Pa.

# Nephrolepis Ferns...

We cannot book any more orders for delivery before July 10.

Henry H. Barrows & Son, Whitman, Mass

Cincinnati.

SUMMER CONDITIONS.

Judging from the volume of business done the past week we can come to the conclusion that the good old summer time is surely with us. A little funeral work is about all that the retailers have to occupy their time, as there were not many weddings of note and fewer receptions. In the cut flower line we have some fine longiflorum lilies, valley and sweet peas. The carnations are holding out remarkably well, when the very warm weather of the past 10 days is taken into consideration. In roses the best offerings are in Beauties, Kaiserin and Taft, and the less said about the other varieties the better.

NOTES.

We had with us this week, one of Chicago's pioneer florists in the person of Mr. Weiland, who for years conducted a greenhouse establishment in the swell suburb of Evanston. Although past the allotted three-score years and ten Mr. Weiland is still well preserved and enthusiastic about the future of the florist business. He is visiting his daughter, Mrs. P. J. Olinger.

Henry Schwarz of Norwood had a big run on funeral work the past week and was an early buyer in the wholesale district every day. Henry will rebuild two of his greenhouses and add another house very shortly. When completed he will have a nice up-to-date establishment which is essential to his rapidly growing business.

Weiland & Olinger have a few asters but as long as white carnations are to be had these do not cut much of a figure. Smilax is in fair demand but the asparagus from the south does not come through in good shape and the money realized from shipments really does not compensate the grower for his time and trouble.

Tom Windram is sending Shasta daisies to the James McCullough's Sons Co. and a limited quantity of gladioli were noticed at this place, undoubtedly a forerunner of the thousands that will occupy the tables in the very near future.

What is the matter with C. E. Critchell? The races have been going on for three weeks and we find Charley at his desk every afternoon as busy as he can be. No doubt he is preparing for a good long vacation and needs the money.

Word was received from C. J. Ohmer, West Palm Beach, Fla., that he is a daddy, a girl having arrived at his home on June 24. Mother and daughter doing well and congratulations are in order.

## 20 Per Cent Discount on Bedding Plants for Stock

For the next ten days we will allow A DISCOUNT OF 20 PER CENT. on any of the following plants except Ferns and Cyclamen:

|                                                 | Per 100 |                                           | Per 100 |
|-------------------------------------------------|---------|-------------------------------------------|---------|
| 2 -in. Nutt Geranium.....                       | \$2 50  | 2 -in. Feverfew .....                     | 2 00    |
| 2 -in. Viad .....                               | 2 50    | 2 -in. Rose Geranium .....                | 2 00    |
| 3 -in. Nutt .....                               | 4 50    | 2 -in. Mme. Sallerol Geraniums.....       | 2 00    |
| 4 -in. Nutt .....                               | 6 00    | 2 -in. Dracena Indivisa .....             | 3 00    |
| 3 -in. Viad .....                               | 4 50    | 2 -in. Asparagus Sprenger.....            | 3 00    |
| 4 -in. Viad .....                               | 6 00    | 3 -in. " Pl. Napus .....                  | 3 00    |
| 2 1/2 -in. Dbl. Petunias, 2 to 4 varieties..... | 2 50    | 3 -in. " .....                            | 7 00    |
| 2 -in. Ageratum, blue.....                      | 2 00    | 2 1/2 -in. Whitman, true variety .....    | 5 00    |
| 2 -in. Heliotrope, blue.....                    | 2 00    | 3 -in. Cyclamen, 4 colors, separate ..... | 8 00    |
| 2 1/2 -in. Dbl. Alyssum .....                   | 2 00    | 2 1/2 -in. Salvia.....                    | 2 50    |
| 2 -in. Lantana, 2 varieties .....               | 2 50    | 1 1/2 -in. " .....                        | 2 00    |
| 2 1/2 -in. Centaurea Gymnocarpa.....            | 2 50    | 2 -in. Fuchsia .....                      | 3 00    |
| 2 -in. Coleus, 8 to 10 varieties.....           | 2 00    | 3 -in. " .....                            | 6 00    |
| 2 -in. Moonvine, white.....                     | 2 50    |                                           |         |
| 2 1/2 -in. " .....                              | 3 00    |                                           |         |

Our stock is all well grown, and we will guarantee satisfaction. Give us a trial and see.

D. U. AUGSPURGER & SONS CO., Box 394. Peoria, Ill.

Mention the American Florist when writing

## Asparagus Primroses

|                               | Per 100 | Ready July 15                | Per 100 |
|-------------------------------|---------|------------------------------|---------|
| Plumosis, 2 1/4 -in. pot..... | \$ 2 00 | Chinese and Forbest .....    | \$ 2 00 |
| Sprenger, 2 1/4 -in. pot..... | 2 00    | Obconica Alba and Rosea..... | 2 00    |
| Pansy Seed, new crop .....    | Per oz. | Obconica Gigantea.....       | 3 00    |
| Giant Flowering .....         | \$ 4 00 |                              |         |

—Cash, No C. O. D.—

JOS. H. CUNNINGHAM, Delaware, O.

Mention the American Florist when writing

20,000 Fine Tea Roses Ready for bedding out in 2-, 2 1/2- and 3-in. pots. Soft Wooded stock of all description to be closed out cheap for cash. Write your wants to GEO. A. KUHLE, PEKIN, ILL. Ferns worth the money. Our varieties include:

|                  | 2 1/2 -in. | 3 -in.  | 4 -in.  | 5 -in.  | 6 -in.  | 7 -in.   | 8 -in.   |
|------------------|------------|---------|---------|---------|---------|----------|----------|
| Bostons.....     | \$5 00     | \$10 00 | \$15 00 | \$25 00 | \$40 00 | \$ 60 00 | \$100 00 |
| Whitman.....     | 7 50       | 15 00   | 25 00   | 50 00   | 75 00   | 100 00   | 150 00   |
| Amerpholi.....   | 7 50       | 15 00   | 25 00   | 50 00   | 75 00   | 100 00   | 150 00   |
| Scotti.....      | 7 50       | 15 00   | 25 00   | 50 00   | 75 00   | 100 00   | 150 00   |
| Plumosis.....    | 3 50       | 8 00    | 15 00   | 25 00   | 50 00   | 100 00   |          |
| Sprenger.....    | 2 50       | 5 00    | 12 50   | 25 00   | 50 00   |          |          |
| Maiden Hair..... | 5 00       | 15 00   | 25 00   |         |         |          |          |
| Small Ferns..... | 5 00       |         |         |         |         |          |          |

Specimen 10-in. and up \$2 50.

The outing of the Florists' Society will be held July 21 at the Country club, Carthage, O. This is a dandy place and a good time is in store for all who attend.

The Bloomhurs and Floral Co. are getting their place in fine shape, and it is the intention of William Sunderbruch to have everything planted by the Fourth of July.

Albert McCullough has returned from the seedsmen's convention and reports a delightful time and a very successful convention.

Visitors: S. S. Skidelsky, Philadelphia; representatives of the Sefton Manufacturing Co., Chicago.

Buffalo.

GOOD BUSINESS.

The past week has been all that could be wished for, ideal weather, very warm, but good for business. School commencements have been very numerous and the supply of flowers equal to all demands. Roses, carnations and peonies were most sought. Accompanying the graduation exercises were a very large number of weddings from the most elaborate in flowers and plants to the small bouquet and a trip to the church, all of which has kept the retailers busy, and now that it is almost July 1 many will be glad of the opportunity to enjoy their vacations, thinking that the season passed has been a good one.

## Brides and Maids

2 1/2 -in. \$2.50, 100; \$25.00, 1000. Numerous other good sorts in prime stock.

THE LEEDLE FLORAL COMPANY. SPRINGFIELD, OHIO.

Where the florists will spend their vacation is still a mystery, excepting to W. F. Kasting, who will summer at his place in Erie, Pa., and automobile to nearby places. American Beauties, My Maryland and Kaiserin roses with a limited supply of Carnot, are the best that we have here. Carnations are in good supply and in most cases good quality. Sweet peas were never better than at the present time and in great demand. Valley and orchids are good and selling well.

It is safe to say that this city will be well represented at the Rochester convention as the club expects to go down for two days while others will go down and back each day.

The state convale of the Knight Templars last week was good for the trade. Many orders for different receptions were handled.

The opening of J. N. Adam & Co.'s new store gave S. A. Anderson a large decoration of palms, ferns, box trees and cut flowers.

J. N. Bailey of the Buffalo Cut Flower Co., is very ill. BISON.



## Alternanthera JEWEL

We can still supply first-class plants of this magnificent new bedding plant. If you buy now, you will be able to have stock for another year. To clean out, we will make a special price of \$1.50 per doz.; 10.00 per 100.

## Gardenias

We can quote you in any quantity. 3-in. \$18.00 per 100; 2½-in. \$12.00 per 100. Getting down on 'mums, but still have a few thousand at \$25.00 per 1000.

**CHARLES H. TOTTY,**  
MADISON, N. J.

## JOSEPH HEACOCK CO.

WYNCOTE, PA.

## Growers of Fine Kentias

Send for Price List.

Davenport, Ia.

Business during June has been exceptionally good, owing perhaps to the marriage of a number of very prominent people and the death of several. One funeral, that of W. Bettendorf, a prominent manufacturer, called for nearly \$2,000 worth of flowers. Graduations at the different schools and colleges also called for an unusual amount of flowers. With but few exceptions the local growers supplied the demand. At present, however, flowers are very scarce and of poor quality, owing to the extremely dry and hot period—three weeks now without a drop of rain and the glass around 90° every day. Carnations and all outdoor stock are suffering badly for need of water.

Ewoldt Bros. entertained the Tri-City Florists' Club at their home, Floral Hill, on the evening of June 23. This was in the nature of the fifth annual strawberry feast, and, in spite of the great heat, a good number was present, and a good time was had. One new member was admitted to the society and a committee of three—Henry Pauli, Wm. Goos and Henry Gaethje—was appointed to make all arrangements for the annual picnic, same to be held some time during July. "Vines for Different Purposes" was the evening's subject. As Harry Bills and A. Anderson, last year's strawberry eating champions, were not present, the annual contest was declared off, and the leather medal will be used at the annual picnic for some other purpose.

Henry Pauli is clearing away the rubbish of his old houses and has everything on the ground for three new ones, which will be built at once. Pauli has the old Campbell place planted all in chrysanthemums and asters.

Supt. Boehm and his assistants have the parks looking fine this summer in spite of the dryness. Spraying the trees is the biggest job now, as the insects are more numerous than ever

# WE TAKE THE LEAD

In what? What a foolish question! Don't you know? Didn't you hear of **GODFREY ASCHMANN**, the great *Araucaria* Importer, Grower and Shipper? These so well favored, everlasting green decorative plants, the *Araucaria Excelsa*, *Robusta Compacta* and *Excelsa Glauca*, are in favor more than ever this year.



This is our 25th anniversary since we began importing *Araucarias*. Watch! See us grow! Beginning 25 years ago with 100, our this year's (1910) importation is **10,000**, and more are coming this fall after I have made my selection of the choicest of the choice on my trip to Belgium; he growing district of the world in *Araucarias* and *Azaleas*. The trade is well informed that for many years past I go personally to Belgium to protect and select for my customers the best of *Araucarias*, *Azaleas*, *Palms*, etc., that cash can buy there. Empty houses won't pay. Now is the time to fill your empty houses with something to grow into money while you are asleep.

Remember, it is the wideawake man that is not afraid to invest a dollar that makes the money. Please look at our special low prices for superior stock.

*Araucaria Excelsa*, raised from top cuttings, no seedlings. Plants, 5-5½-6-7 in. pots, 12-15 18-20-25-30 in. high. 3-4 5-6 tiers. 2-3-4-5 years old, 35c, 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50 each.

*Robusta Compacta*, *Excelsa Glauca*, 6 in. pots, \$1.00 to \$1.25 each.

*Kentia Forsteriana*, in fine shape, 6-in. pots, 30-35-40 45 in. high. 4-5-6 years old, 75c, \$1.00, \$1.25, \$1.50 \$2.00 to \$2.50 each.

*Kentia Belmoreana*, 25 30-35-40 in. high. 5-5½-6-7 in. pots, 5-6-7 years old, 50c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00 each.

## GODFREY ASCHMANN

Wholesale Grower and Importer of Potted Plants, 1012 West Ontario St., PHILADELPHIA, PA.

## Carnations

**F. DÖRNER & SONS CO.**  
La Fayette, Ind.

## FLORISTS' ASTERS

Field-grown—Separate colors.

CREGO, White, Shell Pink and Rose.  
SEMPLE'S, Purple and Lavender.

\$2.50 per 1000 by express; 50c per 100 by mail.  
Cash with order.

**A. & G. ROSBACH**, Pemberton, N. J.

before, having no rain to wash them down.

Staack's, Moline, Ill., are rushing things at their new range near Wauertown, which when completed will be the finest in this part of the state.

Wm. Knees has planted two benches with carnations, and is busy bringing in the rest. He is also installing a new boiler.

A. Anderson, Moline, Ill., is visiting Sweden and the Bachelor club is worried fearful that A. A. might break his vows.

It took 10,000 rose plants to fill Ludwig Stapp's two new rose houses and they are all looking fine.

Ewoldt Bros. and Wm. Knees are cutting some fine Golden Glow chrysanthemums.

Harry Bills is busy glazing his new greenhouses.  
T. E.

*Kentia Belmoreana*, 2½ to 3 in., 10c each.  
Standard Bay Trees, 1-foot tubs, 7 ft. high from bottom up, \$8.00 per pair.

*Sago Palms*, ready July 15, 6-7-8 in. pots, from 5 to 20 leaves, 10c per leaf.

*Cocos Weddelliana*, 3-in. pots, 18c to 20c.

*Nephrolepis Whitmanii*, Boston and Scottii, 4-in., 20c; Scholzei 4-in., 25c; 6-in., 40c.

*Begonia Gloire de Lorraine*, deep pink, 3-in., 20c; 4-in., 25c. *Begonia Lonsdale*, pale pink, 3-in., 20c; *Begonia Vernon*, pink and red, 4-in., 7c.

*Begonia Flambeau*, 6 in., 25c.

*Cannas*, Richard Wallace (best of the red), J. D. Eisele (also one of the new best reds), large 4-in., \$7.00 per 100.

*Scarlet Sage*, Clara Bedman, 4-in., 7c.

*Verbenas* and *Phlox Drummondii* and *Single Petunias*, in bloom, 3c.

*Double Petunias*, 4 in., in bloom (red or pink), 7c.

*Coleus*, Golden Bedder, Queen Victoria, 2½-in., 3c.

*Dusty Miller*, for edging, 3c.

*Lobelia*, blue, dwarf or trailing, 3c.

*Summer Chrysanthemums*, or *Paris Daisies*, *Acalypha* and *Nasturtiums* (dwarf), *Tradescantia*, *Ground Ivy* (variegated), 2½-in. pots, 3c.

*English Ivy*, 3 in., 5c.

Our well known *Moonvine*, 4-in., 10c; 2½-in., 5c.

*Primula Obconica*, best strain, 4 in., 10c; 5-in., in bloom, 15c.

*Double White Geraniums*, in bloom, also *Beaute de Poitevine*; *Lantanas*, *Heliotrope* and *Ageratum* (blue), 7c.

*Cosmos*, separate colors, 2½-in., \$3.00 per 100.

*Running Roses*, such as *Crimson Rambler*, *Dorothy Perkins*, *Lady Gay* 6-7 in., pot grown 35c, 40c and 50c.

We have an unsurpassed strain of *Solanum Multiflorum* (Jerusalem Cherries). Can offer only a limited quantity, 2½-in. pots, \$5.00 per 1000.

Cash with order, please.

All plants must travel at purchaser's risk.

## Jerusalem Cherries,

2-in. \$1.50 per 100.

*Feverfew*, 2-in., 2c; *Dusty Miller*, 2-in., 1½c;

*Cuphea*, 2-in. \$1.50 per 100; *Coleus*, 2-in., \$1.50 per 100.

*Maurandia*, 2-in., \$1.50 per 100; *Thunbergia*, 2-in., \$1.50 per 100; *Heliotrope*, 2-in., 1½c; *Zinnia*, Fireball, Marigold Eldorado, 2-in. \$1.25 per 100.

**ROOTED CUTTINGS**, prepaid: *Cuphea*, 75c per 100; *Coleus*, 10 kinds 60c per 100, \$5.00 per 1000;

*Alternanthera*, red, 50c per 100, \$4.50 per 1000;

*Ageratum*, 3 kinds 60c per 100; *Dbi. Petunias*, 10 kinds, \$1.00; *Stevia*, 75c per 100, \$6.00 per 1000.

Cash with order.

**BYER BROS.**, Chambersburg, Pa.

Mention the American Florist when writing

## ROSES

3-inch pots 100 1000  
Killarney. .... \$5.00 \$40 00

Owing to changes in our plans we have a few thousand specially prepared Killarneys in 3-inch pots to offer while they last at the above low prices. Writetoday.

**GEORGE REINBERG**

51 Wabash Avenue, CHICAGO.

Mention the American Florist when writing

## SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums  
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

**Wood Brothers**, FISHKILL, New York.  
Mention the American Florist when writing



# FLORISTS' 'MUMS

| EARLY              | From Pots |         |
|--------------------|-----------|---------|
|                    | 100       | 1000    |
| Clementine Tousey, | \$ 3 00   | \$25 00 |
| Comoleta,          | 4 00      | 30 00   |
| Gloria,            | 4 00      | 30 00   |
| Glory of Pacific,  | 3 00      | 25 00   |
| Ivory,             | 3 00      | 25 00   |
| Monrovia,          | 3 00      | 25 00   |
| Pacific Supreme,   | 3 00      | 25 00   |
| Polly Rose,        | 3 00      | 25 00   |
| October Frost,     | 3 00      | 25 00   |
| Pink Ivory,        | 3 00      | 25 00   |

| MIDSEASON          | From Pots |         |
|--------------------|-----------|---------|
|                    | 100       | 1000    |
| A. J. Balfour,     | \$ 3 00   | \$25 00 |
| Col. D. Appleton,  | 3 00      | 25 00   |
| Crocus,            | 3 00      | 25 00   |
| Dr. Enguehard,     | 3 00      | 25 00   |
| Mrs. W. E. Kelley, | 4 00      | 30 00   |
| Major Bonnaillon,  | 3 00      | 25 00   |

| LATE              | From Pots |         |
|-------------------|-----------|---------|
|                   | 100       | 1000    |
| Intensity,        | \$ 4 00   | \$30 00 |
| Nagoya,           | 4 00      | 30 00   |
| White Bonnaillon, | 3 00      | 25 00   |

**Elmer D. Smith & Co., ADRIAN, MICH.**

St. Louis.

TRADE DULL.

The weather during the past week was very warm and with it came the regular summer dullness. Everything was plentiful with the exception, perhaps, of first class stock, especially roses. Beauties came in soft and many of the blooms fell to pieces before becoming fully developed. Sweet peas are a positive glut; everybody has them and the demand is very slow. Prominent down-town stores not wishing to wipe out forever the fakir take up his dying cries and announce sweet peas five cents a bunch and carnations two dozen for a quarter. In former years the retailers cried out the fakir hurt their trade and now they follow the tracks of this much-abused individual. The grower is earnestly praying for fall and return of living prices; everybody wears a tired feeling, wholesalers and retailers alike. The poor commission man is trying to squeeze out all he can for his grower out of inferior stock and has to stand the kicks made by his retail customers, and the cry of the grower who has not realized much more than express out of his last shipment. Throwing out will soon start up and a more limited supply of mid-summer stock will steady and brace up the market.

## NOTES.

The Sanders Nursery baseball club will endeavor to humble the Bentzen Floral Co. and take the place of Young & Sons. The Sanders club is a strong aggregation and will make those Bentzen boys hustle. Young Bentzen and Young Sanders will be the respective catchers for their teams. Young Bentzen claims that Sanders' team won't be in it, but Sanders claims that the Bentzens will be a sorry bunch when they get through with them. The betting is even money. Don't forget, July 21, at Ramona park.

The Retail Florists' Association held a meeting June 20 at the Knights of Columbus hall. A full attendance was present. The members were unanimous in condemning the practice of those engaged in the wholesale busi-

## Special Offer of Cannas

|                                                   |                                 |
|---------------------------------------------------|---------------------------------|
| Burbank, Yellow, green leaved.....                | Strong plants from 2½-in. pots: |
| Chas. Henderson, Red, green leaved.....           |                                 |
| Egandale, Red, red leaved.....                    |                                 |
| Florence Vaughan, Yellow, green leaved.....       |                                 |
| Louisiana, Red, green leaved.....                 | Dozen.....                      |
| Leonard Vaughan, Red, bronzed leaved.....         | Per 100.....                    |
| Mme. Crozy, Red, green leaved.....                | \$0.70                          |
| Souv. d' A. Crozy, brighter than Mme. Crozy,..... | 4.00                            |
| King Humbert, Red, bronze leaved.....             | Strong plants from 2½-in. pots  |
| New York, Red, bronze leaved.....                 | Doz. \$1.25 Per 100 \$8.00      |

**VAUGHAN'S SEED STORE,**

**Chicago and New York.**

## Geraniums

Rooted Cuttings. Ricard, Poitevine and S. A. Nutt; Orders booked for delivery on or before Oct. 15th at \$10.00 per 1000.

### Smilax and Sprenger

Let me send you a sample. The Smilax is extra fine stock; Sprenger is good, but not large.

Smilax.....\$12.50 per 1000

Sprenger.....15.00 per 1000

HARDY PHLOX, rooted cuttings, in good assortment, mixed, at \$1.25 per 100. free by mail. Ready now.

GERMAN IRIS, good assortment, in mixture, ready in August, at \$2.00 per 100.

**ALBERT M. HERR,**

**Lancaster, Pa.**

ness doing any retail work or taking retail orders. Several other matters were talked over, especially those relating to the practice of "crepe chasing," as being against the best interests of the business.

Henry Ostertag is looking for a negro who offered an insult to his daughter, Helena, 15 years old; on June 18. Mr. Ostertag has offered a liberal reward for his arrest. Miss Helena was grabbed by the negro close to her home but struck him and was fortunately able to get away and reach her home.

W. J. & M. S. Vesey are shipping some extra fine white and pink carnations, also some good quality roses in Killarney and White Killarney.

Henry Ostertag will decorate the cars on the Frisco, that will carry the St. Louis contingent to the Jeffries and Johnson fight.

Last week was the first week of early closing by the wholesalers. They make it up coming down early in the morning.

Fred Pape has been a big buyer during the past week for heavy orders in funeral work.

Mr. Ellison of the Ellison Floral Co., will leave shortly for the season up in Michigan.

Mrs. Frances Kling, of Young & Sons, is going to take a trip to Atlantic City, N. J.

Geo. Angermueller and Charlie Schone will go on a fishing trip in a few days.

Henry Meyer, Sr., is still at the old stand and is a daily visitor to the market.

C. A. Kuehn is handling some of the best carnations seen in the city.

W. F.

### Kansas City.

STOCK PLENTIFUL, QUALITY FAIR.

Stock of nearly all kinds has been coming in very plentifully. Roses have been poor and move very slowly. Kaiserin holds up better than any

## A New Fern NEPHROLEPIS GIATRASHI

Awarded a Certificate of Merit by the Horticultural Society of New York.

Prices: In 2¼-inch pots, \$2.00 per dozen; \$12.00 per 100; \$100.00 per 1000. 25 plants at 100 rates; 250 plants at 1000 rates. Orders delivered in rotation as received. Now Ready for delivery,

**GEORGE GIATRASHI,**  
463 Summit Ave., West Hoboken, N. J.

## Ferns for Dishes...

Assorted varieties, 2¼-in. pots, \$3.50 per 100; \$30.00 per 1000. Cash with order.

**FRANK OECHSLIN**  
4911 Quincy St. CHICAGO.

## PALMS, FERNS AND Decorative Plants

**JOHN SCOTT,** Rutland Rd. & E. 45th St.  
BROOKLYN, N. Y.

other variety but the hot weather causes even this rose to open up quickly. Beauties are faded and almost unsalable. Carnations are of fair quality with a good demand for the better grades. Prices range from 75 cents to \$2.50 per 100. The outdoor flowers, such as sweet peas, gladioli and daisies, are excellent, but the demand is poor causing a great loss of stock. There is plenty of green goods, such as asparagus, smilax and hardy ferns.

### NOTES.

Samuel Murray, who has for a great many years occupied the building at 1017 Broadway will move about July 15 to 913 Grand avenue. He has been forced to move on account of the expiration of his lease but his new location opposite the postoffice and in the center of the office building district is a very desirable one and will no doubt prove much better than his present place.

Many of the retailers are now closing at 6 p. m. We cannot see why all do not follow this good example.

Work is progressing rapidly on the W. H. Hennfeld greenhouses. Two are being erected, each 20x100 feet.

MISSOURI.



## Cleveland

June weddings and school commencements are over, and summer dullness will soon be here, with its vacations and rest. The first six months of this year have been very good for growers and retailers from a financial standpoint; nearly all report having done good business and made some money. The peony season is about all over, and in this section was of rather short duration. Water lilies are beginning to come in now. A few calls for asters have been heard, but so far there is nothing doing in that flower. A few gladioli are coming in, but the demand is very limited. Roses and carnations are plentiful but all show the effects of several very warm weeks. Sweet peas are plentiful but of none too good quality. Greens are plentiful except ferns.

Society people witnessed one of the most beautifully appointed weddings at St. Pauls Episcopal church last Saturday at 4 o'clock that has ever been seen in this city. The occasion was the wedding of Miss Merian Norton, daughter of D. Z. Norton and wife, and Frederick White, son of R. C. White and wife. Nine arches extended across the chancel, eight of which were 13 feet, and the center arch being 20 feet, all covered with southern moss and Bermuda lilies. In the center of the large arch hung a wedding bell of daisies with a border of lilies. The bell was the same one used by the bride's mother at her wedding. At each side of the arch a broad hedge of lilies extended entirely across the church. The altar and altar railings were also decorated with lilies, while smilax showered the chandeliers and arched the doorways. A quantity of beautiful flowers decorated the house and a large tent erected on the lawn. One side of the living room was banked with cibotiums, a tall standard of Bermuda lilies gracing the arched window, while gold baskets filled with the lilies were artistically arranged about this room. White peonies adorned the hall, and the reception room was decorated with American Beauties. The bride's table was set in the large dining room and was the most stunning and effective table of its kind ever seen in this city. A large bell of white Spanish iris tied with white lace hung in the center, the room being canopied in white satin ribbon, and garlands of smilax hung with gold bells, all caught at the side with large bells.

In the center of the bride's table a large mat of Spanish and English iris and valley, from which the sprays extended out on table caught with Nile green satin ribbon and white lace. Associating the honeymoon which will be spent in motoring through Europe, an automobile of pink rambler roses holding a bride and groom driven by a Cupid as chauffeur graced the large buffet table at one end of the tent. Forty dainty white baskets filled with pink rambler roses were artistically arranged on the guests' tables. Smith and Fetters Co. had charge of the decorations.

## NOTES.

Kirchners report a very heavy funeral business, their automobile delivery alone enabling them to take care of it properly.

G. W. Mercer has moved across the street from his old stand, while he is erecting a fine brick block in its place.

The Jones-Russell Co.'s fiscal year ends June 30, and the firm reports a very prosperous year.

C. B.

# Extra Fine.... Rose Stock

## Ready to Ship.

|                      | 2½-in.  | 100     | 1000    |
|----------------------|---------|---------|---------|
| White Killarney..... | \$ 8.00 | \$75.00 |         |
| Pink ..              | 6.00    | 55.00   |         |
| White .. grafted     | 12.00   | 110.00  | \$15.00 |
| Pink ..              | 10.00   | 90.00   | 140.00  |
| My Maryland.....     | 6.00    | 55.00   | 8.00    |
| Kaiserin, ..         | 3.00    | 30.00   | 10.00   |
| Cardinal.....        |         |         | 90.00   |

|                              | 2½-in.  | 100     | 1000     |
|------------------------------|---------|---------|----------|
| Richmond, ..                 | \$ 5.00 | \$45.00 | \$ 7.00  |
| Perles, elegant stock        | 5.50    | 50.00   | 7.50     |
| American Beauties, 3-in..... |         | Per 100 | Per 1000 |
| American Beauties, 4-in..... |         | \$ 7.50 | \$ 70.00 |
|                              |         | 12.00   | 110.00   |

## CHRYSANTHEMUMS

100,000 2½-in. Mums of the Following Varieties.

Good strong stock, ready for benching:

|                      | 2½-in. | per 100 | per 1000 |
|----------------------|--------|---------|----------|
| <b>PINK.</b>         |        |         |          |
| Dr. Enguehard .....  | 3.00   |         | 25.00    |
| <b>RED.</b>          |        |         |          |
| Schrimpton.....      | 3.00   |         | 25.00    |
| Intensity.....       | 3.00   |         | 25.00    |
| <b>YELLOW.</b>       |        |         |          |
| Golden Glow.....     | 4.00   |         |          |
| Halliday.....        | 3.00   |         | 25.00    |
| Col. Appleton .....  | 3.00   |         | 25.00    |
| Major Bonafon.....   | 3.00   |         | 25.00    |
| Chautauqua Gold..... | 3.00   |         | 25.00    |

|                     | 2½-in. | per 100 | per 1000 |
|---------------------|--------|---------|----------|
| <b>WHITE.</b>       |        |         |          |
| Alice Byron.....    | \$3.00 |         | \$25.00  |
| Timothy Eaton.....  | 3.00   |         | 25.00    |
| W. H. Chadwick..... | 4.00   |         | 35.00    |

|                                       | 2½-in. | per 100 |
|---------------------------------------|--------|---------|
| <b>POMPONS.</b>                       |        |         |
| Baby, Klondyke, Zenobia yellow .....  | \$2.50 |         |
| Lulu, Diana, Baby Margaret white..... | 2.50   |         |
| Briola pink.....                      | 2.50   |         |
| Mrs. Beu. bronza .....                | 2.50   |         |
| Quinola, Garza .....                  | 2.50   |         |

## Special Offer—Big Bargain

This is the time to plant Oct. Frost and Monrovia.

|                              |                  |
|------------------------------|------------------|
| Monrovia, 2½-in .....        | \$20.00 per 1000 |
| Oct. Frost, 2½-in .....      | 20.00 per 1000   |
| Merry Christmas, 2½-in ..... | 20.00 per 1000   |

|                                |                  |
|--------------------------------|------------------|
| Roosevelt, 2½-in.....          | \$25.00 per 1000 |
| Virginia Fochlmann, 2½-in..... | 30.00 per 1000   |

Smilax, 3-in., \$4.50 per 100; \$40.00 per 1000.

**POEHLMANN BROS. CO.,** Morton Grove, Ill.

## Yonkers, N. Y.

The first annual June show of the Horticultural Society was held June 17 in the hall of Hollywood Inn. The exhibits consisted of pot plants, cut flowers, fruit and vegetables. All were very attractively arranged; the many varieties of flowers formed a symphony of color to greet the visitors' eye. Roses, orchids, sweet peas, peonies, flowering and foliage plants and herbaceous flowers formed the principal display. Strawberries, the big and delicious looking kind, composed the fruit exhibits, while the vegetables were many and fine. That it was a success there can be no doubt by the way the many visitors praised the various exhibits, and the society has great hopes of making even a greater success of the fall show, which is to be held November 1. During the evening Butler's orchestra added much to the enjoyment of the visitors with very fine music. The judging of the exhibits was by Robert Angus of Tarrytown, James Stuart and Thomas Aitchison of Mamaroneck. The following are the awards:

Group of foliage plants to cover 15 square feet of floor space, arranged for effect (donated by the Yonkers Nursery Co.)—S. P. Lillenthal Estate, H. Scott, gardener, first; O. E. Oppenheimer Estate, J. Goff, gardener, second.

Twelve hardy roses, three varieties, four of each (donated by Thompson & Brown).—General McAlpin, Ossining, J. Woodcock, gardener, first; Adolph Lewisohn, of Ardsly, J. Canning, gardener, second.

Six hardy roses, two varieties, three of each (donated by H. L. Twine).—Lillenthal Estate, first; H. Joseph Butler, second; R. E. Prime, third.

Twelve roses, one variety, any color (donated by Mr. Randolph).—General McAlpin, first; Mrs. T. H. Wheeler, H. Wells, gardener, second.

Collection of hardy roses in not less than 12 varieties.—General McAlpin, first, with 80 varieties; Mrs. J. B. Trevor, H. Nichols, gardener, second.

## Asparagus Sprengeri

100 seeds, 15c; 250 seeds, 25c.  
1000 seeds, 75c; 5000 seeds, \$3.25.

**Vaughan's Seed Store**  
Chicago and New York  
36 & 38 Randolph Street 25 Barclay Street

Collection of sweet peas in six varieties, 25 sprays of each (donated by Milton Peck).—Mrs. J. B. Trevor, first.

Three varieties of sweet peas, 50 sprays of each (donated by the Yonkers Decorating Co.).—Mrs. J. B. Trevor, first.

Collection of herbaceous flowers in not less than six varieties (donated by H. Bianchi).—Wm. Hebach, first.

Collection of flowering shrubs in not less than 12 varieties (donated by Lee Whitman).—Mrs. T. W. Wheeler, first.

Three varieties of peonies, six of each (donated by Mr. Taylor).—Adolph Lewishohn, first.

Specials were awarded as follows: Julius Roehrs Co., Rutherford, N. J., display of orchids; Scott Bros., Elmsford, display of roses; Yonkers Nursery Co., group of palms, cut flowers and flowering plants; Peter MacDonald, centerpiece of roses and lily of the valley and graduation basket of gladioli and carnations; Melilot, wedding decoration of palms and roses. (This occupied the entire stage and was one of the best specials.) Cochrane Estate, R. Cumming, gardener, display of foliage and flowering plants; W. Hebach, collection of cut annuals and roses; Lillenthal Estate, miscellaneous flowers and ripe tomatoes.

L. W.



### The Truth About the German Potash Law.

Among Germany's most important natural resources there are about 70 mines that furnish the world's supply of potash. At present these mines can supply more potash than the world is using, but not more than the world can use profitably, and not more than the world would be using if the farmers could buy potash as readily as they can buy other things. Under these conditions there is a tendency for some of the mines to try to get more than their share of the trade.

In the past the mines have entered into short-term arrangements to sell their products through a single company, organized and owned by the mines. Each mine has agreed to furnish a certain fraction of the world's demand to the selling company. This fraction was known as the quota of the mine. As new mines were developed, they were usually assigned a fair quota, but occasionally a new mine declined to sell in this way and sought to secure more than its fair share of the potash trade by selling independently and usually at slightly lower prices.

When the last selling agreement expired, three or four mines undertook to get contracts to supply the entire American potash trade, which is a little over one-fourth of the total potash trade of the world. Had they succeeded in filling their contracts they would, of course, have had much more than their fair share of business.

Most of the mines are owned by private stock companies, but a few of them are owned by the Prussian and other German states, not by the royal family, as has been erroneously stated in some American newspapers. Owing to the action of a few mines in trying to get more than their fair share of the business, the German government passed a law regulating the fraction or quota of the world's supply that each mine might sell, and providing that each mine should have a share in both the export and the home trade.

The law provides for a commission to enforce the law and lays a trifling tax on all the products of the mines, whether exported or used at home, to pay for the expenses of the commission. About half of this tax is to be used for publicity work to increase the potash trade, and the remainder is to be applied to meet the ordinary expenses of administration. This tax is not greater than the usual state fertilizer taxes in America, which range from 10 to 50 cents per ton, without regard to the value of the fertilizer. The German tax is fairer, however, in that it takes into account the amount of plant food in the different grades of potash compounds. The tax ranges from 16 cents per ton on kainit containing 12½ per cent potash, to 65 cents on muriate of potash. As one-half of this goes back for advertising expenses previously met by the mines, the only additional expense imposed by the new law is the trifling sum of from eight to 33 cents per ton. The tax is in no sense an export tax, but is paid on every pound of potash whether used in Germany or sent to other countries. There is in it no discrimination against America or any other country.

When we recall that the ocean freight rate on potash salts may vary as much as \$1 per ton in a single month without any increase in the cost of potash to the consumer, it is at once evident that this trifling tax for administration purposes will have no more to do with potash prices than the state tax on fertilizers in the

## I Am Disposing of the Florham Farms Collection of ORCHIDS

and can quote established plants of *Cattleya Trianae*, *Schroederae*, *Labiata*, in 5 to 8 in. pots, at \$2.00 per plant.

*Cypripedium Lecanum*, in pans, from 5 to 8 in., 50c to \$3.00 each.

**CHARLES H. TOTTY, Madison, N. J.**

## Orchids



Arrived: *Cattleya Trianae* C. Gaskelliana. *Oncidium varicosum*, *O. crispum*, *O. Forbesii*, *O. Harrisonianum*, *Miltonia cuneata*, *Odontoglossum grande*; *Laelias* *purpurata*, *grandis* *tenebrosa* and *flava*.

**Lager & Hurrell Summit, N. J.**

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## ORCHIDS

Just Arrived in fine condition: *Oncidium varicosum* *Rogersii*, *O. Marshallianum*, *O. Forbesii*, *Laelia Purpurata*, *L. Cinnabarina*, *Cattleya Citrina*, *Odontoglossum Grande*.

**CARILLO & BALDWIN, Mamaronek, N. Y.**

## ORCHIDS...

Largest Importers, Exporters, Growers, and Hybridists in the World.

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NEW YORK OFFICE: 258 Broadway, Room 721.  
T. MELLSTROM, Agent.

United States has to do with the selling price of our common fertilizers.

The law, contrary to the general belief, does not require the formation of a selling company or syndicate. Each mine is free to sell its share of export and domestic as it sees fit, but it must not sell for export at a less price than is charged to German buyers. There is certainly nothing in this to give the American farmer who buys potash any cause for alarm. Why, then, has our state department been urged to protest so vigorously against the passage of this law? Why have we been told that the law means we must pay \$20 more per ton for all our potash salts? The law provides that if any mine shall sell more than its assigned fair share it must pay on the excess over its lawful share a much higher tax, ranging from about \$2.70-\$19.50 per ton. This will, of course, serve to restrict the mines to the legal quota of each. But there is no intention of restricting the total production of potash. On the other hand, the publicity provisions are intended to increase the consumption.

The American fertilizer companies sought to get control of all the potash coming to America. They failed to do it. They never intended that the farmer should get potash salts direct from them, and they insisted that the Germans should sell only to these companies, and that the German kali works, which is the American company representing the potash mines, should cease to sell to mixers, dealers and farmers.

The German kali works was organized for the purpose of getting potash to the farmers, local dealers and mix-

## Orchids

## Just Arrived

In Splendid Order

*Cattleya Trianae*, *Cattleya Bowringiana*, *Cattleya Schroederæ*, *Mendelii* and *Gigas Sanderiana*.

Also *Laelia Anceps* and *Albida*.

These plants are fresh collected and in splendid order.

A few *Laelia Anceps Alba*, \$2.50 each.

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FALL RIVER MASS.

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## White Helen Frick

The Best and Only Late White Mum.

Fine stock from 2½-inch pots

\$6.00 per 100, \$59.00 per 1000, 250 at 1000 rate.

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## Asparagus Plumosus

Strong 2-in. pots, \$2.25 per 100. \$20.00 per 1000.

## ROSES

Brides, Maids and Richmonds. Clean, extra strong, 2½-in., \$3.00 per 100 or will exchange for White Killarney at market rates.

**W. W. COLES, Kokomo, Ind.**

ers at fair prices. It is a matter of indifference to them whether they sell it direct to these three classes or whether their offers cause the fer-



## TRADE LIST

**Clematis**, *paniculata*, strong plants, \$10.00 per 100;

**Passiflora** *coerulea*, 3-in. pots \$5.00 per 100.

**Rose Geraniums**, 3-in. pots, \$4.00 per 100.

**Honeysuckle**, *Woodbine*, 4-in. pots, \$1.50 per doz.

Plants from 2½-in. pots, \$3.00 per 100;

**Achyranthes**, *Parlor Ivy*, *Ageratum*, blue;  
**Coleus**, *Verschaffeltii* *Queen Victoria* Quad-  
ricolor; **Impatiens** *Holstii*; **Alternantheras**,  
4 varieties; **Chrysanthemums**, *White Cloud*,  
*Pacific Supreme*, *Golden Glow*, *Ivory*, *Bailey*,  
*Klondike*, *Lulu*.

**Asparagus Sprengerii**, 2-in. pots, \$2.00 per 100; 2½-in. pots, \$3.00 per 100.

**Salvia**, *Bonfire*, 3-in. pots, \$4.00 per 100.

**Moonvine**, white, 3-in. pots, \$5.00 per 100.

**Begonia Vernon** in bloom, 3-in. pots, \$5.00 per 100.

**Asparagus Sprengerii**, strong plants from 3-in. pots, \$5.00 per 100.

**Clematis vitalba**, strong transplanted seedlings, \$1.00 per 100, \$8.00 per 1000. This is one of the fastest growing vines, covered with long sprays of sweet-scented white flowers the whole summer.

**C. EISELE,**

11th and Westmoreland Sts. Philadelphia, Pa.

tilizer manufacturers to sell it to them at fair prices. The fertilizer manufacturers do not want the farmers to secure potash except in the form of mixed goods containing about 98 pounds of phosphate and filler to about two pounds of potash salts. Home mixing gives the fertilizer manufacturer nervous chills. It means the farmer may buy raw material, compound his filler-free fertilizer at a marked saving, and, worst of all, he will begin to figure on the money he has been paying out for filler and freight on it, not a penny of which was of any value in increasing his crop.

The American fertilizer manufacturers have claimed for years that they sought uniform prices for potash rather than low prices. The new law gives every buyer the same price. But their strenuous objections prove what many already knew, that the large manufacturer does not want the mixer, local dealer or farmer to buy potash at all except in the form of filler-loaded mixtures which place the cost of plant food much higher than it can be sold for in raw materials.—Country Gentleman.

### Chicago Notes.

Bassett & Washburn have long been famed for the high quality of their summer roses, which are grown in solid beds on purpose for the hot weather trade. Kaiserin, American Beauty, Rhea Reid and My Maryland are the specialties this year and the quality of the flowers now coming in is such as will enhance the reputation of the firm. Several shipments are made every day, thus insuring the stock being always in fresh condition.

Sam Murray, of Kansas City, Mo., has been in the city this week looking up fixtures for his new store at 913 Grand avenue. Mr. Murray has been connected with the old location for 21 years. He went from St. Joseph, Mo., and was secretary of the Probst Floral Co. until about 14 years ago, when he took the business in his own name and has run it successfully since. He reports business as very good.

John and Charles Marks, 4827 Warwick avenue, have recently built a new greenhouse, 25x150 feet. Dan Gates, 2628 Winona street, had charge of the work. The new house, includ-



## Chrysanthemum Cuttings

Now booking orders for June delivery.

| WHITE              |        | Per 100 | 1000 |
|--------------------|--------|---------|------|
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| Wanamaker.....     | 2 00   | 15 00   |      |
| White Cloud.....   | 2 00   | 15 00   |      |
| YELLOW             |        | Per 100 | 1000 |
| Monrovia.....      | 2 00   | 15 00   |      |
| Oct. Sunshine..... | 2 00   | 15 00   |      |
| Appleton.....      | 2 00   | 15 00   |      |
| Y. Eaton.....      | 2 50   | 20 00   |      |
| Halliday.....      | 2 00   | 15 00   |      |

**J. D. THOMPSON CARNATION CO.,**  
JOLIET, ILL.

ing boiler and stack, cost them \$2,300. Wm. Marks, who runs the florist department at Wiebold's, Milwaukee avenue, reports business very quiet.

F. W. Timme, 4016 North Forty-second court, has sold his entire stock of pot plants. The only plants he has on hand are the asters, which have been planted outside. Mr. Timme has been helping about the houses this spring, having recovered somewhat from his recent illness.

Wm. Michie on Tuesday left for Ardsley, N. Y., where he will spend the next month visiting his friends and relatives. Mr. Michie has resigned his position as gardener at Riverside park, where he has been in charge for the past four years.

M. Winandy & Son are building seven new greenhouses for Paul Thell, Pingree street. Work will be completed about July 15. The contract calls for \$8,500. Mr. Winandy stated that there will be 10,000 square feet of glass in the new houses.

Newton Badger, formerly with Crabb & Hunter, Grand Rapids, Mich., is now in the employ of Peter Reinberg, having charge of an American Beauty section. Mr. Badger resigned his position with Crabb & Hunter on account of illness.

Theodore Fehrmann, North Forty-ninth avenue, recently completed the erection of a new house, 27x200 feet. Mr. Fehrmann had charge of the work himself and the new house cost him \$2,260 complete.

S. Serafino has leased the J. F. Potocka place, 3442 Lowell avenue. He reports business very good and is now busy with the outside stock.

Teofil Grobowski, 4523 Addison street, has been enlarging his greenhouses from year to year and now has about 1,500 feet of glass.

Anton Belmont, 3706 W. Twenty-sixth street, intends to build a new greenhouse in the near future at Brookfield.

At the J. B. Deamud Co.'s store fine peonies are now being shown, also

## CALLA LILY BULBS

Prices quoted for July delivery.

## Narcissus Bulbs

Write for wholesale price list.

Planting stock of

**America Gladiolus Bulblets**

at \$3.50 per 1000, postpaid.

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## A FEW GOOD THINGS YOU WANT.

**Rex Begonia**, 2-in. \$5.00 per 100.

**Geraniums**, *Nutt*, *Perkins*, *Grant*, *La Favorite*.

**R. C.**, \$1.25; 2-in. pots, \$2.00; 3-in., \$4.00 per 100; **Viaud**, *Castellane*, *Poitevine*, *Jaulin*.

**Ricard**, *Buchner*, *R. C.*, \$1.50; 2-in. pots, \$2.50; 3-in., \$5.00 per 100.

**Asparagus Plumosus**, 2-in., \$3.00 per 100; 3-in., \$5.00 per 100. Cut fronds 25c per bunch.

**Wilmant Ferns** 4-in. 25c each.

**Vinca Var.**, 2-in. \$2.00 per 100.

**Roses**, *Bride*, *Maids and Gates*, 3 in., \$5.00 per 100.

**Dracena Ind.**, 4-in., \$10.00 per 100.

**Coleus** and *Alternanthera*, red and yellow; *Verbenas*, *Heliotrope*, *Cigar Plant*, *Scarlet Sage*, *Zurich*, always in bloom, 2-in., \$2.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order

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**American Beauty**, 3-in. .... 8.00 75.00

3½-in. .... 9.00

**Bridesmaid**, 3 in. .... 4.00 35.00

All fine stock. Cash with order unless known.

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MURRAY HILL, N. J.

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carnations of exceptional quality for the season.

J. A. Mendel, 1424 West Twelfth street, on Thursday shipped two bay trees and two cases of ferns to Homestead, Pa.

Miss Mayme Welter, daughter of N. K. Welter, of Evanston, was married to John Remick, June 29.

J. A. Then, son of Anton Then, is to be married to Miss Johanna Handt.

According to custom all wholesalers will close at 5 p. m. after July 5.

Visitors: J. P. Jorgensen, of the Donaldson greenhouses, Minneapolis, Minn.; Lincoln Coles and wife, Kokomo, Ind.; E. J. Lemke, son of E. F. Lemke, St. Paul; S. Murray, Kansas City, Mo.; Harry Fisher, of the H. A. Fisher Co., Kalamazoo, Mich.

EAU CLAIRE, WIS.—Otto Demmler will sail for Europe July 13 on a business and pleasure trip.



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Yours very truly

ROBERT SCOTT & SON, (Signed)  
Alexander B. Scott.

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## ALTERNANTHERAS.

Alternantheras, strong rooted cuttings. P. major, red, 50c per 100; \$4 per 1,000. A. nana, yellow, 50c per 100; \$4 per 1,000; Brilliantissima, best red, 60c per 100; \$5 per 1,000. R. R. Davis & Co., Morrison, Ill.

Alternantheras, red and yellow, \$2 per 100. Jos. H. Cunningham, Delaware, O.

Alternantheras, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

## ASPARAGUS.

Asparagus Sprenger, 2½-in. pots, fine stock, \$2.25 per 100; \$20 per 1,000. The Good & Reese Co., Largest Rose Growers in the World, Springfield, O.

Asparagus Sprenger, 2-in., \$3 per 100; 2½-in., \$6. Plumosus, 2-in., \$3; 3-in., \$7. D. U. Augspurger & Sons Co., Box 394, Peoria, Ill.

Asparagus Sprenger, 2-in., \$2 per 100; 2½-in., \$3; 3-in., \$5. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

ASPARAGUS SPRENGER, extra heavy, 2½-in., \$4 per 100. Wagner Park Conservatories, Sidney, Ohio.

Asparagus plumosus, 2½-in., \$2 per 100. Sprenger, 2½-in., \$2. Jos. H. Cunningham, Delaware, O.

Asparagus Sprenger, 4-in., 9c each. Mosbaek Greenhouse Co., Onarga, Ill.

Asparagus Sprenger, \$15 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus Sprenger, 2½-in., \$2 per 100; 200 for \$5. J. C. Schmidt, Bristol, Pa.

Asparagus Sprenger, 3-in., \$4 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus plumosus, 2-in., \$2.25 per 100; \$20 per 1,000. W. W. Coles, Kokomo, Ind.

## ASTERS.

Asters. Extra fine stock in choice varieties, 2-in., \$2 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Asters, Cremo, Semples, purple and lavender, 50c per 100; \$2.50 per 1,000. A. & G. Rosbach, Pemberton, N. J.

## AUCUBAS.

Aucubas. Bobbink & Atkins, Rutherford, N. J.

## AZALEAS.

Azaleas. Jacs Smits, Naarden, Holland.

## BAY TREES

Bay trees. For prices and sizes, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago & New York.

BAY TREES, all sizes of best quality. Write for prices. Wagner Park Conservatories, Sidney, Ohio.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

## BEDDING PLANTS.

Bedding plants: Asters, Semple's Branching, Queen of the Market, from field, \$1.75 per 1,000. Geraniums, heliotrope, scarlet sage, 4-in., \$4 per 100. Alyssum, verbenas, Dusty Miller, phlox, Primula obconica, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Bedding plants: Coleus, G. Bedder, Verschaffeltii, 3-in., \$3 per 100; \$25 per 1,000; 2-in., \$2 per 100; \$17.50 per 1,000; in variety, 2-in., \$2 per 100; \$17.50 per 1,000. Cineraria maritima candidissima, 3-in., \$3 per 100; \$25 per 1,000; 2-in., \$2 per 100; \$17.50 per 1,000. Cannas, Eisele, Egandale, Louisiana, F. Vaughan, etc., 3-in., \$3 per 100; \$25 per 1,000. Alyssum, giant dbl., 2-in., \$2 per 100; \$17.50 per 1,000. Alternantheras, red and yel., 2-in., \$2 per 100; \$17.50 per 1,000; Abutilon Savitzi, 2-in., \$3 per 100; \$25 per 1,000. Lemon verbenas, 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Bedding plants: Geraniums, 2-in., Nutt. Vland, \$2.50 per 100; 3-in., \$4.50; 4-in., \$6. Dbl. petunias, 2½-in., \$2.50. Ageratum, 2-in., \$2. Heliotrope, 2-in., \$2. Alyssum, 2½-in., \$2. Lantanas, 2-in., \$2.50. Centaurea gym., 2½-in., \$2.50. Coleus, 2-in., \$2. Moonvines, 2-in., \$2.50; 2½-in., \$3. Feverfew, 2-in., \$2. Rose geraniums, 2-in., \$2. Salteroi, 2-in., \$2. Dracena indivisa, 2-in., \$3. Cyclamen, 3-in., \$3. Salvia, 2½-in., \$2.50; 1½-in., \$2. Fuchsia, 2-in., \$3; 3-in., \$6. D. U. Augspurger & Sons Co., Box 394, Peoria, Ill.

Bedding plants: Feverfew, 2-in., 2c; Dusty Miller, 2-in., 1½c. Cuphea, 2-in., \$1.50 per 100. Coleus, 2-in., \$1.50 per 100, Maurandia, 2-in., \$1.50. Thunbergia, 2-in., \$1.50 per 100. Heliotrope, 2-in., 1½c. Zinnia Fireball, Marigold Eldorado, 2-in., \$1.25 per 100. Jerusalem cherries, 2-in., \$1.50 per 100. Rooted cuttings, prepaid: Cuphea, 75c per 100. Coleus, 60c per 100; \$5 per 1,000. Alternantheras, 50c per 100; \$4.50 per 1,000. Ageratum, 60c. Dbl. petunias, \$1. Stevia, 75c per 100; \$6 per 1,000. Byer Bros., Chambersburg, Pa.

Bedding plants: Rose geraniums, 3-in., \$4 per 100; Honeysuckles, Woodbine, 4-in., \$1.50 per doz. Plants from 2½-in., \$3 per 100. Achyranthos, parlor ivy, ageratum, coleus, Impatiens Holstii, Alternantheras, Chrysanthemums, Salvia Bonfire, 3-in., \$4 per 100. Moonvine, 3-in., \$5. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

## BEGONIAS.

Begonia Lorraine and Agatha, 2½-in., twice transplanted, \$12 per 100; in 500 lots, \$50 the 500. Julius Roehrs Co., Rutherford, N. J.

Begonia Gloire de Lorraine and Agatha, \$15 per 100; \$140 per 1,000. Turnford Hall, \$20 per 100. Pres. Taft, \$20 per 100. J. A. Peterson, Westwood, Cincinnati, O.

Rex Begonias, 2-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

## BOXWOOD.

Box trees. For prices and sizes, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Box trees, all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

## BULBS.

Bulbs, Caladium esculentum, 5-7 ins., 35c per doz.; \$2 per 100; \$15 per 1,000; 7-9 ins., 50c per doz.; \$3 per 100; \$25 per 1,000; 12 ins. and up, \$1.75 per doz.; \$14 per 100. Gladiolus, Vaughan's Florists mixture, \$1.75 per 100; \$15 per 1,000. Good mixture, 90 cents per 100; \$7 per 1,000. Vaughan's Seed Store, Chicago and New York.

Bulbs, Harrisii and Formosum lilies, hyacinths, Paper White narcissus. J. M. Thornburn & Co., 33 Barclay St., New York.

Gladiolus Alice Carey, the best white in cultivation, No. 1 bulbs, \$5 per 100 \$40 per 1,000. America, No. 1, \$4 per 100; \$30 per 1,000. Golden Nugget, best bright yellow, \$1.50 per doz.; \$10 per 100. Princeps, \$1.25 per doz.; \$8 per 100. List free. E. Y. Teas Co., Centerville, Ind.

Bulbs, Gladiolus, Brenchleyensis, May, Ceres, Isaac Buchanan, Pactoli, La Marck, Cinnamon vines, lilies, iris, oxalis. E. S. Miller, Wading River, L. I., N. Y.

Bulbs, Lillium longiflorum multi, 7-9, \$50 per 1,000. Giganteum, 7-9, \$65. Formosum, 7-9, \$65. Buds. 76 Barclay St., New York.

Bulbs, calla lily and narcissus. America gladiolus bulblets, \$3.50 per 1,000. Leedham Bulb Co., Santa Cruz, Calif.

Bulbs, freesias, Bermuda white, ½ to ¾ ins., \$9 per 1,000; ¾ to 1½ in., \$7.50. Vaughan's Seed Store, Chicago and New York.

Chinese sacred lilies, \$3 per 100; \$25 per 1,000. Dingee & Conard Co., West Grove, Pa.

Bulbs, French, hyacinths, narcissus, freesia, Soleillet, Horticulteur, Toulon, France.

Bulbs, all florists' varieties. H. E. Fliske Seed Co., Faneuil Hall Square, Boston.

Bulbs, Callas. Berrydale Exp. Gardens, Holland, Mich.

## CANNAS.

Cannas, Burbank, Henderson, Egandale, F. Vaughan, Louisiana, L. Vaughan, Mme. Crozy, Souv. d'A. Crozy, 2½-in., 70c per doz.; \$4 per 100. King Humbert, New York, 2½-in., \$1.25 per doz.; \$8 per 100. Vaughan's Seed Store, Chicago and New York.

## CACTI.

Cacti. Over 100 varieties of cacti, from \$7 per 100 up. Write for 28-page catalogue, and prices to the trade. Also Mexican Resurrection plants. The Francis E. Lester Company, Dept. 6, Mesilla Park, N. M.

## CARNATIONS.

Carnation Scarlet Glow, 2-in., \$12 per 100; \$100 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, Conquest, Sangamo, Mary Tolman, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., Joliet, Ill.

Carnations. Wood Bros., Fishkill, N. Y.

## CHRYSANTHEMUMS.

Chrysanthemums, rooted cuttings. White—Baby Margaret, Touset, Estelle, A. Byron, Timothy Eaton, J. Nonin, Ivory, Desjouis. Pink—Amorita (very early), Glory of the Pacific, M. Dean, Mary Mann, Rosette, P. Ivory. Yellow—Golden Glow (very early), M. Bonaffon, Y. Eaton, Cremona, Robt. Halliday, Golden Eagle, Yellow Jones, Golden Baby. Send for price list. Wm. Swayne, P. O. Box 215, Kennett Square, Pa.

THE BIG LEADERS. Pres. Taft (glistening curly white); Gloria (the Enchantress); Mrs. W. E. Kelley (yellow); also the Xmas dollar makers, J. Rosette and Golden Chadwick, plants, \$4; R. C., \$3. Frost, Early Snow, Touset, B. May, Nonin, Shaw, Enguehard, plants, \$2.50; R. C., \$1.50. Prime stock, guaranteed. Cash only. The Union City Greenhouses, Union City, Pa.

Chrysanthemums, Oct. Frost, Touset, Wanamaker, W. Cloud, Monrovia, Oct. Sunshine, Appleton, Halliday, \$2 per 100; \$15 per 1,000. Eaton, \$2.50 per 100; \$20 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Chrysanthemums. We have 75 varieties, including singles and pompons, \$15 per 1,000. "Enough Sed." Ehman's, Corfu, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It



## CHRYSANTHEMUMS.

| Rooted Cuttings.      | R. C. out of soil.           |
|-----------------------|------------------------------|
| White. Per 100        | White. Per 100               |
| Oct. Frost.....\$1.50 | Oct. Frost.....\$2.00        |
| Snow Queen.....2.00   | W. Bonnafton... 2.00         |
| W. Bonnafton... 2.00  | W. Ivory..... 2.00           |
| W. Ivory..... 1.50    | M. Xmas..... 2.00            |
| Yellow..... 2.50      | Snow Queen... 2.50           |
| G. Glow..... 2.50     | Yellow..... 2.00             |
| Monrovia..... 1.50    | Bonnafton..... 2.00          |
| R. Halliday... 2.00   | R. Halliday... 2.50          |
| Bonnafton..... 1.50   | G. Beauty..... 2.50          |
| G. Beauty..... 2.00   | G. Glow..... 4.00            |
| Pink..... 2.00        | Pink..... 2.00               |
| P. Ivory..... 1.50    | P. Ivory..... 2.00           |
| Balfour..... 2.00     | Red..... 2.00                |
| Rosiére..... 1.50     | B. Hawk..... 2.00            |
| Gloria..... 3.00      | 2-inch pots.                 |
| Dr. Enguehard 1.50    | R. Halliday... 3.00          |
| Red..... 3.00         | Snow Queen... 3.00           |
| B. Hawk..... 1.50     | Souv. de Scandalaris... 3.00 |

## TOPPED PLANTS FOR POT CULTURE.

|                     |                    |
|---------------------|--------------------|
| W. Ivory.....\$2.00 | Rosiére.....\$2.00 |
| Oct. Frost.....2.00 | P. Ivory.....2.00  |
| W. Bonnafton...2.00 | W. Chadwick...2.00 |
| M. Xmas.....2.00    | G. Beauty.....2.00 |
| Bonnafton.....2.00  | B. Hawk.....2.00   |
| G. Glow.....2.00    | Intensity.....2.00 |

## 2-IN. POT POMPONS.

|                          |
|--------------------------|
| Baby Margaret.....\$3.00 |
| Baby.....3.00            |
| Klondike.....3.00        |
| Lulu.....3.00            |

## WIETOR BROS.

51 Wabash Ave. Chicago.

## CHRYSANTHEMUMS.

Extra fine stock of the following varieties:

| WHITE.              | 2½-in. | per 1,000 |
|---------------------|--------|-----------|
| Alice Byron.....    | 3.00   | 25.00     |
| Timothy Eaton.....  | 3.00   | 25.00     |
| W. H. Chadwick..... | 4.00   | 35.00     |

## YELLOW.

|                      |      |       |
|----------------------|------|-------|
| Golden Glow.....     | 4.00 | ..... |
| Halliday.....        | 3.00 | 25.00 |
| Col. Appleton.....   | 3.00 | 25.00 |
| Major Bonnafton..... | 3.00 | 25.00 |
| Chautauqua Gold..... | 3.00 | 25.00 |

## RED.

|                 |      |       |
|-----------------|------|-------|
| Schrimpton..... | 3.00 | 25.00 |
| Intensity.....  | 3.00 | 25.00 |

## PINK.

|                    |      |       |
|--------------------|------|-------|
| Dr. Enguehard..... | 3.00 | 25.00 |
|--------------------|------|-------|

## SPECIAL OFFER—BIG BARGAIN.

This is the time to plant Oct. Frost and Monrovia.

|                                |         |           |
|--------------------------------|---------|-----------|
| Monrovia, 2½-in.....           | \$20.00 | per 1,000 |
| Oct. Frost, 2½-in.....         | 20.00   | per 1,000 |
| Merry Christmas, 2½-in.....    | 20.00   | per 1,000 |
| Roosevelt, 2½-in.....          | 25.00   | per 1,000 |
| Virginia Poehlmann, 2½-in..... | 30.00   | per 1,000 |

POMPONS, 2½-in., \$2.50 per 100. Baby Klondike, Zenobia, Lulu, Diana, Briola, Mrs. Beu, Quinola, Garza, Baby Marguerite.

POEHLMANN BROS. CO., Morton Grove, Ill.

White Helen Frick, 2½-in., \$6 per 100; \$50 per 1,000. Henry Eichholz, Waynesboro, Pa.

Chrysanthemums. For varieties and prices see advertisement on page 1118. Elmer D. Smith &amp; Co., Adrian, Mich.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

Chrysanthemum novelties. Charles H. Totty, Madison, N. J.

## CLEMATIS.

Clematis paniculata, \$10 per 100; 3-in., \$5. C. Elsiele, 11th and Westmoreland Sts., Philadelphia.

Clematis paniculata seedlings from pots for lining out, \$3 per 100. E. Y. Teas, Centerville, Ind.

Clematis paniculata, field-grown, 1-yr., 5c; 2-yr., 8c. Dingee &amp; Conard Co., W. Grove, Pa.

## COLEUSES.

Coleus, Golden Bedder, 2½-in., 2c. J. S. Hennon &amp; Son, Wampum, Pa.

Coleus, 2½-in., \$1.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Coleus, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Coleus from sand, \$6 per 1,000. E. G. Hill Co., Richmond, Ind.

## CYCLAMENS.

Cyclamen, from 2-in. pots, Stoldt's unrivalled strain, 5 separate colors or mixed, 4c. Snow Queen, the finest fringed white, 6c. J. L. Schiller, Toledo, O.

Cyclamens, finest stock in separate colors, 3½-in. pots, \$10 per 100. Julius Roehrs Co., Rutherford, N. J.

## DAHLIAS.

Dahlia Earl of Pembroke, \$4 per 100; field-grown, undivided roots. Order today. Wagner Park Conservatories, Sidney, O.

Dahlias, Pape &amp; Bergman, Quedlinburg, Germany.

## DRACENAS.

Dracena indivisa, 1-year, strong, bench grown, transplanted in Sept. \$1.50 per 100; \$12 per 1,000. Cash E. Fryer, Johnstown, Pa.

Dracena indivisa, 4-in., \$10 per 100. C. Elsiele, 11th and Westmoreland St., Philadelphia.

Dracena indivisa, 4-in., \$10 per 100. Geo. M. Emmans, Newton, N. J.

Dracenas. Bobbink &amp; Atkins, Rutherford, N. J.

## FERNS.

Over million and a half of Fern Seedlings. Strong, healthy stock now ready for potting. Assortment of 15 best varieties for fern dish filling, my selection, \$1 per 100; \$9.50 per 1,000; \$3.50 per 1,000 in 25,000 and \$8 per 1,000 in 50,000 lots. Small orders of 100 and 200 can be sent by mail if desired and postage of 10c per 100 is remitted. Satisfaction and safe arrival guaranteed or money refunded. Cibotium Schiedei, 2-in., \$3.25 per doz.; \$25 per 100; \$240 per 1,000; 5-in., \$1 and 6-in., \$1.75 each. Adiantum cuneatum, best maidenhair fern for cut fronds, 2½-in., \$3.50 per 100; \$30 per 1,000. Adiantum Farleyense, 2-in., \$1.30 per doz.; \$10 per 100. Assorted ferns for fern dishes, 2½-in., \$3 per 100; \$25 per 1,000. J. F. ANDERSON, Fern Specialist, Short Hills, N. J.

Ferns, Boston, 12-in., \$5 to \$7.50 each; 6-in., 50c. Elegantissima Improved, 2½-in., \$10 per 100; 4-in., 25c each; 6-in., 50c. Superbissima, 4-in., 25c each; 6-in., 50c; 8-in., \$1. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Fern Scholzeli; 4-in., 25c. Scottii, Whitmani, Boston, 4-in., 20c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns for dishes, asst., 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

Ferns, Whitmani, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Nephrolepis. H. H. Barrows & Son, Whitman, Mass.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Boston and Piersoni, 3-in., 8c each. Mosbaek Greenhouse Co., Onarga, Ill.

## FEVERFEW.

Feverfew, 2½-in., \$1.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Feverfew, dbl. white, \$1 per 100; \$9 per 1,000. S. W. Carey, Urbana, O.

## GERANIUMS.

Geraniums, strong, 2-in. stock, Heteranthe, Nutt, Jean Viaud, La Favorite, L'Aube, Hill, \$2 per 100; \$18 per 1,000. Our selection, \$17 per 1,000. Pamela, \$4 per 100. Anastasie Lecadre, \$3 per 100. Red Wing, the best novelty of the season, 25c each; \$2.50 per doz. Write for geranium catalogue. F. H. DeWitt & Co., Wooster, Ohio.

Geraniums, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Viaud, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$5 per 100. Mme. Sallerol, 2-in., \$3 per 100. G. M. Emmans, Newton, N. J.

SPECIAL OFFER, 15,000 Jean Viaud, from 2½-in. pots, stock strictly first-class; immediate delivery, \$1.50 per 100; \$14 per 1,000. Cash. The W. T. Buckley Co., Springfield, Ill.

Geraniums, standard varieties, 2½-in., 2½c; 4-in., 8c. La Favorite, 3-in., 5c; 4-in., 7c. Mosbaek Greenhouse Co., Onarga, Ill.

Geranium Mme. Sallerol, 2½-in., \$3 per 100. J. S. Hennon & Son, Wampum, Pa.

Geraniums, Ricard, Poitevine, Nutt, R. C., \$10 per 1,000. A. M. Herr, Lancaster, Pa.

Rose scented geraniums, \$1 per 100; \$9 per 1,000. S. W. Carey, Urbana, O.

## GREENS.

Greens, fancy and dagger ferns, \$1.25 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large bales, \$1.25; Leucothoe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch, 50 lbs., \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, dagger and fancy ferns, \$1 per 1,000. Bronze and green galax, \$1 per 1,000. Leucothoe sprays, \$1 per 100; \$7.50 per 1,000. Southern wild smilax, branch laurel, laurel festooning, green and sphagnum moss, boxwood sprays. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, southern wild smilax, Log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 33 W. 23th St., New York.

Greens, cut palmetto and cycas leaves, galax, leucothoe, ferns, mosses, etc., Kervan Co., 113 W. 23th St. New York.

## HARDY PLANTS.

Hardy phlox, R. C., \$1.25 per 100. German iris, \$2 per 100. A. M. Herr, Lancaster, Pa.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

## HELIOTROPES.

Heliotrope, Miss Bernice, 2½-in., \$8 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Heliotrope, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Heliotrope, 2½-in., \$2 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

## HOLLYHOCKS.

Hollyhocks, assorted, 2½-in., 3c. Mosbaek Greenhouse Co., Onarga, Ill.

## HYDRANGEAS.

Hydrangea, Arborescens Grandiflora Alos. We have the largest stock of strong 2 and 3-year-old plants in America, at attractive prices. Inspection of stock desired. E. Y. Teas, Centerville, Ind.

Hydrangeas paniculata grandi, 18 to 24 ins., 6c; 2 to 3 ft., 9c. Dingee & Conard Co., West Grove, Pa.

## LILACS.

Lilacs, Jacs Smits, Naarden, Holland.

## LILY OF THE VALLEY.

## To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

## From Storage.

Lily of the valley, cold storage, \$12.50 per 1,000. Buds, 76 Barclay St., New York.

## LOBELIA.

Lobelias, Speciosa and Bedding Queen, 2½-in., \$1.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Blue lobelia, \$1 per 100; \$9 per 1,000. S. W. Carey, Urbana, O.

## MYOSOTIS.

Myosotis, early flowering, 3-in., \$2 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

## MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

Mushroom Spawn. Sure crop, \$8 per 100 lbs. Weeber & Don, 114 Chambers St., N. Y.

## NURSERY STOCK.

Nursery stock, evergreens, shade and ornamental trees, shrubs, vines, trained dwarf and standard fruit trees, grape vines, small fruits. Bobbink & Atkins, Rutherford, N. J.

If You Do Not Find What You Need In Our Ready Reference Department, Write Us About It.



Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. **Jacs Smits, Ltd., Naarden, Holland.**

Nursery stock, conifers, boxwoods, azaleas, rhododendrons, forest and fruit trees, hedge plants, etc. **S. A. Vosters & Sons, Riel, Holland.**

Nursery stock. Clematis, ampelopsis, tree hydrangeas, lilacs, shrubs, vines and perennials. **Jackson & Perkins, Newark, N. Y.**

Nursery stock, large trees, oaks, maples, pines and hemlocks. **Andorra Nurseries, Chestnut Hill, Philadelphia.**

Nursery stock arbor vitae (Thuya occidentalis), 3 to 4 ft., 4 to 5 ft. trees. **The Wm. H. Moon Co., Morrisville, Pa.**

**Virburnum plicatum, 2 to 3 ft., 12c. Dingee & Conard Co., West Grove, Pa.**

Nursery stock, ornamental trees and shrubs. **W. & T. Smith Co., Geneva, N. Y.**

## ORCHIDS.

Orchids, importers, exporters, growers and hybridists. **Sander, St. Albans, England. New York office, room 721, 258 Broadway.**

Orchids, **Cattleya Trianae, labiata, Warneri, Dendrobium, Oncidium, V. Rogersii. G. L. Freeman Co., Fall River, Mass.**

Orchids, all commercial, cattleyas and novelties. **Carillo & Baldwin, Secaucus, N. J.**

Orchids. Largest stock in the country. **Julius Roehrs Co., Rutherford, N. J.**

Orchids, leading kinds. **Gretsch & Ordonez Bros., 52 W. 28th St., New York.**

Orchids of all kinds. **Lager & Hurrell, Summit, N. J.**

## PALMS.

Palms, Kentias, in 2½-in. pots, \$8 per 100; \$75 per 1,000. **Jackson & Perkins Co., Newark, N. Y.**

Palms, Kentia Fors., 6-7 in., \$2 to \$3 each. **Kentia Bel., 3-in., 10c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.**

Palms, Kentias. **Joseph Heacock Co., Wyncote, Pa.**

Palms, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Palms, Bobbink & Atkins, Rutherford, N. J.

## PEONIES.

Peonies, all vars., **Jacs Smits, Ltd., Naarden, Holland.**

Peonies, leading vars., **W. & T. Smith Co., Geneva, N. Y.**

Peonies only by the wholesale. Best 100 varieties. **J. F. Rosenfield, West Point, Neb.**

Peonies, a superb collection. **Jackson & Perkins Co., Newark, N. Y.**

## PETUNIAS.

Petunias, 3-in., \$5 per 100. **Mosbaek Greenhouse Co., Onarga, Ill.**

## PRIMULAS.

Primulas from 2-in. pots, frame grown, ready in July, no better strains in existence. **Chinensis**, the best giant fringed, 8 separate colors or mixed, 2c. **Obconica grandiflora**, **Ronsdorffers** and **Lattmann's** unrivalled hybrids, 14 colors or mixed, 2c. **Obconica gigantea**, 3 colors or mixed, 3c. **J. L. Schiller, Toledo, O.**

Primroses, Chinese and **Forbesi**, \$2. **Obconica alba** and **rosea**, \$2; **obconica gigantea**, \$3. **Jos. H. Cunningham, Delaware, O.**

## PRIVET.

Privet, California, 1 and 2-year plants. **Chas. Black, Hightstown, N. J.**

## RHODODENDRONS.

Rhododendrons. **Jacs Smits, Ltd., Naarden, Holland.**

## RESURRECTION PLANTS.

Resurrection Plants.—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. **The Francis E. Lester Company, Dept. 6, Mesilla Park, N. M.**

## ROSES.

### EXTRA FINE ROSE STOCK.

| Ready to ship. 2½-INCH.  | Per 100 | Per 1000 |
|--------------------------|---------|----------|
| White Killarney          | \$ 8.00 | \$ 75.00 |
| Pink Killarney           | 6.00    | 55.00    |
| White Killarney, grafted | 12.00   | 110.00   |
| Pink Killarney, grafted  | 10.00   | 90.00    |
| My Maryland              | 6.00    | 55.00    |
| Beauties, 3-in.          | 3.50    | 70.00    |
| Kaiserin                 | 3.00    | ...      |
| Richmond, grafted        | 10.00   | 90.00    |
| Richmond                 | 5.00    | 45.00    |
| Brides                   | ...     | 25.00    |
| Kaiserin                 | ...     | 30.00    |
| Perles                   | 5.50    | 50.00    |
| Am. Beauty, 4-in.        | 12.00   | 110.00   |

| 3½-INCH.                | Per 100 | Per 1000 |
|-------------------------|---------|----------|
| Pink Killarney, grafted | \$13.00 | \$120.00 |
| My Maryland             | 8.00    | 75.00    |
| Perle                   | 7.50    | 70.00    |
| Richmond                | 7.00    | 65.00    |
| Richmond, grafted       | 10.00   | 90.00    |
| Cardinal                | 10.00   | 90.00    |

**POEHLMANN BROS CO., Morton Grove, Ill.**

**ROSES, 2-in., on own roots, Wellesley, Frances E. Willard, La Detroit, Ben R. Cant, Burbank, M. Neil, Souv. de P. Notting, Apricot, Marie Lambert, Mrs. De Graw, Clothilde Souper, \$2.50 per 100; \$22 per 1,000. Veltchenblau (violet blue) novelty, heavy 2-year stock, 90c; \$9 per doz. Wagner Park Conservatories, Sidney, O.**

### ROSE PLANTS, 2½-INCH POTS.

|              |     |       |
|--------------|-----|-------|
| Kaiserin     | 100 | 1,000 |
| Mrs. Jardine | 4   | 35    |
| Bridesmaid   | 3   | 25    |
| Richmond     | 3   | 25    |

### WIETOR BROS.,

**51 Wabash Ave. Chicago.**

Roses, Pink Killarney, 3-in., \$6 per 100; \$55 per 1,000; Am. Beauty, 3-in., \$8 per 100; \$75 per 1,000; 3½-in., \$9 per 100; Bridesmaid, 3-in., \$4 per 100; \$35 per 1,000. All fine stock. Cash with order unless known. **L. B. Coddington, Murray Hill, N. J.**

Roses, **Crimson Rambler, 7-8-in., 75c to \$1.50 each. Dorothy Perkins, 5½ and 6-in., 35c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.**

Own root Brides, Bridesmaid, Chateau, Golden Gate, Kaiserin, \$6 per 100. Grafted. **White Killarney, \$14 per 100. P. R. Quinlan, Syracuse, N. Y.**

Roses. For varieties and prices see advertisement on front cover page. **Vaughan's Seed Store, P. O. Drawer V, Chicago.**

Roses, on own roots, budded, bedding. **H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.**

Rose Killarney, 3-inch, \$5 per 100; \$40 per 1,000. **Geo. Reinberg, 51 Wabash Ave., Chicago.**

Rose Killarney, 3-in., \$45 per 1,000 2-in., \$25 per 1,000. **Eli Cross, Grand Rapids, Mich.**

Perles, Maids, Brides, Richmonds, fine 3-in., strong, healthy stock, \$5 per 100. **C. C. Pollworth Co., Milwaukee, Wis.**

Roses, Newport Fairy, 50c each; \$20 per 100. **Julius Roehrs Co., Rutherford, N. J.**

New Rambler (violet blue). **Eliwanger & Barry, Rochester, N. Y.**

Roses a specialty. **Dingee & Conard Co., West Grove, Pa.**

Roses, Bride, Maid, Richmond, 2½-in., \$3 per 100. **W. W. Coles, Kokomo, Ind.**

Roses leading varieties. **Leedle Floral Co., Springfield, O.**

Roses, 3-in. **Wood Bros., Fishkill, N. Y.**

## SALVIAS.

Salvia Zurich, 2-in., \$2 per 100. **Geo. M. Emmans, Newton, N. J.**

Salvias, 2½-in., \$2 per 100. **Mosbaek Greenhouse Co., Onarga, Ill.**

## SEEDS.

Seeds, onions, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. **C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.**

Seed, asters, mignonette, Begonia Vernon, Cineraria, Primula Chinensis, Obconica, Salvia Bonfire and Splendens, Verbenas, Cyclamen and Pansy. **Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.**

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. **The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.**

The Best Seeds for Dealers, Truckers, Plant Growers. Get price list from **Francis Brill, Grower, Hempstead, N. Y.**

Seeds, dwarf cauliflower and Danish Ball-head cabbage. **L. Daehnfeldt, Odense, Denmark.**

Seeds, onion, lettuce, radish, sweet peas, etc. **Pleters-Wheeler Seed Co., Hollister, Calif.**

Seeds, Phoenix Roebeleni. **Sander, T. Mellstrom, Representative, 235 Broadway, New York.**

Vetch seed for sale by **Square Deal Seed Farm, Knoxville, Tenn., and Concord, Tenn.** All orders filled promptly with best seed on the market. Write for prices.

Seeds, specialties. Stocks, pansies, cyclamens, etc. **Pape & Bergmann, Quedlinburg, Germany.**

Seeds, sweet peas. For varieties and prices see advertisement elsewhere in this issue. **Arthur T. Boddington, 342 W. 14th St., New York.**

Seed, pansy, 3,000 seeds, \$1; ¼ oz., \$1.50; ½ oz., \$2.50; oz., \$5; ¼ lb., \$14; ½ lb., \$25; lb., \$50. **Peter Brown, Lancaster, Pa.**

Seeds, onion, lettuce, radish, sweet peas, etc. **Pleters-Wheeler Seed Co., Hollister, Calif.**

Seed, pansy, 1,000 seeds, 25c; 1 oz., \$2.25. **H. Wrede, Luneburg, Germany.**

Seeds, natural grass, clover and tree seeds. **Conrad Appel, Darmstadt, Germany.**

Seed, pansy, giant, oz., \$4. **Jos. H. Cunningham, Delaware, O.**

Seeds of all kinds. **H. E. Fiske Seed Co., Boston.**

Seeds, pansy. **Fred. Roemer, Quedlinberg, Germany.**

Seed, pansy, 1,000 seeds, 25c; 1 oz., \$2.25. **H. Wrede, Luneburg, Germany.**

Seeds, all kinds. **Bridgman's Seed Warehouse, 37 E. 19th St., New York.**

Seeds, **Landreth Seed Establishment, Bloomsdale Farms, Bristol, Pa.**

Seeds, Vick's Quality. **James Vick's Sons, Rochester, N. Y.**

Seeds of all kinds. **W. W. Johnson & Son, Ltd., Boston, England.**

Seeds, all kinds. **J. M. Thorburn & Co., 33 Barclay St., New York.**

Seeds, flower of all kinds. **O. V. Zangen, Hoboken, N. J.**

Seeds, cineraria, mixed, tr. pkt., \$1. **Weeber & Don, 114 Chambers St., New York.**

Seeds, Stokes' standards. **219 Market St., Philadelphia.**

### Contract Growers.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. **John Bodger & Sons, Gardena, Calif.**

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon; sweet corn. **S. M. Isbell & Co., Jackson, Mich.**

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. **Waldo Rohrer, Gilroy, Calif.**

Seeds, grower and exporter of vegetable, flower and farm seeds. **Henry Mette, Quedlinburg, Germany.**

Seeds, growers for the wholesale trade only. **Braslan Seed Growers' Co., San Jose, Calif.**

Seeds, field, garden and flower. **Routzahn Seed Co., Arroyo Grande, Calif.**

Seeds, sweet peas. **Anton Zvolanek, Boundbrook, N. J.**

## SMILAX.

Smilax, from 2-in. pots, \$1.75 per 100; \$15 per 1,000. **J. L. Schiller, Toledo, O.**

**If You Do Not Find What You Need In Our Ready Reference Department, Write Us About It**



Smilax, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax. Wood Bros., Fishkill, N. Y.

### SNAPDRAGONS.

Snapdragons, 2½-in., \$1.50 per 100. Mosback Greenhouse Co., Onarga, Ill.

### SPIREAS.

Spireas. J. Smits, Ltd., Naarden, Holland.

### STOVE PLANTS.

Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

### VEGETABLE PLANTS.

#### VEGETABLE PLANTS.

|                                                                    |                  |
|--------------------------------------------------------------------|------------------|
| Cabbage—Danish Ballhead and Early Jersey, seedlings .....          | Per 1,000 \$1.25 |
| Cabbage—Danish Ballhead, transplanted 3.50                         |                  |
| Cauliflower—seedlings .....                                        | 4.00             |
| Cauliflower—transplanted .....                                     | 5.00             |
| Egg Plant—Seedlings .....                                          | 3.00             |
| Peppers—Pot plants, per 100 .....                                  | 2.00             |
| Tomato Seedlings .....                                             | \$2.00           |
| Tomato—pot plants, per 100 .....                                   | \$2.00           |
| Lettuce—Grand Rapids, Hanson's Improved, Selected, Immensity ..... | 2.00             |

MOSBAEK GREENHOUSE CO., Onarga, Ill.

Orders booked now for July delivery. Cabbage, Sure Head, Flat Dutch, Autumn King and Danish Ball Head, \$1 per 1,000; \$3.50 per 10,000. Celery, Boston Market, Golden Heart, White Plume and Giant Pascal, \$1 per 1,000; \$3.50 per 10,000. Parsley, Covent Garden, curled, 25c per 100; \$1.25 per 1,000. Lettuce, Big Boston and Grand Rapids, \$1 per 1,000. Every one a plant. Satisfaction guaranteed. We can ship by Adams, Wells Fargo, W. S. and Southern Express. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Vegetable plants: Cabbage, All Head, Succession, Second Early, Early Summer, Flat Dutch, Surehead, Danish Round and Ballhead, 20c per 100; \$1 per 1,000. Egg plants: Black Beauty, New York Improved, 40c per 100; \$2 per 1,000. Pepper: Bull Nose, King Ruby, Sweet Mountain, 40c per 100; \$2 per 1,000. Celery: White Plume, Golden Self Blanching, Giant Pascal, Golden Heart, Boston Market, 20c per 100; \$1 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

A large stock of sweet potato plants now ready. Yellow Nansemond, Big Stem, Jersey and Early Golden, \$1.25 per 1,000; \$10 per 10,000. H. Austin Co., Felton, Del.

Vegetable plants: Cabbage and tomatoes, \$1 per 1,000. Peppers, sweet potatoes, Brussels sprouts, \$1.50 per 1,000. Cauliflower, \$2.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Cabbage plants, Wakefield, Early Summer, All Head, All Seasons and Hollander, \$1 per 1,000. J. L. Johnson, De Kalb, Ill.

### VERBENAS.

Verbenas, 2½-in., \$1.50 per 100. Mosback Greenhouse Co., Onarga, Ill.

### VINCAS.

Vinca minor, the hardy vinca for cemetery planting and under trees, where grass will not grow; well rooted layers, \$1.50 per 100; \$10 per 1,000. E. Y. Teas, Centerville, Ind.

Vinca variegata, 3-in., 2½c; good stock. John S. Leach, Hartford City, Ind.

Vinca variegata, 4-in., \$3 per 100. J. S. Hennon & Son, Wampum, Pa.

Vincas, \$2 per 100; \$18 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Vinca variegata, 4-in., 12c; 5-in., 18c each. Mosback Greenhouse Co., Onarga, Ill.

### BOILERS.

Gem City Return Tubular Firebox boilers. The Gem City Boiler Co., Dayton, O.

### BUILDING MATERIAL.

Building material, Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Building material, hotbed sash, cypress, unglazed 95c each; in doz. lots, 90c; glazed, \$1.65 each; doz. lots, \$1.60. Fine sash, unglazed, 90c; doz. lots, 85c; glazed, \$1.60; doz. lots, \$1.55 each. Building hardware, wire and wire fencing, bolts, hatchets, hammers, etc. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building material, cypress sash bars, Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pipe fittings and all supplies needed in new or reconstruction work. Foley Mfg. Co., Western Ave., and 26th St., Chicago.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Deitsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash, Hitches & Co., 1170 Broadway, N. Y.

### GLAZING POINTS.

Glazing points, Lord & Burnham special glazing nails (points), Lord & Burnham Co., 1133 Broadway, New York.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc never-rust glazing points, 2 sizes, ½ and ¾, 40c per lb.; 16c extra by mail; 7 lbs, \$2.50; 15 lbs., \$5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

### GREENHOUSE CONSTRUCTION.

Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitches & Co., 1170 Broadway, New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk, Chicago.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

### GUTTERS.

Gutters, Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters, cast-iron. Lord & Burnham Improved V-shaped gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

Gutters, Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

### MISCELLANEOUS.

Meyer green silkline. \$1.25 per lb., 8 spools to lb. Meyer violet thread for violets, \$1.25 per doz. spools of 500 yards each. John C. Meyer Co., 1449 Middlesex St., Lowell, Mass.

Cypress for greenhouse construction, benches, etc. Baker-Wakefield Cypress Co., Ltd., Plattenville, La.

Mexican jumping beans, 60c per 100; \$5 per 1,000. J. A. McDowell, Apartado 167, Mexico City, Mex.

Richmond carnation supports, rose and mum stakes. Eagle Machine Works, Richmond, Ind.

The Mastin Automatic Whitewash and Spraying Machine. J. G. Mastin & Co., 3124 W. Lake St., Chicago.

Richmond carnation supports, rose and mum stakes. Eagle Machine Works, Richmond, Ind.

Plant bed cloth, waterproof sheeting, hay caps, etc. Henry Derby, 123 F. Chambers St., N. Y.

Pulverized Sheep Manure. Sheep's Head Brand. Natural Guano Co., Aurora, Ill.

Pillsbury's Carnation Staple, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

### PIPE.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U-bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., Western and 26th, Chicago.

Pipes and fittings, cast iron and wrought pipe, valves, elbows, pipe hooks, automatic air headers, etc. Lord & Burnham Co., 1133 Broadway, New York.

Iron fittings, patent iron bench fittings and roof supports. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Pipe and fittings. S. Jacobs & Sons, 1357 Flushing Ave. Brooklyn N. Y.

Pipe, valve fittings. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

### POTS, PANS, ETC.

"NUFF SED." Best red pots are made by Geo. E. Feustel, Fairport, Iowa.

Pots, before buying write for prices. Geo. Keller & Sons, 2614-22 Herndon St., Chicago.

Pots. Florist red. Peters & Reed Pottery Co., Zanesville, O.

Pots, Syracuse red. Syracuse Pottery Co., Syracuse, N. Y.

Neponset waterproof paper flower pots. Vaughan's Seed Store, Chicago & New York.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots. Standard, all sizes. A. F. Kohr, 2934-38 N. Leavitt St., Chicago.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

### STAKES.

Cane Stakes. Standard grade 6 to 8 feet. per 100, 85c; 500 for \$3; \$5.50 for 1,000.

Pipe stems about 6 feet, per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

### STEAM TRAPS.

Steam traps, the Standard return steam trap has no equal for its simplicity of working. E. Hppard, Youngstown, O.

Morehead Return Steam Traps, Morehead Mfg. Co., 1047 Grand River Ave., Detroit.

Detroit return traps. American Blower Co., Dept. A. F., Detroit, Mich.

## Catalogue Illustrations

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustrations. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock.

PR OR FOR CASH:  
Only 15 cents per square inch.

The American Florist Co.  
324 Dearborn St., CHICAGO.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It



## THE STANDARD VENTILATING MACHINERY



The original machine with self-oiling cups. The most powerful, least complicated, very compact, with ease of operation.

### The New Duplex Gutter

Over six miles in use and highly recommended by all. The only Drip Proof gutter on the market.

### The Standard Return Steam Trap

It has no equals for simplicity or its working. Catalogue free.

**E. HIPPARD, Youngstown, Ohio.**

Write to us about

## Materials and Plans

for any size and style of

## GREENHOUSE

for new structure or repairs.

**Hot Bed Sash** In stock or any size required.

### Pecky Cypress

for benches, lasting and least expensive.

**The Foley Mfg. Co.,**

Western Ave and 26th St. CHICAGO.

### Toronto.

Business is good, considerably better than in former years at this time, and a good supply of stock in all grades is coming in. While the warmer weather has had the effect of taking off the first quality of roses, they are still good enough for ordinary purposes; carnations have increased in numbers, but the quality is also coming down. Lily of the valley, orchids and sweet peas are fine. The peony season is now on in full swing and the flowers are certainly elegant though too plentiful to be of much value to the grower. The increased acreage of these has been so rapid that the market is not large enough to consume the enormous cut and they are sold much below their real value. The varieties coming in the early part of June, though often of the cheaper sorts, are much more profitable than the better mid-season varieties, and they kept much better than do those at present during this hot spell. Weddings are about over and there is not much demand for decorative flowers. Outdoor sweet peas are now plentiful and of good quality and with Shasta daisies and numerous other good perennials there is a plentiful variety to choose from.

American Beauty and Mrs. Jardine roses have done so poorly the last season that the growers have reduced their planting of these varieties to a considerable extent, while the space devoted to White Killarney and Richmond is being increased. Carnations are doing well in the fields and the plants have already attained a good size.

The Horticultural Society held a spring show in Allan gardens, and a very creditable lot of herbaceous stock was shown. The show was a few days too early for peonies, but other varieties left little to be desired. From the interest taken by the amateurs it looks as if this will be an annual affair.

Grobba & Wandrey are cutting quantities of Spanish iris. Mrs. Grobba and her two sons are sailing for Europe, July 5. Miss Watson, bookkeeper at Dunlop's, accompanies them.



## Why W. W. Hannell Goes on Building Our Houses

When the ad. man on a hot day last week dropped off a Watervliet car near Troy, N. Y., and found he had a couple of miles to lug his camera along a dusty road he felt a wee bit disgruntled, but when he reached Mr. Hannell's and heard him crack up the L. & B. Pipe Frame House, he turned into a regular Sunny Jim.

It seems Mr. Hannell's first houses, put up years ago, were our Pipe Frame Construction, as is his new one just going up. After saying many good things about the minor points of the construction he spoke of the first houses he put up, with locust posts, and that although many of those posts have rotted off, so far as he can see, the houses have not budged an inch, because the pipe frame has supported and tied the roof and entire house together, independent of the side posts.

"Give me a house with columns," he said, "and then I know it will stand up. Don't tell me it is safe to depend on only a network of overhead wiring and 2-inch pipe side posts to hold a house up. What is going to happen when those side posts become weakened by rust and the entire support of that immense roof depends solely on them? No, let my neighbor take such risks if he wants to; I haven't money to spend that way."

You see, Mr. Hannell knows what he is talking about—and we know what we are doing in refusing to omit the necessary columns to make a safe and sure house. Look this construction up carefully in the 1910 edition of the Handy Hand Book—then look us up.

## Lord and Burnham Company

IRVINGTON, N. Y.

New York  
St. James Bldg.

Boston  
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Philadelphia  
Heed Bldg.

Chicago  
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## Attention!! Glass Buyers!!

### GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.

Quality A. No. 1. Prompt shipments.

### Hooker's Greenhouse White Paint

The most durable white paint for this purpose.

Half barrels, (25 gallons) per gal., \$1.70. 5 gal. pails, per gal., \$1.75

## H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

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Use our patent  
Iron Bench  
Fittings and  
Roof Supports

THE JENNINGS IMPROVED  
IRON GUTTER.

### IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

**DILLER, CASKEY & KEEN,**

S. W. Corner Sixth and Berk Streets.

PHILADELPHIA.

VENTILATING  
APPARATUS

Thos. Manton is still cutting good Cattleya Mossiae and Harrisonae: of the latter variety there is not a month in the year when he does not have flowers to cut.

Visitors: Frank Smith, of the Connors Floral Co., Hamilton; J. L. Orlowski, Berlin; Wm. Fendley, Brampton; A. Greenlaw, of McCarthy's, Boston, Mass. H. G. D.



### Cut Flowers for Early Summer.

The demand for cut flowers in quantity has led to a largely increased home growth and immensely increased importations, and they make their appearance in different species and varieties with such regularity that one can almost tell the months by the flowers. As a purely outside flower, the daffodil, from Golden Spur to the May flowering poeticus, claims precedence of everything for nearly two months. Home grown roses and carnations, foreign mimosa, and anemones all find purchasers, but as an all-round or everybody's flower, the daffodil is pre-eminent, and, when the charming introductions of later years have become cheaper, and can be largely grown, we shall have an infinite variety. The later daffodils are still on hand when other flowers begin to appear in quantity, in the shape of Spanish irises and the early flowering gladioli, both of which are very popular. Winter protection to keep frost out of the ground, and also to keep off spring frost, will advance the flowering a couple of weeks, so that, as stated above, they hit the season by the time the daffodils are over. There are some very beautiful flowers in the newer sorts.

Besides frame culture for early work, a portion of a fairly warm border can be planted with them, and they will be over soon enough for the July sowing of carrots or the August cabbage. Peach Blossom is the earliest of the gladioli after Colvillei and its varieties; it is a dwarfier habit than most, but a beautiful flower. Both the iris and gladiolus will do well in any ordinary deep, well worked garden soil, and batches for later cutting can be planted in beds among azaleas and other plants of similar nature if space permits. Next to the above, the most popular flower for vases at present (June 1) is the single pyrethrum, of which in named sorts Hamlet (pink), James Kelway (scarlet), Mrs. Bateman Brown (crimson), and Princess Marie (white) are some of the best and most distinct. Readers who would prefer to raise their own should get a packet of seed from a good firm, and sow at once in boxes in rather fine soil. Put the seedlings out in prepared beds as soon as they are large enough, and select the best flowers and colors for permanent planting. Clear, distinct shades and well shaped flowers should have prior claim to size in such decision.—Gardening Illustrated.

### The Gardener.

A real gardener is, as all the world knows, a most honest man. One thinks of him instinctively as going to church of Sunday, his wife by his side, and a rosy tail of little offshoots following happily behind. There is a Clove pink in the buttonhole of his best coat, and a sprig of citronella decorates the family hymn-book. One allows him a glass of something-and-water now and then to keep out the damp, but for generosity—within discreet bounds, for truthfulness—except under great provocation—and for open-mindedness—except on subjects on which he knows that his opinions cannot be bettered—a gardener is an honest man. It is because of our faith in him that we accept this picture of a rose bush whereon petal touches petal from root to crown; that we believe in his bed of pansies,

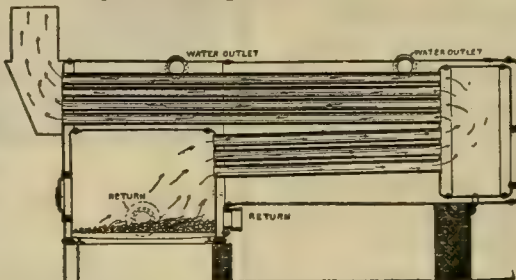
## The Superior Standard

### RETURN FLUE FIRE BOX BOILER

contains more heating surface, and less water space than any other steel boiler.

$\frac{2}{3}$  of the heating surface is in the tubes.

Ask the man that knows the one using different style boilers—names are yours for the asking.



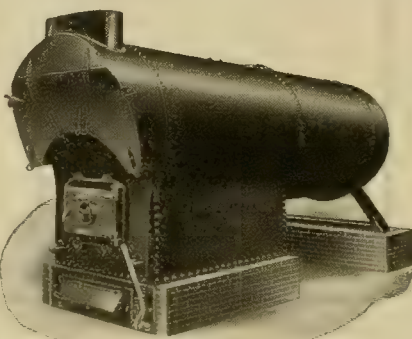
After using our boiler one season, you will say like all others: Nothing but "Superior" for me.

This boiler has given better satisfaction than any other boiler on the market

MADE IN NINE (9) SIZES FOR HOT WATER.

Send for catalogue and list of growers that are using this boiler.

THE SUPERIOR MACHINE & BOILER WORKS, 840-850 Superior St., Chicago.

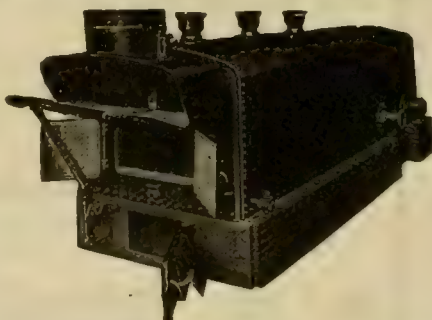


### The Gem City Return Tubular Firebox Boilers

Are the most economical for Greenhouse heating.

Send for descriptive matter and prices.

THE GEM CITY BOILER CO.  
DAYTON, OHIO.



### SEE HOW WELL THEY LIKE ME

150 New Establishments with 2,158,000 square feet of glass have installed this boiler in 1906.

Ask for list of users and get acquainted with the men who know.

Catalogue and prices on application.

KROESCHELL BROS. CO., 452 W. Erie St. CHICAGO.

### Steel Return Tubular Boilers

The Most Economical Type of Boiler for Greenhouse Heating. Highly recommended by well-known florists.

JOHNSTON HEATING CO., 131 East 26th St., NEW YORK.

whereof no root shows, but only a sheet of wide-eyed blossoms, and that we are eager to credit his bank of forget-me-nots with florets as large as sixpences. In our hearts we know that such roses and pansies are not, and that such forget-me-nots will never be. Yet year by year we linger over those enchanting woodcuts with an interest more perennial than any perennial whose virtues they celebrate.—White Paper Garden.

### WILKS' Hot Water Boilers ARE THE MOST ECONOMICAL Boiler for Greenhouses

No Night Fireman Required with our

SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

S. WILKS MFG. CO., 3503 Shields Ave. CHICAGO.

The Early Ad. Catches the Coin.



# **NOW READY**

The American Florist Company's

## **Trade Directory** **For 1910**

Contains 570 Pages.

Price \$3.00 Postpaid.

**T**HE AMERICAN FLORIST COMPANY'S Trade Directory for 1910, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 570 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States, Canada, Central and South America arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms Which Issue Catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, Seed Growers, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

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**324 Dearborn St., Chicago.**



Sheep's Head Brand

**Pulverized Sheep Manure**

The Ideal  
Plant Food  
for Florists.

Write to  
day for  
Prices and  
Booklet.

NATURAL GUANO COMPANY, Aurora, Ill.  
Mention the American Florist when writing

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**FLORIST'S SUPPLIES.**

We Manufacture all Our

**Metal Designs, Baskets, Wire Work, and Novelties,** and are dealers in **Glass-ware, Pottery, Decorative Greens** and all **Florists' Requisites.**

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Great attraction for the show window, and big sellers. \$5.00 per 1000, 60c per 100, postpaid.

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**Eagle Machine Works**

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Manufacturers of Ring Stakes  
for small plants.

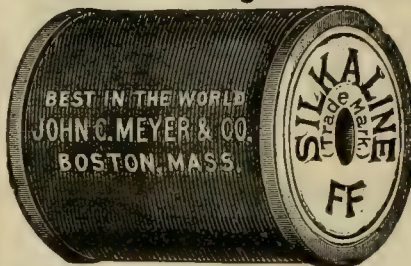
Richmond Carnation Supports.

Rose and Mum Stakes.

Jacksonville, Fla.

An important business change was made, June 20, in which Mills the Florist, Inc., and the Jacksonville Floral Co. are directly interested. It was an exchange of properties, the transaction involving approximately \$15,000. By the new arrangement, the Mills company takes over the greenhouse property at Greenwood cemetery, of the Jacksonville Floral Co., and the latter takes over the greenhouse property at Oak and Osceola streets, Riverside, of the Mills Co.

The reason for the exchange is given by C. D. Mills, president of Mills, the Florist, Inc., as being a matter of convenience, and for his company to have control of all the cemetery work

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is the only Green Thread that should be used by florists and growers. It is guaranteed full weight and full measure.

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For sale by all first-class supply houses. If your dealer does not carry it in stock, write us direct, giving us his name.

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Is Reliable, Practical and Durable**

The tank is made of galvanized sheet steel, and in brass. The pump is of brass throughout, simple and powerful. The mixing device keeps the contents of the tank well stirred up from start to finish.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

All parts are made to gauge and may be had for repairs.

Ask your dealer about our **Extension Hose, Extension Rods,**

and the **Mastin Whitewash Nozzle** for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

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**Evergreen Brand Flower Fertilizer**

Best plant food and most readily available.

12-lb. cans \$2.00 each.

Other sizes pro rata.

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**H. BAYERSDORFER & CO.****Florists'  
Supplies.**

1129 Arch Street, PHILADELPHIA, PA.  
Send for our new catalogue.

**A. HERRMANN,**

Cape Flowers, all colors, Cyas  
Leaves, Metal Designs and all  
Florist Supplies.

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**Holds Glass  
Firmly**

See the Point at

**PEERLESS**

Glazing Points are the best.  
No rights or lefts. Box of  
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**HENRY A. DEER,**

714 Chestnut St., Phila., Pa.

FULL SIZE  
No. 2



—BURNED CLAY—

**Tile Benches and Tile Bottoms**

Gives results. Three styles of benches, including  
Iron Pipe Frame, with Tile Bottom and Sides.  
Write for descriptive circular and delivered  
prices. Any size benches.

**Tile Sides**

**THE CAMP CONDUIT CO.**  
Garfield Bldg., Cleveland, O.

which heretofore has been divided, and which can be better attended to by having it all done by one concern. Mr. Mills is secretary of the Ever-

Has stood the test of over a Quarter  
of a Century.

**THOMSON'S  
Vine, Plant and Vegetable  
MANURE**

UNRIVALLED  
FOR

Vines,  
Tomatoes,  
Cucumbers,  
all Flowering,  
Foliage and  
Fruit bearing  
Plants,  
Vegetables,  
Lawns, etc.



The result of  
many years  
practical  
experience.

**PERFECT  
PLANT FOODS**

Sold by  
Leading  
American  
Seedsmen.

— ALSO —

**Thomson's Special Chrysanthemum  
and Topdressing Manure**

Freight paid on quantities. Write for our  
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**WM. THOMSON & SONS, Ltd.,**  
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Mention the American Florist when writing

**Cattle Manure in Bags  
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The best of all manures for the  
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country are using it instead of  
rough manure.

**Pulverized  
Sheep Manure**

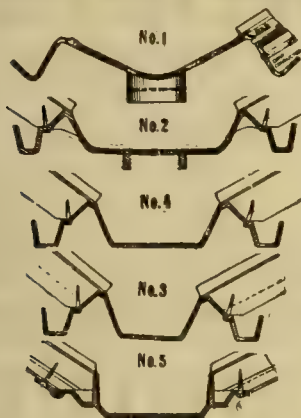
Absolutely the best Sheep Manure on  
the market. Pure manure and noth-  
ing else. The best fertilizer for carnations and for  
liquid top-dressing. Unequalled for all field use.  
Write for circulars and prices.

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32 Union Stock Yards, Chicago.

green Cemetery Association and pres-  
ident of the Woodlawn Cemetery As-  
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Ask the man who has tried them. For further particulars, write to

**GEO. M. GARLAND CO.,**  
DES PLAINES, ILL.

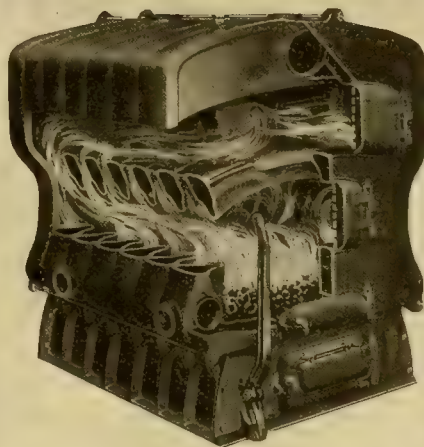
Nashville.

The floral trade of the past week was boosted considerably by the military tournament which extended from June 16-25. The first function was held on the Sunday, and throughout the week they followed thick and fast. Nearly all of the most popular and beautiful young ladies were interested as sponsors or maids of honor, and the gallant soldier lads could but send them flowers of the finest and most costly kind. Two grand military balls added to the demand. The call was for the most part for American Beauty. The Joy Floral Co. had fine Beauties and plenty of them and had good sales every day, but they were short on pink roses. The maid of honor in chief had sent her from Joy's one bouquet of four dozen Beauties, all fine large ones, and daily many smaller bouquets. The retail stores have the real summer look since the hot weather of the last few days, and flowers are not plentiful. Carnations are entirely done and fringed white petunias are being used as a substitute in funeral work. Asters are coming in and promise well. There is still some lily of the valley and *Lilium speciosum* is coming in very handily, while gladioli still holds its own. The military tournament was the last event of any importance, to arouse any interest and everything will be very quiet now. The long-delayed hot weather seems determined to make up on intensity for lost time. The city will be deserted by all but the "cant-get-aways" who are not great on flower buying, and the usual dullness will prevail in floral circles as elsewhere. M. C. D.

Lincoln, Ill.

Gullett & Sons have torn down the old greenhouses extending from the office in Tremont street to Logan street and in their place three larger, modern houses are to be built. The old houses have been up about 15 years, the new ones will be higher, lighter and more up-to-date in all particulars. The walls will be of concrete blocks on a solid concrete foundation, four feet of concrete and three of glass. The frame work will be of iron 27 feet wide and 16 feet to the ridge. With these houses finished more than two-thirds of the entire Gullett plant will have been rebuilt during the last six years.

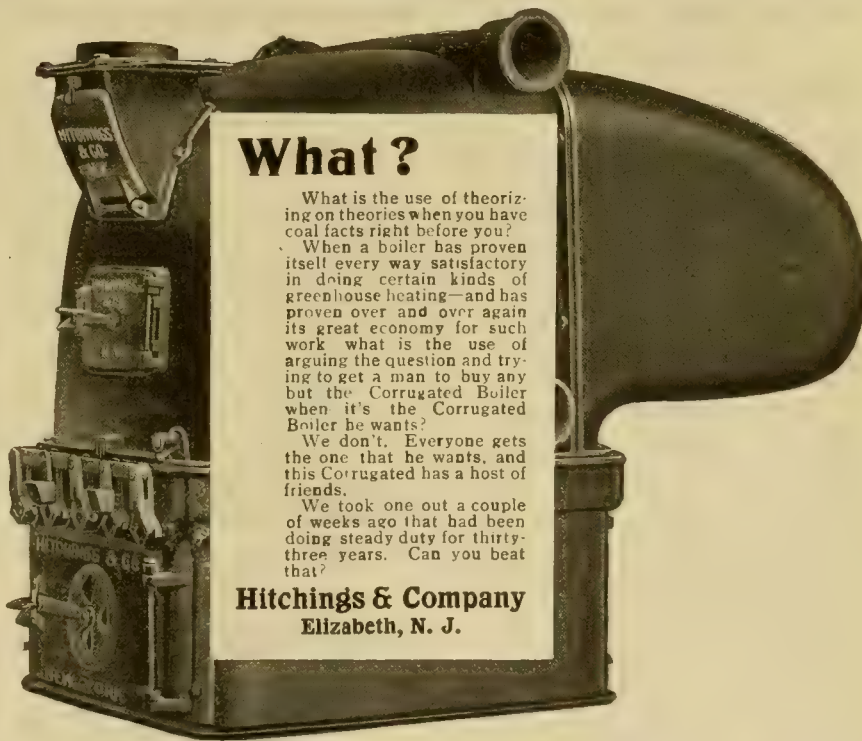
## It Saves Coal



**T**his boiler will give you plenty of heat and will burn but little fuel. Three times the length and twice across the boiler the fire travels, and the flue ways are large and roomy. Easy to clean and keep clean. Insures good draft.

Send for Catalogue Now.

**John C. Moninger Co.,**  
902 E. Blackhawk St., CHICAGO.



### What?

What is the use of theorizing on theories when you have coal facts right before you?

When a boiler has proven itself every way satisfactory in doing certain kinds of greenhouse heating—and has proven over and over again its great economy for such work what is the use of arguing the question and trying to get a man to buy any but the Corrugated Boiler when it's the Corrugated Boiler he wants?

We don't. Everyone gets the one that he wants, and this Corrugated has a host of friends.

We took one out a couple of weeks ago that had been doing steady duty for thirty-three years. Can you beat that?

**Hitchings & Company**  
Elizabeth, N. J.

## CYPRESS

Is a wood that has come into very general use in  
**Greenhouse Construction, Benches, Frames,**  
**Interior or Exterior Use.**

Inquire of your local dealer, or write us.

**BAKER-WAKEFIELD CYPRESS CO., Ltd.**  
**Manufacturers, PLATTENVILLE, LOUISIANA**



# Tobacco Paper "Nico-Fume" LIQUID

IS THE  
STRONGEST  
BEST PACKED  
EASIEST APPLIED

|                  |         |
|------------------|---------|
| 24 sheets.....   | \$ 0.75 |
| 144 sheets.....  | 3.50    |
| 288 sheets.....  | 6.50    |
| 1728 sheets..... | 35.10   |

Furnishes the  
Most Nicotine for the Money!

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville Ky.

OVER 40% NICOTINE

By far the  
CHEAPEST

JUST NOTE PRICES

|                |         |
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| Pint.....      | \$ 1.50 |
| ½ Gallon.....  | 5.50    |
| Gallon.....    | 10.50   |
| 5 Gallons..... | 47.25   |

*green flies and  
black ones too*

are easy to kill with  
The fumigating kind Tobacco Powder  
\$3.00 per bag 100 lbs.  
Satisfaction guaranteed or money back;  
why try cheap substitutes that makers do  
not dare to guarantee?  
THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

Lock the door before the horse is stolen,  
and insure your glass before it is broken.

For particulars concerning  
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**JOHN G. ESLER, Secretary**  
SADDLE RIVER, N. J.

Mention the American Florist when writing

GET OUR PRICES ON  
Galvanized Wire Rose Stakes and Tying Wire  
**IGOE BROTHERS**

Manufacturers of the Model Plant Supports for  
Carnations, Dahlias, Golden Glow, Reonies  
Chrysanthemums and Tomatoes.

63-71 Metropolitan Ave. **BROOKLYN, N. Y.**  
Mention the American Florist when writing

Kew's New Forestry Museum.

Cambridge Cottage, formerly the residence of the late Duke of Cambridge, was on June 1 opened to the public for the first time. On the death of the duke in 1904 his late Majesty King Edward VII. gave over to the public the grounds, to be added to the royal gardens from which they have access, and the building is to be used as a museum illustrative of British forestry, says the Journal of Horticulture. The structure is an unpretentious brick building, partly two, and the remainder three, stories high. The exterior, largely covered with ivy, Magnolia grandiflora, and roses, remains unaltered. The interior, has been remodeled. Three rooms and a corridor on the ground floor are at present open to the public. The largest room is about 48x60 feet. In this are shown trunks, planks, and cross sections of many trees grown in this country. As it is only rather more than a year ago that the building became available to the museum department, the officials have had very little time to get together a representative collection. Now, however, that such a museum has been started, we feel sure that plenty of suitable material will soon be forthcoming from estate owners in various parts of the country. The second room, about 36x60 feet, contains four large glass cases in the center, filled with

## Garman's Antipest

INSECTICIDE AND FUNGICIDE

For the Garden, Orchard and Greenhouse  
Non-poisonous and harmless  
to vegetation.

Kills Green Fly, Aphides, Bark Lice,  
Thrips Mealy Bug, Red Spider,  
Scale, Wire Worms, Ants  
and Slugs.

This is the grower's friend. Handy to  
use, cheap and effective, mixe readily in  
water. Destroys all insect pests and  
keeps down filth. Circulars on appli-  
cation. **\$1.50 per gallon.** Also in  
quarts, half gallons and in bulk.

**PERFECTION CHEMICAL CO.,**  
FLUSHING, N. Y.

## Greenhouse Construction.

By L. R. TAFT.

A complete treatise on greenhouse structure  
and arrangements of the various forms and  
styles of plant houses, for professional florists  
as well as amateurs. All the best and most  
improved structures are clearly described. The  
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and ventilating are fully treated upon. Special  
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ing of one kind of plants exclusively. The con-  
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210 pages. 5x7 inches. Cloth \$1.50.

**AMERICAN FLORIST CO.,**  
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Superior Quality.

Hand Made.

## Greenhouse Glass

Why not buy the best. Write us for  
discounts.

We can save money for you.

**BAUR WINDOW GLASS CO.**

**Eaton, Indiana.**



**SIEBERT'S ZINC**  
Never Rust  
**GLAZING POINTS**  
Are positively the best. Last forever. Over  
30,000 pounds now in use. A sure preventative of  
glass slipping. Effective on large or small glass.  
Easy to drive. Easy to extract. Two sizes ¾ and  
1¼. 40c per lb. by mail 16c extra; 7 lbs. for \$2.50  
15 lbs. for \$5.00. by express. For sale by the trade.

**RANDOLPH & McCLEMENTS, Successors to**  
Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

specimens of conifers, cones, seeds,  
dried shoots, sections of the wood,  
photographs of trees. The glass cases  
around the wall contain specimens of  
fruits, seeds, bark, photomicrographs  
of the wood of many trees, and photo-  
graphs of the winter and summer  
effects of many deciduous trees. The  
grounds are still enclosed by the old  
walls. Two gates have been made  
in the wall forming the old boundary

# APHINE

Destroys Green, Black and White  
Fly, Red Spider, Thrips, Mealy Bug  
and Scale.

It invigorates plant life and can be  
applied to the tenderest flowers and  
foliage.

**\$2.50 per gal; \$1.00 per qt.**

Buy from your seedsman, or will  
send you a sample can with sufficient  
for a thorough trial (postage prepaid)  
on receipt of 40c.

**Aphine Manufacturing Co.**  
**MADISON, N. J.**

Mention the American Florist when writing



**THE BEST**  
**Bug Killer and**  
**Bloom Saver**

For PROOF  
Write to

**P. R. PALETHORPE**  
**COMPANY,**

**Owensboro, Ky.**

Mention the American Florist when writing



**MASTICA** is elastic and tenacious, admits of  
expansion and contraction. Putty becomes hard  
and brittle. Broken glass more easily removed  
without breaking of other glass, as occurs with  
putty. Lasts longer than putty. Easy to apply.

of Kew Gardens, and through these  
the public can reach the building,  
which, by the way, is to be officially  
known as Museum No. 4.



# THE AMERICAN FLORIST



*America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."*

Vol. XXXIV.

CHICAGO AND NEW YORK, JULY 9, 1910.

No. 1153

## THE AMERICAN FLORIST

TWENTY-FIFTH YEAR.

Copyright, 1910, by American Florist Company.  
Entered as Second-Class Matter Nov. 11, 1891,  
at the Post Office at Chicago, Illinois,  
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

**AMERICAN FLORIST COMPANY,**

324 Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Eastern Office: 1133 Broadway, New York.

Philadelphia, Pa.: Robt. Kift, 1725 Chestnut St.

Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a year; Canada, \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from the trade. Volumes half yearly from August, 1901.

Address all correspondence, subscriptions, etc., American Florist Co., 324 Dearborn St., Chicago.

### SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—F. R. PIERSON, Tarrytown, N. Y., Pres.; FRED W. VICK, Rochester, N. Y., Vice-Pres.; H. B. DORNER, Urbana, Ill., Sec'y; Wm. F. KASTING, Buffalo, N. Y., Treas. Next meeting at Rochester, N. Y., August 16-19, 1910. Second National Flower Show, Boston, Mass., March 18-25, 1911.

### CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition, in conjunction with the Morris County Gardeners' and Florists' Society, Morristown, N. J., November 2, 3 and 4, 1910. ELMER D. SMITH, Adrian, Mich., President; C. W. JOHNSON, Morgan Park, Ill., Secretary.

### THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at Boston, Mass., March, 1911. FRED. BURKI, Pittsburgh, Pa., President; A. F. J. BAUR, Thirty-eighth St. and Senate Ave., Indianapolis, Ind., Secretary.

### AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at Boston, March 1911. Wm. H. ELLIOTT, Brighton, Mass., President; A. FARENWALD, Roslyn, Pa., Vice President; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., Secretary.

**Turn Your Surplus Stocks Into Cash By Advertising in the Ready Reference Department.**  
**See Page 1171.**

## HALF HOUR CHAPTERS FOR PLANT GROWERS

### Poinsettias.

The more we have to do with the culture of poinsettias in pots the more we are of the opinion that one of the most important points of their culture is to see that they are kept growing steadily and hard from the beginning. Just as soon as they are well rooted they should be taken from the propagating cases and potted and when established given a place in a house where they can have plenty of light and air around them at all times. In a shady, moist house they begin to run quickly and the growth is poor and soft though rapid while those grown with only just sufficient shade to prevent injury to the foliage are solid and stocky right through. Of course, just in the earliest stages they are tender and want nursing and it would be unwise to expose them directly to the drier, more airy conditions of the growing house or frame, but do it gradually and they will be all right. By this we mean that when first taken out of the moister propagating quarters they should be arranged so that they can be sprayed easily and freely between the pots and a fair amount of shade given. This will have to be reduced by degrees until the plants are so conditioned that they can stand almost full exposure to the sun, just a little lime or whitening on the glass or a roll of muslin being all the shading necessary.

### Celosia Pyramidalis.

As the plants of *Celosia pyramidalis* come in line for final potting, see that they are all perfect and do not waste time potting those that have fasciated stems. This is one of the most sportive subjects in cultivation and one never knows what the plants are going to do next in the way of unnatural or abnormal growth. The proper place for the plants now is a light frame where they may be kept fairly close to the glass and given plenty of air, only enough shading being allowed to prevent the foliage burning. Give the plants a fair distance apart in order that spraying be-

tween the pots can be easily done. The soil for *Celosia pyramidalis* should be moderately light loam with a liberal addition of well dried cow manure and sand. The plants should be potted only moderately firm, not too hard, as the idea is to promote a fairly quick growth and a loose pyramidal habit. Keep the plants lightly sprayed daily until the color of the plumes shows when the spraying must be discontinued.

### Small Decorative Stock.

The additional room at command at this time of year allows of the preparation of plenty of small plants that will be useful for decoration around Christmas. Small ferns can be potted out of flats in any quantity desired. There is a great variety and they are among the most easily grown plants for the purpose. A good stock should be worked up now and if the requisite seedlings are not on hand they should be purchased. It is no use leaving the houses empty. Growth made now is made without any expense for fuel and the profit is that much more. Another useful plant for late fall and winter decoration is *Grevillea robusta*. Its pretty fern like foliage is fine for use in fern dishes and seedlings now being potted off make elegant little specimens in 3-inch pots by that time. It is not too late to sow even yet, in fact this little plant is so useful that it should be sown two or three times throughout the year. *Dracenas* in all sizes should be spaced out and given room enough to grow, a moderately shaded house suiting them best. Pot on any that need it and see that they do not go out of cultivation. *Crotons* in all sizes should be potted if they need this attention and set going. Old specimens cut back for propagating in early spring should be starting to grow now and may be shaken out and potted into one size smaller than the pots they are growing in. *Crotons* one and all delight in bright, strong, sunlight, the atmosphere around them being tempered by plenty of moisture.



When newly potted a little shading will be necessary but established plants do best in full sun. There are many other small decorative subjects, such as marantas, foliage begonias, tradescantias and panicums stock of all of which can be hastened along now with ease and it is much better to get at them now than have to buy from other growers when needing them later on.

#### Fuchsias.

It is difficult to account for the almost utter neglect into which the fuchsia has fallen of late years when one considers what an easily grown and beautiful plant it is. It will probably be never very largely grown in the big plant growing establishments that depend upon the shipping trade to distant points, for they are not easy plants to pack when covered in flower, but there is nothing to prevent the man who grows for his own retail trade growing a few hundred and that they would sell at a fair figure does not admit of doubt. Their culture is easy and for the greater part of the growing season they are independent of fire heat, so would not cost much to grow. A few old stock plants can be kept under the benches or in any out of the way place where frost does not reach them and these will provide all the cuttings needed. These should be rooted in February in a cool propagating bed. Heat is bad for the fuchsia at any stage of the game, it being almost a hardy plant and, unlike some hardy subjects, objecting strongly to forcing tactics. The young stock needs only to be grown on in a cool, moist house or frame, kept potted on as becomes necessary and all flowers nipped out as they appear until about a month before the plants are needed in flower. The naturally grown pyramid shape of plant is by far the most graceful but most people desire the bush form and this is grown by pinching the shoots regularly every three or four weeks until the necessary number of shoots is produced.

#### Cinerarias.

There is often a good demand for early cinerarias, and when this is likely to occur seed may be sown now. The one leading point in cineraria culture that should be kept in mind by growers is always to maintain a cool, moist and airy atmosphere around the plants. Without this they can never be a success, but given this all the rest is easy. We always drain the seed pans or flats for cinerarias with special care and over this place a light sandy mixture that has been passed through a half-inch sieve. Give the pans or flats a thorough soaking of water and allow a little of this to drain away. Then sow thinly and cover the seed with about an eighth of an inch or less of fine, dry, sandy soil. Cover with a sheet of glass to conserve the moisture and this again with paper or moss, unless the house or frame, in which they are placed is well shaded. Watch carefully after about nine days, and as soon as the seed germinates remove the shading and place the pans in a shaded cool frame.

## THE RETAIL TRADE

THE custom of carrying a bouquet of flowers in automobiles has been revived in England, showing, says a trade paper, that "there is a slight relaxation in the outward and visible signs of national mourning."

#### Can It Be Done?

It should be the aim of every retail florist to make a careful study of the economic conditions at present confronting dealers in flowers with a view to recommending a commission to make a regular price for each and every design whether for funerals or otherwise, which each man in the



Standing Wreath of Orchids (Dendrobiums) and Lily of the Valley With Orchid Ribbon. Base Easter Lilies and Leucothoe.—By Young & Nugent, New York.

trade should follow, making such changes from time to time as will enable the retailer to meet his increased selling expense and at the same time dispose of his goods at a net profit.

An exhaustive study of the average expense of doing business in the different lines connected with the flower trade should be made. Men of wide experience and recognized standing should be chosen and the work should be very carefully and methodically done along conservative lines with the approval and assistance of all retailers of flowers. Also—with a view to bringing the results of work of this kind to the attention of the largest number of influential florists—a circular should be issued to all in the trade asking their co-operation.

Many mistakes are made by people in the retail flower trade. This was

particularly noticeable in a recent newspaper advertisement where one large house of excellent reputation and standing advertised funeral designs from \$3 up. All who have handled this class of work and who do work of merit in this line know that it would be the highest degree of folly to attempt to make anything worthy of the name of a funeral design with its frame, flowers, workmanship and store expense percentage added that could be retailed at a profit for the low figure of \$3.

If a national florist commission could be established to which each and every one would give their staunch support, it would soon eliminate the ruinous price-cutting now in vogue which, in the long run, must ruin the profit-taking and bring it down to a very low standard and in the hands of a foreign element who stop at nothing and still live because they can live on nothing. In this day of evolution in prices some of our staunch followers in the trade should put their heads together and form a league whereby all future mistakes and ruinous business principles will be eliminated.

It is certain that all florists who have the interest of their trade at heart will be in a receptive mood for a movement of this kind and willing to be guided by a schedule of prices that should be carefully and consistently worked out. The time is ripe just now for just such a movement. Let us hope the work will be started before long out of justice to those whose interests should be protected. Let us do it now. A. E. KLUNDER.

#### July Flowers in the New York Stores.

When a celebrated and lamented poet wrote of "the melancholy days, the saddest of the years," he was not thinking of the florists. A cynical buyer would probably say that the poet's mind was on higher themes. However, the foregoing lines are now very applicable to the present condition of business. But this article will deal with the flowers that are in sight, and, so far as the growers, wholesalers, retailers and the general florists are concerned, we will leave it to them to fight it out and it will probably take them all summer to do it.

The cool and dark weather of June kept greenhouse stock in very fair condition, consequently particularly in the case of American Beauty roses and carnations, better stock is now seen in the stores than might be expected at this season. In a great city like this, it calls for considerable inquiry and discernment to learn the exact condition of the retail trade. While the wealthy residents have, as a rule, closed their homes for the summer and are sojourning elsewhere, it must be readily understood that the steamer and hotel trade, funeral work and the bunches bought by God's plain people, call for a large amount of stock. If this was not a fact, many dealers would be put out of business.

Some of the retailers say that roses and carnations are always the best sellers; that may be true with certain lines of trade, but particularly in the case of roses there is room for qualification. Good pink and white roses, par-



ticularly Killarney, White Killarney and Kaiserin are always to a certain extent in demand, and always to be found, but Richmond, which is practically the only red greenhouse rose that reaches this market, is a dead one for the summer. It is now practically worthless and it does not appear that any number of people would want it if it was good. A noteworthy feature at the present time is the popularity of the cut blooms of Dorothy Perkins. They are sold wholesale in bunches of about one dozen sprays and a buyer of long experience recently stated that he considered them the "prettiest things on the market." Crimson Rambler is also being sold in the same way but Perkins surpasses them in popularity.

We have always been very friendly to the carnation, when it showed any merit. As an old timer in the business recently said, "there are carnations and carnations," but so far as we can observe, some of the old varieties stand the stress and heat of summer much better than the much vaunted new ones. While we may be ridiculed for saying so, Genevieve Lord, as a good pink, seems to hold its own with any of them. Orchids are plentiful and good enough, but as a rule the orchid fanciers and buyers are in Europe, or other places remote from this busy mart of trade, consequently the orchids have to take their chances with the balance of the surplus. Gardenias are over plentiful. They are not summer flowers and we have grave doubts as to whether they ever will be. There are several reasons for this. Their quality deteriorates with hot weather. They are essentially flowers for the well to do classes, who are not now here and their odor is so oppressive that they are not acceptable for funeral work.

Lilies and lily of the valley are at all times acceptable but both are in surplus at the present time. The water lilies are now appearing, being chiefly useful for display in miniature lakes and ponds in the show windows. Some of the retailers have the habit of calling everything a spring flower that has not been grown under glass. As this is summer and a hot one at that, we prefer to write summer flowers. Well, there are plenty of them, more in fact than there is any use for. While many sweet peas are sold, some of them at ridiculously low prices, there is always a surplus. It would be better for all concerned if one-third of the summer stock that is dumped on this market was thrown away in the field. We have iris, phlox, feverfew and various other stocks in great variety. We do not know that anybody is making any money out of them but they look pretty in the store windows.

SPRINGFIELD, ILL.—The building in which A. C. Brown has his store is to be completely remodeled.

YOUNGSTOWN, O.—Mrs. M. S. Geng, wife of Gus Geng, died at her home on Livingston street, June 27, of a complication of ills, at the age of 42. Mrs. Geng was a charitable woman, a devoted wife and mother and Mr. Geng has the sympathy of all in his hour of trial.

## THE CARNATION.

### Carnation Culture Under Glass.

Planting in the houses may be done from June to October, the earliest plantings being from pot-grown stock. Probably the best time for housing the plants from the field, said W. T. Bell in a paper read at the convention of the American Carnation So-

benches or beds, are well expended. Sods and the top soil from an old loamy pasture field, cut three or four inches thick, and piled with one-fourth of their bulk of clean cattle manure a sufficient length of time before using to attain the proper condition when sliced down and thoroughly mixed, and having a small quantity of air slacked lime incorporated with it, forms an ideal compost.



WREATH BY JOHN MANGEL, CHICAGO.

Foundation of Galax, with White Sweet Peas and Mrs. Jardine Roses.

ciety at Pittsburg, January 26-27, 1910, is August, and early September. The beds or benches should be of convenient width to work over; say not to exceed five feet, where there are walks on both sides, and not more than three feet for side benches.

#### BEDS VS. BENCHES.

Both low beds and raised benches have their advocates, and good flowers may be grown with either system of cultivation. Ground beds are cheaply made, and, if furnished with cement or brick walls, are durable, but should always have provision for sufficient drainage while raised benches, although more expensive to make and requiring frequent renewal, are more convenient to plant, weed, stake and spray than the low beds are. Each grower should test both plans and decide for himself, after a sufficient trial, which he will adopt. Possibly, as some have already done, he will use both.

#### THE SOIL QUESTION.

While, with proper attention in other respects, carnations may be grown fairly well in soils that vary greatly in quality, still the time and cost required to procure and prepare the best quality of soil for use on the

The bottom and side boards of the raised benches that will come in contact with the soil should, before filling, be thoroughly coated with whitewash made from freshly slacked lime, and having a small quantity of sulphur added. Five inches of soil, prepared as directed, is sufficient for the raised benches.

#### LIFTING AND PLANTING.

In digging the plants in the field, a reasonable amount of soil should be left attached to the roots, if possible, and they should be carried and handled so carefully that this soil will not be shaken from them. Contrary to what the novice might expect, the best results in transplanting will be obtained if the soil in the field is dry when the plants are dug, rather than if it is wet. The plants should be transferred to the benches as promptly as possible after digging so that the roots may not become dry.

Probably a majority of planters firm the soil around the newly-set plants by pounding it with the closed fist; but as this firming is an important part of the planting operation, a better plan is to use a brick, hammer, or something similar, as a tamper for the purpose. Care should be taken not to set the plants any



deeper in the soil on the benches than they were growing in the field.

#### SPRAYING.

After a few feet of bench has been planted, the soil and plants should be gently but thoroughly dampened, by using the fine spray rose on the nozzle of the hose and, if the sun is shining on the benches, the plants should be lightly sprayed again after the foliage has become dry. The spraying should be repeated on bright days as often as may be necessary so as, if possible, to avoid shading the glass.

there is nothing better than cattle manure. This must be applied in combination with good judgment; and neither too strong nor too frequently.

#### WATERING.

The most important detail connected with the cultivation of carnations is the watering and the most common failure in this respect is in allowing the soil to become too dry, even to the extent of causing the plants to droop and wilt. The soil on the carnation benches should always be slightly moist; but should never be watered when saturated.

matters of temperature and moisture, find their stock practically free from disease.

#### HOUSES FOR CARNATIONS.

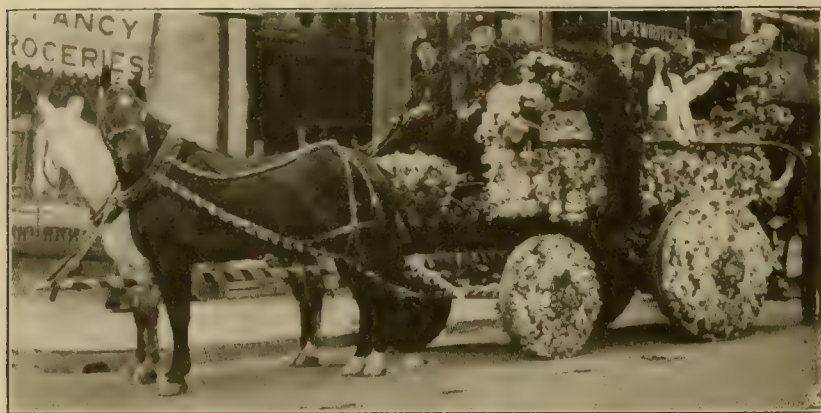
In regard to the style and size of houses for the proper cultivation of carnations, ideas differ and will continue to do so although, at present, the tendency seems to be in favor of longer and wider houses. But some of the finest carnation flowers that have ever been produced were grown in narrow houses, so narrow indeed that in some cases they were wide enough for but one narrow bench, but the man who grew them, was careful not to allow the ventilating sash to remain unopened during the whole of a bright sunny day, nor to neglect the watering until the plants hung their heads from thirst. While good-sized houses, well lighted and conveniently arranged, are very desirable, success does not depend so much on the style of house, as on the style of men in charge of it. Houses 300 feet in length should be long enough for any reasonable man, and equal span houses running north and south, do very well for growing carnations in

#### VARIETIES.

The number of varieties that are grown with profit at the present time, is so great, and is being so persistently added to, that it seems unnecessary to specify them, or to say which are the most profitable; and the beginner in the business will do best to consult some successful grower on this point, and, after having had some experience, to add to his stock, for the purpose of testing, some of the most promising of the new introductions, and retain those that prove to be desirable.

#### RAISING NEW KINDS.

Notwithstanding the very many fine sorts that are now cultivated, better kinds than are now in existence, will be warmly welcomed when they appear, as they undoubtedly will; and this prospect opens a new field to the thoughtful carnation grower, the production of new varieties. He may be fortunate enough to have a sport or variation from an existing kind originate on his premises, which is a short cut to the point aimed at, for which



THE PORTLAND ROSE FESTIVAL.

Fireman's Ladder Truck Wreathed with Roses.

After the plants have become somewhat established, they should be dusted with air slaked lime. As soon as convenient they should be furnished with the galvanized wire supports, to be lengthened as needed. These, although more expensive, are neater and better than strings stretched between the rows, a plan in common use.

Carnation houses should be freely ventilated whenever the weather will permit; and fumigation and spraying, for aphids and red spider, must not be neglected. Weeds should not be allowed to grow, and the surface of the soil should be stirred frequently, when in the proper condition, but not so deeply as to injure the roots of the plants.

#### DISBUDDING.

As soon as the flower buds are of sufficient size to handle, disbudding should be commenced, and continued persistently throughout the season. In disbudding carnations, it will be found best to begin at the top of each stem; so that if by accident the terminal bud is broken off, one of the buds lower down may be left to take its place. On account of differences in habit of growth, certain kinds can be disbudded much more easily than others. Among the kinds that require most time, because of the very numerous buds and side shoots, are Beacon, O. P. Bassett and Georgia; and among those that can be disbudded much more quickly are Harvard, Victory and White Perfection.

After the soil has become filled with roots, the application of additional fertilizing material may be made either pulverized cattle or sheep manure, to be stirred into the soil, or liquid fertilizer, for the making of which

#### DISEASES.

But little need be said now concerning the filthy carnation rust that caused so much trouble and dread a few years since, nor indeed of the various other fungoid diseases to which the plant is subject, because, if intelligent care and attention are given to the propagation and culture of the plants, but little trouble will be experienced from any of these diseases; and this applies as well to the case of other florist's plants. Those who complain so much of disease in their stock of forcing lilies, and lay the blame on the men who grow the bulbs would, if they gave more care to the plants, and especially in the



THE PORTLAND ROSE FESTIVAL.

Decorated Suburban Float.



he will deserve no particular credit but from which, if is a decided improvement in color, size or habit over those now grown, he may derive a considerable profit.

#### CROSS FERTILIZATION.

The most promising way to proceed, as well as the most interesting, is to resort to cross-fertilization, usually

#### The Portland Rose Festival.

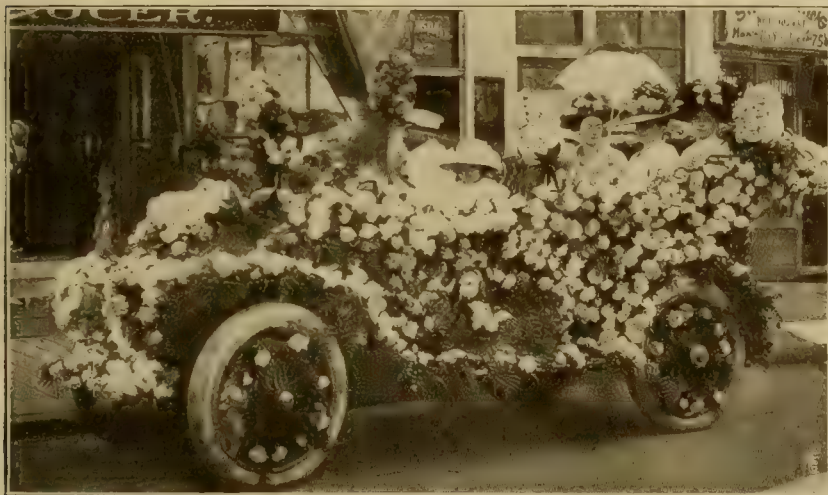
The fourth annual celebration of the Portland (Ore.) rose festival occurred this year from June 7-11, and was an unequaled success from beginning to end. This festival has become the principal holiday event of the year to thousands of citizens of the Pacific coast states, and this year visitors

elaborately decorated and at night presented a brilliant attraction. The appearance of some of the leading hotels, banks and skyscrapers were in many instances unique and striking.

One of the chief attractions during this holiday week was, and always has been, the rose show, held under the auspices of the Portland Rose Society. This year was no exception to the success, which has in every instance attended this event. It was held in the armory, a building occupying a full city block, 200x200 feet. The immense interior was taken charge of by a committee of ladies, and under their tasteful industry became a veritable bower of roses, millions of blooms being used in its decoration. The competitive exhibits of roses were in many cases wonderful in the quality and texture of their individual flowers. More than 300 entries were made.

A new feature was this year added to the competitions. The city was divided into 12 districts, each of which devoted the large space allotted to it to a competitive decorative exhibition for the district prize offered by the Rose Festival Association for the best display in this class. Many individual exhibits were made in boxes, practically under the rules and regulations obtaining at the rose shows of The National Rose Society of England. Several of these were equal, if not superior, to the best that can be seen at that great national event of the rose loving world. The bulk of the exhibits were, however, displayed in vases, and the size, quality and beauty of these won the admiration of the 75,000 people who visited the rose show on the two days during which it was open to the public.

Sixty-four trophies and prizes were offered and awarded by the Rose Festival Association for competition in this event. At this rose show, there are always three judges, one of whom must be a resident of Portland, and the others strangers to the city. This year for the third consecutive time, W. S. Sibson, proprietor of The Sibson Rose Nurseries, was the Portland judge; Roland G. Gamwell, president of the Bellingham Rose Society, and



THE PORTLAND ROSE FESTIVAL.

Decorated Automobile in Parade.

called hybridizing, which term is in this instance incorrect, as a hybrid is the result of a cross between different species of the same genus, while the various kinds of carnations, as we grow them, are simply different varieties of the same species. The grower will select for his experiments in cross-breeding, parent kinds that seem to combine the qualities he desires in the looked-for progeny and after growing and testing a few thousand seedlings, he may be rewarded by the production of a prodigy which may indeed result from the very first pod of seed produced and, when he has bestowed on it a plain short name, somewhat descriptive, if possible, and sold the stock, or a portion of it, for \$10,000, be the same more or less, he will probably feel repaid for the time and trouble expended on its production, while if his efforts do not result so profitably, he will at least, be repaid, in a measure, by the interesting experience he has had.

The intelligent, observant, and careful grower of carnations, will soon be able to distinguish the different varieties he cultivates from each other by inspection guided by differences in appearance and habit, that cannot be described in words and, possessing this faculty, if mixtures occur in his stock, as they may, he will be able to identify and name the interlopers. He will find the work, in its variety, both healthful and interesting; and, if located within reach of a good market, profitable as well. He may also, as a result of experiments, discover some improved methods in the culture and care of his stock, that will be of general interest and benefit; and having done so, will of course report the same to the American Carnation Society.

were numerous from all over the United States and Canada. The hotel accommodation of the city was taxed to its utmost capacity; in fact, it was almost impossible for those who came without reservations to secure rooms.

The day of the first parade, 327,000 people were carried by the street car company, and in the five days of the festival, the company reported its traffic as numbering nearly 1,700,000 passengers. During the parades, which have become famous for their novelty and beauty, the streets were thronged with sight-seers. It was estimated that about 400,000 people witnessed each of these leading events. The principal streets of the city were



THE PORTLAND ROSE FESTIVAL.

Winning Flowers of Caroline Testout.



J. H. Booth, of Roseburg, Ore., completed the board.

In addition to the individual competitions of amateurs, and the district competitions above referred to, there were prizes for the best general exhibits of roses and shrubbery by nurserymen. This competition is always one of the chief decorative features of the rose show, and was this year fully up to previous standards. Clarke Bros., Portland, and the Swiss Floral Co., were the respective winners of the first and second prizes in this class. So successful and popular has this annual rose festival week become, that the citizens of Portland intend it to a permanent institution and believe that before long it will rival in importance the celebrated Mardi Gras of New Orleans. WM. S. SIMSON.

#### Burbank's Amaryllises.

The amaryllis or hippeastrum has been greatly improved in recent years, more especially by the British raisers. Of late Luther Burbank has been working upon them and our illustrations herewith show what a fine plant the amaryllis really is when well grown. The single flower shown is natural size and is described as one of the "medium sized" varieties. There are some in the collection over 12 inches across. The white and light shades are usually supposed to be the most difficult to get in good shape, but the picture of these shows that Mr. Burbank has been very successful even with these.

CUMBERLAND, MD.—Weber Bros. have closed their store here and moved to Clarksburg, W. Va.

PATERSON, N. J.—The Paterson Floral Co. suffered a loss of about \$1,500 on its stock at 304 Main street, in a fire that practically gutted the whole block and caused a total loss of over \$500,000 on the night of June 27.

#### The Spencer Type of Sweet Peas.

A paper read by W. Atlee Burpee, of Philadelphia, at the convention of the American Seed Trade Association at Atlantic City, N. J., June 21-23.

Last month on the very day that we were leaving for California I received the programme for this convention and regretted to find that your president had put me down for a paper on "The Spencer Type of Sweet Peas." I felt then that the proper preparation of a paper would be impossible, as I could only return from California a few days before your convention. However, in taking a walk in the early morning of May 31 around the village of Lompoc I was so impressed with the fact that while there were acres of the finest Spencers grown in that beautiful valley, both upon our own and other seed farms, yet nearly all the sweet peas in the village gardens were of the old grandiflora type. I determined then that if time would possibly allow before your convention I would certainly try to say something that might help increase the enthusiasm for this wonderful new race of gigantic orchid-flowered sweet peas. Returning yesterday I was pleased to find that, despite the unfavorable and backward season, most varieties of Spencers in our trials at Fordhook are now sufficiently in bloom to illustrate to all of you who may favor us with a visit on Friday the wonderful distinction of this unique type.

#### NOTES BY AN ENGLISH AUTHOR.

Last evening, in considering how I could best say anything to still further advance the growing interest in sweet peas of the Spencer type, I picked up the book about sweet peas published this year by my friend, Walter P. Wright, of England, and upon reading his introductory remarks felt that no words of mine could so well express as he has done the wondrous beauty of the seedlings of Countess Spencer. With your per-

mission, therefore, I shall first quote from Mr. Wright:

"It was Henry Eckford who made the sweet pea the great flower that it is. It was he who gave it its huge public. He delighted amateurs with new and beautiful colors and with improved form. He enlarged the flower, and added grace, substance and symmetry to it. It was loose—he gave it regularity. It was flimsy—he made it solid. It was ragged—he knit it together. The standard was badly notched—he went a great way to filling the gap up. But mark you, he did all this without robbing the flower of its fragrance. If he had done that—but why speculate? He did not; he kept it as sweet as he found it.

"Eckford did so much that there really seemed little more to do when he drew towards the close of his busy and beneficent life. But the sweet pea was never a secretive flower, and at long last, when the secret of her loves, so long held inviolable, had been wrested from her, when all about her seemed known, and when a hundred beautiful daughters surrounded her—then she laid down another card. Something came with a vengeance, but it was not the buttercup yellow, nor yet the gentian blue. It was not the development of color at all, but of form. We gasped in sheer amazement. This astonishing flower had made an absolutely new, revolutionary, cataclysmic, prestidigitatory, thaumaturgic change in the form of its standard. Left comfortably smooth and flat by Eckford, it suddenly threw a variety with a standard that was heavily waved or crinkled.

"A waved standard! And with it increased size of flower! A crinkled standard in itself might not have vanquished us, for it might have meant a flower of shriveled and meagre appearance; but Nature seemed to have resolved to carry her new sweet pea



SOME OF BURBANK'S NEWER AMARYLLIS—WHITE AND LIGHT SHADES.





BURBANK'S AMARYLLIS—A MEDIUM SIZED FLOWER.

scheme through thoroughly, and increased the material in the petal to allow for the folds. The waved flower reigns. While my pen flows along the paper in shaping these words, the thought crosses my mind: 'Has the sweet pea other revolutionary secrets in her keeping? Shall I have to modify the first sentence of this paragraph when I write an introduction to the twenty-fifth edition of the present work? I know not. All I know is that in this, the tenth year of the twentieth century, the waved sweet pea reigns. It reigns supreme, unchallenged. It has taken the sweet pea world by storm, and by the appeal of its wonderful beauty has brought thousands of new devotees into the fold. All the world yields to its beauty and grace.'

The original sweet pea of this new giant waved type was found in 1900 at Althorp Park, Northampton, Eng.,

by Silas Cole, gardener to Countess Spencer, after whom it was named. Mr. Cole seems to think it was the result of a cross of Prima Donna with another seedling made in 1899. The fact, however, that the same waved form of flower, although of smaller size (Gladys Unwin) was found by W. J. Unwin, of Histon, Cambridgeshire, Eng., and also identically the same variety as Cole's Spencer, was found in a row of Prima Donna in the gardens of Henry Eckford, would seem to prove that this new type has been entirely "created" by Nature without any immediate aid from man—a sort of natural, or rather ought I to say, unnatural, and most remarkable evolution?

My friend, Robert Sydenham, of Birmingham, Eng., purchased the original stock of Countess Spencer from Mr. Cole and sent the seed to us in 1902 to grow for him. He in-

troduced this variety in England in 1904. With his kind permission we first offered it the following year (1905) in America, and at the same time introduced also Mrs. Sydenham or Orange Countess (now known as Helen Lewis) and Florence Spencer, a selected strain of which is now known as Florence Morse Spencer. In this same season of 1905 we introduced a mixture which we called "The new race of gigantic orchid-flowered sweet pea seedlings of Countess Spencer." At the same time we had, of course, advised our friend, Mr. Sydenham, of the remarkable break in Countess Spencer and told him that in a few years from separate selections being made we hoped to have many different colors. We did not realize then how difficult it would be to fix these sports of Countess Spencer, nor in fact how much careful selection and re-selection



would be necessary to really establish even the original Countess Spencer and the other two varieties introduced that year (1905) on a basis of fixity where they could be depended upon to come true from seed.

#### SPORTIVE TENDENCIES.

The tendency of the original Countess and all her children to sport has been, however, really a blessing in disguise, for now, by careful work on the part of American and English growers, not less than 40-50 varieties have been fixed so that they come practically true from seed. None but the grower, or those in close touch with the growing of sweet peas, can have any idea, however, of the amount of patience and time involved in this selecting and re-selecting.

In the grandiflora type of sweet peas it was rarely that the same sport or seedling of the same character occurred in more than one place. The same year that Henry Eckford introduced Duchess of Sutherland we introduced Modesty, and both proved identical. The same year House & Son, of Bristol, Eng., introduced Lord Nelson we introduced Burpee's Brilliant Blue—both proved identical. The only other case of identity in new varieties of grandiflora type which I can now recall is that after introducing Aurora the next season in visiting my friend, the late Henry Eckford, at his home in Wem, he showed me where he had the same variety but had not up to that time introduced it.

The fact that frequently the same colors in Spencer have occurred simultaneously with different growers in England and in America shows almost conclusively that these were all "creations" of Nature, or sports, rather than the result of cross-breeding by man, although, of course, such new varieties were only made possible by the breaking up into different colors and advancing of the grandiflora type by the late Henry Eckford, who well deserves his imperishable fame as the "Father of Sweet Peas."

In most cases the new varieties of the Spencer type have retained the same coloring as the grandiflora varieties. For this reason and to prevent confusion we adopted the plan of giving descriptive names with the word Spencer added—as in the case of Burpee's White and Primrose Spencers, Apple Blossom Spencer, Aurora Spencer and King Edward Spencer. One illustration of the occurrence of practically the same new Spencers in England and America it might be worth while to mention. In 1903 at the luncheon given by Leonard Sutton at Reading, Eng., to the visiting members of the National Sweet Pea Society of England, in his introductory remarks he said that while the Spencer type of sweet peas was making wonderful progress he thought it would be a long while before any sweet pea could become more popular or more beautiful than that named for His Majesty King Edward VII. In replying I told Mr. Sutton and his guests that the vice-president of the society, Mr. Cuthbertson, whose gardens I had visited in Essex, and ourselves each had a Spencer form of King Edward VII ready for introduction in 1909, but that I would glad-



SWEET PEA MRS. ROUTZAHN SPENCER.

ly agree to call it King Edward Spencer. After further consultation with Mr. Cuthbertson he thought, however, that his was a little different from ours and, therefore, his firm (Dobbie & Co., of Scotland) introduced theirs the same year as The King.

#### LAST YEAR'S SPENCERS.

It is worthy of note that the varieties of Spencer sweet peas which are of the same color as existing varieties of the grandiflora type, generally come more readily true to color than do those which combine with the distinctive large waved form of the Spencers also new colorings. While King Edward Spencer and The King both came quite true from seed, yet Mrs. Routzahn, which we introduced the same year, being of an entirely new combination of colors (light apricot and straw) sported so badly that an entirely new re-selection was necessary. Similar coloring introduced in England (Mrs. Henry Bell) behaved in like manner. We have had a like experience, much to our regret, the past season. Of the four varieties introduced this season by Messrs. Morse and ourselves, Senator Spencer, Marie Corelli and W. T. Hutchins-

came quite true, while the beautiful Miriam Beaver (deep apricot and straw) has broken so completely that we shall have to withdraw this variety from sale probably for several years at least. Our trials show that new English varieties possessing new combinations of coloring sent out this season with equally good faith have also behaved in a similar manner, so that it will require considerable courage and patience to persist in re-selection and establishment of these new colors.

One word more about the curious sportive character of the Spencer type. We were very pleased with the trueness to type of the selected stocks of Spencers this season on our own farm and the farms of several other growers in Santa Barbara and Santa Clara counties, California, but noticed one of the most remarkable examples of sporting that we have ever seen. The best re-selected stock of George Herbert, in fact, a stock that originated with our friends, C. C. Morse & Co. (and to which their Chinese gardener, Henry Ohn, in his enthusiasm had given the name of James Lick), we found both growing on their





SWEET PEA ASTA OHN SPENCER.

grounds and on our own came absolutely true except for one sport and that was a white-seeded white Spencer of which there was fully 5 to 8 per cent. Examination of the seed left over from planting showed that there was not a single white seed in the lot. We have allowed a few plants of this white to stand,—marking same to see whether we should have to lose all faith in being able to tell when in bloom a white-seeded white from a black-seeded white.

With the splendid work now being done by the National Sweet Pea Society, of England, seconded by our own new American Sweet Pea Society growers generally are awakening to the fact that the fair fame of new introductions in the Spencer type rests largely with them in being able to restrain their enthusiasm for at least a year after they consider they have sufficiently established a new color ready for introduction. The seed of sweet peas of the true Spencer type can never be produced nearly so cheaply as the grandiflora type. The roguing that is necessary is not merely to remove off colors, but also to see that the type be not allowed to deteriorate to the grandiflora form.

While most free blooming the true Spencers have the unfortunate characteristic of dropping the majority of their blooms without setting pods. So noticeable is this that the Gardeners' Chronicle, of London, last September, said, "It would not be an exaggeration to say that some of the choicest Spencers do not yield a tenth of what the old varieties do, and this in a favorable season."

If the Spencer type of sweet pea is to maintain and extend its present popularity, growers generally must aim at quality and be satisfied with a much smaller quantity of seed from a given area than has ever been recognized as a good crop of the older types. This paper is already longer than intended and I shall not attempt, therefore, to enter into any description as to the different varieties of Spencers, but shall have a number of assistants with "finders" in our trials at Fordhook when we have the pleasure of your visit on Friday, while I shall have there also several hundred copies of our little book, "Sweet Peas Up to Date," in which all those who are interested can check the varieties that appeal most pleasingly to each.

### Garden Roses.

A paper read by Alex Cumming, Jr., at the meeting of the Hartford (Conn.) Horticultural Society, June 24.

Although the rose family includes over 40 distinct classes, the types most common and desirable to the average garden are the hybrid perpetual or remontant section, the tea scented and hybrid tea, the climbing and dwarf polyantha and the hybrid Wichurajana section. The hybrid perpetual or remontant section is not, as the name would imply, perpetual as a class, but during the rose month it predominates among all the other classes. Many of the varieties, especially those of more recent introduction, bloom more or less freely during the autumn months, attaining a perfection at that time which makes them particularly useful for cutting purposes. The varieties, Mrs. John Laing, a soft pink, and Oscar Cordel, bright carmine, are among those that, during the autumn, will produce flowers on stems ranging from two to six feet. This hybrid perpetual section is also the hardiest of the garden roses, and will carry over our severe winters with a slight protection. Altogether this is still the best type of rose for the garden.

### VARIETIES.

The following varieties have proved the best in their colors after a thorough test: Crimson shades—Fisher Holmes, Jubilee, Prince Camille de Rohan, General Jacqueminot and Louis Van Houtte. Red—Tom Wood, Ulrich Brunner, Alfred Colomb and Earl of Dufferin. Pink shades—Mrs. J. Laing, Baroness Rothschild, Mrs. Sharman Crawford, Her Majesty, Paul Neyron and Mme. Gabriel Luizet. In the white and flesh shades are Clio, Margaret Dickson, Gloire Lyonnaise and Frau Karl Druschki.

In the tea scented section we find the widest range of color and they are the most delicate and fragrant of all the roses. Unfortunately this class is, with a very few exceptions, too tender for our rigorous climate. The extreme heat takes the vitality from the plant, and, followed by a hard winter, generally proves too severe for this class of roses. The plants can be potted in October and carried safely over winter in a deep cold frame or cellar. With so many hardier varieties in other equally desirable classes, it is questionable if the tea roses, as a whole, are worthy of the attention they require. The pink and white varieties of Maman Cochet, however, will, with the ordinary protection afforded roses, come through the average winter in good shape and prove ideal bedding roses, being particularly good in the late autumn.

### THE HYBRID TEAS.

The hybrid tea section, although a comparatively new member of the rose family, is now the most popular type for all-around garden cultivation. It is a hybrid between the tea scented and other hardier classes, generally the hybrid perpetual, and in most of its varieties it combines the continuous blooming qualities of one parent with the hardiness of the other, making it really more perpetual than the hybrid perpetual section. With a careful selection of hybrid teas it is easily possible to have roses in quantity from June until late in November. With this in mind, the following varieties will be found most desirable: Gruss an Teplitz, crimson scarlet; Etoile de France, velvety crimson; Richmond, scarlet red; Killarney, soft flesh pink; La France, silvery pink; Caroline Testout, satiny



pink; Konigin Karola, satiny rose, similar to and sometimes referred to as an improved C. Testout—certainly a superb variety; Kaiserin Augusta Victoria, primrose to white. Among the newer hybrid teas tested are White Killarney, a sport of Killarney, but of a stronger growth than the parent, making it a grand acquisition for garden culture as well as forcing. The Lyon rose, a beautiful combination of salmon, coral red and chrome yellow, is another most desirable variety, but does not always come perfect in summer. Rhea Reid has proved itself one of the most valuable of the recent novelties, flowering continuously throughout the hottest spells and standing the winter well. The color is a bright cherry crimson.

#### CLIMBERS.

Among climbing roses the recently introduced hybrid Wichuraiana section will, without doubt, prove the most important of the climbing roses. The Wichuraiana blood keeps this section more impervious to mildew and other fungous diseases than the polyantha type, and the rich glossiness of the foliage peculiar to Wichuraiana is usually retained in the hybrids. The growth is invariably strong and clean during the entire season and is sufficiently hardy to stand the average winter with little protection. The varieties Dorothy Perkins and Lady Gay are probably the most prominent of this group. The flowers are produced in large clusters and are quite fragrant. The colors, shading from bright to shell pink, retain their beauty even in the stages of passing away.

The single flowering types of Wichuraiana are particularly graceful when used on arches or trellises. Hiawatha, intense crimson, with the petals shading to white, is one of the best. Other notable varieties are Delight, bright

Crimson Rambler, is perhaps a trifle more hardy than the hybrid Wichuraiana. Like the latter, they are best adapted for covering arches, etc. A very pretty effect may be obtained by keeping the long growths pinned close to the ground, when they will make a perfect ground cover and bloom even better than on arches. The variety Leuchstern is one of the earliest and showiest of the polyanthas. The white colored eye on a bright rose ground makes a very pleasing combination. Rubin, also early, is of a better form and deeper shade than Crimson Rambler, but not so strong growing. Psyche, a pale rosy pink, is an extremely heavy grower, and well worth a place in the garden.

#### DWARF ROSES.

The dwarf polyantha or pompon roses were comparatively little known until the introduction of the crimson Baby Rambler, followed by the white and pink varieties. These are all useful for bordering the larger growing kinds, and are splendid for massing by themselves. Other good varieties are Marie Pavie, Schneewitchen, Paquerette and Mignonette, all on a white shade. Perle des Rouges and the new President Taft are deep crimson—a rather rare color in this section. Eugene and Leonie Lamesch are both distinct and beautiful varieties; the copper and orange shading makes a beautiful and unique combination.

Another type worth mentioning is the midget rose—Rosa multiflora nana. This is truly a midget, and is most remarkable for its hardiness and free flowering qualities. It can be grown annually from seed, and will commence flowering within 40 days of germination, and continues on through the summer. The colors are white and various shades of pink. Even the young plants will stand our

fume or nicotine and half a cake of ivory soap dissolved in five gallons of water will prove most effective. A second application should be made in six days to get the brood in the process of hatching.

The leaf roller, a green caterpillar, varying from one-half to one inch in length, is the most destructive of the insects. It attacks the young foliage early in the season and later the buds after they form and commence development. At this stage they eat their way into and completely destroy a number of buds in the course of a night. Hellebore, used at the rate of one ounce to two gallons of hot water, and applied when cool, is a good remedy. A less pleasant but much more effective way to dispose of them is to crush them between the finger and the thumb. The best time to put this method in practice is during the warm evenings or in the morning before the sun gets strong.

The rose slug, a small green worm, appears late in June or July, attacking the under side of the foliage, and may be detected by the skeletonized appearance of the leaf. The hellebore solution is the most effective for this insect.

## THE ALLIED TRADES

THE Kroeschell Bros. Co., Chicago, have issued two cards giving in condensed form much useful information for pipe workers, such as size of pipe; price per foot, standard; internal area, square inches; external area, square inches; length of pipe containing one square foot heating surface; square foot in each lineal foot; contents in gallons per lineal foot; weight of water per lineal foot, pounds; length of pipe containing one cubic foot; weight of pipe per foot; bursting pressure of standard steel pipe in pounds; working pressure of standard steel pipe in pounds; offset measurements; etc. The Kroeschell Bros. Co. will be pleased to supply copies of these cards on application.

#### A New Roof Construction.

ED. AMERICAN FLORIST:

The accompanying photograph will probably be of interest to the trade, who think an all-iron sash bar an improbability. The photo shows the interior of a house with our new patented roof construction. Tee iron bars are used and glass is butted and secured beneath the same with galvanized iron drip conductors, using brass thumb screws. All bolts on this house are brass, which adds very little to the cost. We have laid glass every way and find this by far the easiest and quickest and there can be no excuse for leaving in a broken light when it is not necessary to climb on the roof. There is perfect allowance for expansion, no putty or filling of any kind is used and lead washers are used to butt the bottom lights. The bars were a little over 16 feet long, sawed half way and bent over the pipe ridge, on top of which is a galvanized angle iron to which the bars are bolted. Two panes of glass 16x48 are used on a side, making only one butt and this can be a good one, making a perfectly dripless roof and leakage trifling. On account of the ease in removing a few lights for ventilation, we have not hurried this part



THE PORTLAND ROSE FESTIVAL.

Fire Engine Decorated with Roses.

red, with white center; Evangeline, white, tips of petals pink and deliciously fragrant, and Wedding Bells, shell pink on a white base. The Wichuraiana roses are admirably adapted for covering arbors, fences, for making a rapid mask for any unsightly objects, or covering stone work.

The climbing polyantha section, commencing with the well-known

severe winters without any protection whatever.

#### INSECTS.

Among insect pests the most persistent but least troublesome is the aphid or green fly. It appears early in the season and attacks the young tender growths, and if left alone will soon destroy the vitality of the plant. A solution used in proportion of either one and one-fourth ounces of nico





NEW IRON SASHBAR GREENHOUSE OF THE HERMS FLORAL CO., PORTSMOUTH, O.

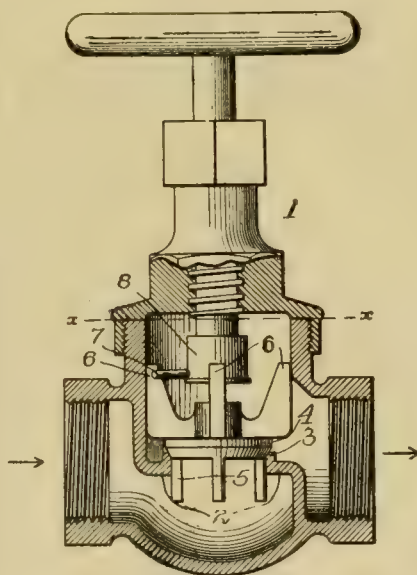
of the construction, but the sash are being made of small galvanized iron frames. We certainly think this the ideal construction for the short span, high eave style with iron gutters and posts.

HERMS FLORAL CO.  
Portsmouth, O.

#### Combination Check and Globe Valve.

The accompanying illustration shows the details of a new valve upon which W. B. Davis, of Aurora, Ill., of the firm of W. B. Davis & Co., has secured a patent. The valve is intended for use on steam heating pipes to take the place of two valves, viz., a check and globe or gate valve, where these are now used. Besides the expense of two valves the room taken up is often an important consideration. Those acquainted with steam fitting know how important it is to keep water from other radiators or pipes from backing up into a set not in use, also to prevent water from the boiler backing up into city water pipes or returns on steam runs, all of which is prevented by the use of this new valve, in addition to its use as a gate valve.

In repairing broken pipes or taking pipes apart the ordinary check valve is not to be depended on. If not in perfect working order the steamfitter is liable to get a bad scalding from steam and water forced back through the inoperative check valve. In the present valve the disc or plunger can be screwed down hard and there is no fear of anything of the kind happening, while when left open it acts



Combination Check and Globe Valve.

simply as a check valve. A stub projects from the lower end of the valve stem and when the stem is turned this stub strikes one of the upper guides of the plunger, causing the plunger to turn also, thus preventing it from striking shut when the stem is raised, also causing it to grind out any dirt or scale that might collect on the seat so that it always closes perfectly tight. The advantages of this valve are many. In the first place it is cheaper, sav-

ing the price of one valve; it may be fixed where room is scarce and, should scale or dirt collect around the plunger it can be cleaned almost instantly by closing it down and opening it once or twice. It is of course a far better arrangement than having gate valves at either end of a run of pipes as this means the operator walking the full length of a house or run of pipes to open both flow and return valves when turning on the steam and also to close them when turning it off. Mr. Davis is not only a greenhouse man but a practical steamfitter as well and is not likely to recommend anything that is not thoroughly practical.

## OBITUARY.

### Bernard Schramm.

Bernard Schramm, Jr., member of the firm of Schramm Bros., Toledo, O., died June 24, at his residence, 816 George street, after an illness of only 12 hours of intestinal trouble. He was 31 years of age and was at work in the greenhouses the day preceding his death, but was taken suddenly ill in the night. He was the son of Bernard Schramm, one of the veteran florists of the city, and had lived all his life in Toledo. He leaves a wife, two children, his aged father, a brother, Charles, with whom he was engaged in business, and four sisters, Miss Minnie Schramm, Mrs. C. Rensch, Mrs. Frank Neiss and Mrs. Joseph Kesting, all of Toledo.



# THE AMERICAN FLORIST

1885 TWENTY-FIFTH YEAR 1910

Subscription, United States and Mexico \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application. From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

## Eastern Representatives:

A. F. FAULKNER, 1133 Broadway, New York.  
ROBT. KIPT, 1725 Chestnut St., Philadelphia, Pa.

**THE AMERICAN FLORIST,**  
824 Dearborn St., CHICAGO

**THIS ISSUE 52 PAGES WITH COVER**

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**THE Young Naturalists' League** in England, founded by W. Percival Westill about one year ago, had, on its first birthday, over 3,000 members. We would like to see so promising a start in this country where the opportunities are far greater than in England for nature study.

## Ladies' Society of American Florists.

Miss Meinhardt, president of the Ladies' Society of American Florists, has appointed Mrs. Richard Vincent, Jr., White Marsh, Md., on the board of directors to fill out the unexpired term of Mrs. W. J. Vesey, deceased.

MRS. CHAS. H. MAYNARD, Sec'y.

A MOST interesting and important paper on sweet peas by W. Atlee Burpee, will be found on page 1138 of this issue.

## National Sweet Pea Society.

The premium list for the exhibition of the National Sweet Pea Society of America to be held at St. Nicholas rink, New York, July 12-13, has been mailed and can be obtained from Harry A. Bunyard, secretary of the society, 342 West Fourteenth street, New York. Besides the prizes already announced there are a number of others that are liberal enough in amount to insure a good competition in all the principal classes.

W. T. Hutchins, Santa Rosa, Calif., Professor Beal of Cornell University, and W. C. Kerr will act as judges and Mr. Hutchins and others will read papers.

## Society of American Florists.

At the mid-Lent meeting of the executive board the following resolution was passed: "Resolved, that if five or more members write to the secretary expressing an especial interest in any floricultural topic and request the organizing of a section devoted to that subject the secretary shall assign a place on the programme to that topic and shall designate it by a suitable name as a separate section." A place on the programme has been reserved for such sections and the secretary will be pleased to hear from any members who wish the organization of such a section.

H. B. DORNER, Sec'y.

## New Methods of Plant Breeding.

In the first number of the American Breeders' Magazine, Geo. W. Oliver, of the Department of Agriculture, Washington, D. C., has a long article on "New Methods of Plant Breeding," the principal plants treated on being lettuce, and alfalfa. For crossing lettuce, the author advises sowing plants of both parents early in spring in order that they flower during moderately warm weather, preferably indoors.

He advises sowing the seed bearing parent a week or so after the pollen parent to insure plenty of pollen when the flowers in the former open and the earliest flowers should be used. He describes the methods of depollinating the flowers and pollinating with the desired pollen by use of a tiny jet of water from a chip blower.

In crossing alfalfas it is necessary to emasculate the flowers at a very early stage as the anthers dehisce while enclosed in the unopened bud, but the pollen remains inoperative while the sexual column remains unsprung. The operator has to endeavor to remove the pollen from among the exploded anthers without injuring any part of the pistil and it requires delicate manipulation. A pin is used to check the springing of the column farther than is necessary, the operation being well illustrated by cuts prepared from photographs. The pollen is all washed away with a tiny jet of water, and, while the column still rests in position the stigma is pollinated, the pin withdrawn and the column allowed to take its natural position.

## American Gladiolus Society.

There was a meeting of the executive committee of the above society June 27 in New York, and the following exhibition committee was appointed to take charge of the coming show at Rochester, August 16-19: H. Youell, chairman, Syracuse, N. Y.; Arthur Cowee, Berlin, N. Y.; E. H. Cushman, Sylvania, O.; L. Merton Gage, secretary, Orange, Mass. It was also decided that amateurs or private gardeners would not be required to pay for space for their exhibits and that such space would be paid for by the society.

President Hendrickson has appointed a membership committee comprised of the following gentlemen: J. B. McArdle, 50 Barclay street, New York; Wm. Cahill, Bolton street, South Boston, Mass., and E. E. Stewart, Rives Junction, Mich. There are now 21 prizes offered for our exhibition, eight of which are in the amateur class, which include, since my last report, two more, a silver cup by Montague Chamberlain, Groton, Mass., for six best named varieties, one bloom each, exhibition by an amateur, and a silver cup by L. Merton Gage, Orange, Mass., for best collection of blue gladioli, exhibited by an amateur. The following awards have also been placed in the amateur class: F. R. Pierson, Tarrytown, N. Y., \$5 in gold for best collection of white throated named varieties; \$5 in gold for best collection of mottled and striped varieties. Stump & Walter Co., \$10 in gold for 12 best varieties, three spikes each. A. T. Boddington, New York, \$5 in gold for best collection of yellow named varieties. John Lewis Childs, Floral Park, N. Y., \$5 in gold for best vase of America, not less than 12 spikes.

## RULES GOVERNING THE EXHIBITION.

(1) All entries must be made to the recording secretary (L. Merton Gage) three days before the first day of the exhibition, on blanks provided by the secretary for the purpose.

(2) Exhibits in competition for prizes must be of the exhibitor's raising.

(3) Exhibits must be in place before 12 (noon) each day on which exhibits are to be judged.

(4) Exhibitors will be awarded but one premium in each class in which they compete and then only where the exhibits on their merit warrant the judges in making awards.

(5) Exhibitors are requested to keep their flowers in fresh condition during the time the exhibition remains open.

(6) While the society will take reasonable care of the property of the exhibitors, yet it will not in any way be responsible for the loss or damage of anything exhibited.

(7) Exhibits, after being staged cannot be removed until the exhibition is closed, without the consent of the exhibition committee.

(8) The society requests exhibitors to attach labels to exhibits. Correct naming of varieties is very important.

(9) Exhibitors will be required to provide tables and everything else necessary for table decorations.

(10) In entering, every exhibitor agrees to be governed by the rules.

L. MERTON GAGE, Sec'y.

Orange, Mass., July 2.

## Meetings Next Week.

Baltimore, Md., July 11, 8 p. m.—Gardeners and Florists' Club of Baltimore, Exchange hall, St. Paul and Franklin streets.  
Chicago, July 13.—Gardeners' and Florists' Union No. 10,615, 10 and 12 Clark street.



Cleveland, O., July 11, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit avenue.

La Crosse, Wis., July 12.—La Crosse Gardeners' and Florists' Society, Hotel Stoddard.  
Lake Geneva, Wis., July 16, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.

Madison, N. J., July 13, 8 p. m.—Morris County Gardeners' and Florists' Society, Masonic Hall.

New London, Conn., July 13.—New London County Horticultural Society, Elks' Hall.  
New Orleans, La., July 10, 2 p. m.—Gardeners' Mutual Protective Association, 118 Exchange alley.

New York, July 11, 7:30 p. m.—New York Florists' Club, Grand Opera House building.

New York, July 13, 4:30 p. m.—Horticultural Society of New York, American Institute rooms.

Omaha, Neb., July 14, 8 p. m.—Omaha Florists' Club, City Hall.

Pasadena, Calif., July 15, 8 p. m.—Pasadena Gardeners' Association, Board of Trade rooms, West Colorado street.

Rochester, N. Y., July 11, 8 p. m.—Commercial Florists' Association of Rochester, 416 Cutler building.

Scranton, Pa., July 15, 7:30 p. m.—Scranton Florists' Club, Guernsey building.

Springfield, O., July 11.—Springfield Florists' Club, office of the Good & Reese Co.

St. Louis, Mo., July 14, 2 p. m.—St. Louis Florists' Club Odd Fellows' building, 9th and Olive streets.

Toledo, O., July 13.—Toledo Florists' Club.

Winnipeg, Man., July 13.—Winnipeg Florists' Association.

### An Ower-Fed Bird.

Na, Geordie Watson, ye were wrang,  
Nae Hieland scones or toddy  
Hae pow'r to draw a Scottish sang  
Frae this puir Irish body.

"Wha tastes o' mither's cherry pie,"  
Ye swore, "that instant learns  
In wamefu' praise of it to sigh  
An' sing like Robbie Burns."

Yet now my thrapple's felt its fouth,  
Wi' pie my kyte is thrang,  
But there's nae sound upon my mouth  
That's vera like a sang.

Hoots man! I hae nae words ava,  
An' O! it grieves me sair.  
The pie has ta'en my breath an' a';  
There's room for naething mair.

Yon cantie robin puts to shame  
Sae puir a bird as I;  
He has but worms in his wee wame,  
Whilst I hae cherry pie.

Na, Geordie Watson, ye were wrang!  
Nae Hieland scones or toddy  
Hae pow'r to draw a Scottish sang  
Frae this puir Irish body.

—T. A. Daly in the Philadelphia Catholic Standard and Times.

[Verse will not convince Geordie, nor prose.  
Try "Bonnie Doon." That's soothing any-  
way.—Ed. A. F.]

## Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs.. See Ready Reference Section.

Where answers are to be mailed from this office,  
enclose 10 cents extra to cover postage, etc

**Situation Wanted**—Gardener good at growing pot plants under glass, vegetables and all outdoor work; first class refs.; private place preferred; single, age 34.

Address GARDENER, care American Florist.

**Situation Wanted**—Cornell student who has had practical experience in retail flower store and in nursery lines desires a good position on the Pacific coast; would invest in suitable place.

Key 147, care American Florist.

**Situation Wanted**—By sober young man, experienced growing general line of cut flowers, capable of taking charge of section or commercial place; Northwest preferred; state wages.

Address Key 146, care American Florist.

**Situation Wanted**—By practical middle-aged florist; life experience in growing roses, carnations, violets, chrysanthemums and bedding plants; single, sober, industrious; state wages.

Address Key 149, care American Florist.

**Situation Wanted**—On private place near large town or small city by an experienced gardener, capable of laying out grounds and doing all work pertaining to planting growing and care of gardens; unexcelled references; parties looking for a reliable, steady man of good character and habits who knows his business, address

Key 144, care American Florist.

**Help Wanted**—A rose grower to work in rose sections; state wages without board.  
COLE BROS., Peoria, Ill.

**Help Wanted**—Three experienced potters; give references. VAUGHAN'S GREENHOUSES  
Western Springs, Ill.

**Help Wanted**—For greenhouse work; three or four good potters. Apply to  
BASSETT & WASHBURN, Hinsdale, Ill.

**Help Wanted**—Greenhouse engineer for steam fitting and light boiler repairs; wages, \$14 per week; steady employment; married man preferred.  
K y 129, care American Florist.

**Help Wanted**—Two nurserymen who are honest and industrious; wages \$2.50 per day; steady employment and advancement if satisfactory.  
DEVILS LAKE NURSERY, Devils Lake, N. Dak.

**For Sale**—Furman boiler, size A 83; capacity, 8,000 square feet; used one winter; good as new; am going to enlarge plant  
CARL F. BREHMER Chillicothe, Ohio.

**For Sale**—Good greenhouse in one of the most desirable towns, in excellent location; three rail roads, making good shipping center; a snap.  
Apply to WM. BALLARD Perry Iowa.

**For Sale**—80-acre farm, 17 miles from Chicago, five blocks from station, sidewalk out to farm, switch track, good soil, ideal location for greenhouses, Address  
FRANCIS A. BECKER Des Plaines, Ill.

**For Sale**—Two second hand hot water boilers in a first-class condition: one for 6,000 and one for 6,500 lineal feet of 4 inch pipe.  
SUPERIOR MACHINE & BOILER WORKS  
840-850 W. Superior St., Chicago.

**For Sale**—We are changing our heating system from hot water to steam, and offer for sale 3,500 feet of 4-in. cast iron pipe, taken apart mostly in 20-ft. lengths, in good condition, at 7c per foot;  
KRING BROS., Fairbury, Ill.

**Wanted**—Second-hand hot water boiler, large enough to heat 7,000 feet of glass.  
GEO. H. LEONARD So. Portland, Me.

**For Sale or Rent**—40,000 square feet of glass, in good location; needs partial rebuilding; rent accordingly, or will sell at reasonable price.  
Key 460, care American Florist.

## WANTED

Greenhouse glaziers at once;  
75,000 ft. of glass to put in.

J. M. GASSER CO., Rocky River, O.

## WANTED

Rose grower for Killarney section;  
good wages to right man.

J. M. GASSER CO., Rocky River, O.

## WANTED.

Seedsman capable of earning  
\$1000 per year. State fully your  
experience in seed business. Address

Key 494, care American Florist.

## WANTED

Rose growers; men capable and  
experienced in growing American  
Beauties in sections; good wages and  
desirable positions.

HELLER BROS., New Castle, Ind.

## WANTED

Young man with thorough ornamental  
nursery stock training. Splendid open-  
ing for right party. Must furnish the  
best of recommendation. Address

Elm City Nursery Co., New Haven, Conn.

## Wanted—A Working Gardener

English-speaking, Protestant, married, strictly  
temperate, energetic; thoroughly practical in  
greenhouse and flower gardening and decorating;  
keep plain accounts and handle workmen actively  
and intelligently. References required. Give full  
particulars. Wages: \$80 a month, house, fuel and  
light. Address

Key 148, care American Florist.

### CARNATION GROWERS

Wanted to work as section men in houses 300x  
40 on large modern greenhouse establishment  
located in the country near Boston; also one man  
who understands sweet peas and mums; men must  
be married, experienced, steady, temperate and  
good willing workers; none other need apply;  
state age, nationality experience and give refer-  
ences when writing; wages \$50.00 per month the  
year round with a 5 room house on the establish-  
ment.  
Key 145, care American Florist.

# Trade Directory for 1910

**T**HE AMERICAN FLORIST COMPANY'S Trade Directory for 1910, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 570 pages, including complete lists of the Florists, Seedsman and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

**American Florist Company**

324 Dearborn Street, CHICAGO, ILL., U. S. A.

Contains 570 Pages **NOW READY.** Price \$3.00 Postpaid



# Reinberg's Roses

It doesn't matter where you go. **THERE ARE NO BETTER ROSES** at this time of year than ours. Our **Beauties from young stock** are simply grand flowers, with fine healthy foliage of good color; while our **Killarney, Richmond** and **Uncle John** are the finest coming to this market. Our facilities for **Packing and Icing** are of the best and insure safe arrival. **A TRIAL ORDER WILL CONVINCE YOU.**

## CURRENT PRICE LIST

| American Beauties,     | Per doz.                 | Mrs. Marshall Field, select | Per 100      | Carnations                  | Per 100          |
|------------------------|--------------------------|-----------------------------|--------------|-----------------------------|------------------|
| Long stems.....        | \$3 00                   | medium.....                 | \$6 00       | Valley.....                 | \$1 00 to \$2 00 |
| 30-inch stems.....     | 2 50                     | Bridesmaid.....             | 4 00 to 5 00 | Easter Lilies.....per doz., | 1 50             |
| 24-inch stems.....     | 2 00                     | Bride.....                  | 4 00 to 5 00 | Callas.....per doz.,        | 1 50             |
| 20-inch stems.....     | 1 50                     | My Maryland, select.....    | 6 00         | Asparagus Plumosus,         |                  |
| 15-inch stems.....     | 1 25                     | medium.....                 | 4 00 to 5 00 | extra quality..per bunch,   | 50               |
| 12-inch stems.....     | 1 00                     | Chatenay.....               | 5 00         | Fancy Ferns.....per 1000,   | 2 00             |
| Short stems.....       | \$4 00 to \$6 00 per 100 | Ivory.....                  | 5 00         |                             |                  |
| Richmond, select.....  | Per 100 \$6 00           | ROSES, our selection.....   | \$3 00       |                             |                  |
| medium.....            | \$4 00 to 5 00           |                             |              |                             |                  |
| Killarney, select..... | 6 00                     |                             |              |                             |                  |
| medium.....            | 4 00 to 5 00             |                             |              |                             |                  |

**Peter Reinberg,** 35 Randolph St., CHICAGO.

### Chicago.

#### STOCK A LITTLE SHORTER.

While, unfortunately, there is still too much poor stock on the market there has been a decided shortage in good roses and carnations and were trade only as brisk as it was a week or two ago the shortage would be serious. The recent hot weather rushed the roses out and the decided cold wave of Sunday and Monday last prevented the flowers opening. Business in long distance shipments, especially to the far west and northwest, has fallen off considerably during the last seven days, a heat wave out there being held responsible for this by some. But in the middle west and the country served regularly by shippers from this market the business is far better than usual at this season. The Fourth is never looked upon as a big day for flower business but several wholesalers report an excellent day's trade, although they closed soon after midday.

This has certainly been a hard season on carnation plants: First the frost and now the heat giving those growers who have a light soil to contend with an anxious time of it. Some growers have their benches and soil all ready for planting but have to wait for rain before lifting. Others report orders coming along from those who want to plant early but they are timid about lifting while it is so very dry. Meanwhile the old plants are still flowering away and the flowers are being sent to market but most of them may almost as well be thrown away at the greenhouses. They are small and poor in color and substance and hardly last out the day. Asters are drying up in the fields and the later plants have hardly taken hold. Sweet peas are worse than the asters and in many instances have collapsed entirely. Here it may be well to note the uselessness of cutting big lengths of vine with the sweet peas, as some growers are doing. It is worse than useless, for the amount of moisture that would be necessary to maintain this length of vine and amount of leaf simply cannot be passed through the hardened stems and the flowers and foliage wilt in the boxes and never pick up.

As to prices for the mediocre stock that is coming along these hardly enter into the deal. It is just a matter of getting rid of the flowers at any old price that a retailer cares to offer to clear it up. Thousands of flowers go

to the rubbish barrel and this is only another argument in favor of cleaning out the old plants from the houses and preparing for next season's stock. There is every probability that carnation plants will be scarce and this is all the more reason for getting to work on planting early. As to other flowers, orchids seem to be in about the strong-



Darby.

(The Late George R. Wheeldon.)

est position. There are still some *Cattleya Mossiae* in, a good sprinkling of *C. gigas*, some *C. Trianae* and *C. Harrisoniae*, but the flower of the week is *C. Gaskelliana*, proving our oft-repeated advice about growing this pretty species to fill the gap between *C. Mossiae* and *C. labiata autumnalis* to be sound commercially. *C. Gaskelliana* comes nearer *C. labiata* than any other species, except the little grown spring flowering *C. Warneri*, yet it is quite distinct, both in flower and season and an excellent species. Now that the wedding demand is slackening valley is not quite so much in demand, but there is still good stock in the market. Peonies will be on tap

for another couple of weeks probably but their glory is departed. Other small flowers there are in plenty and a few delphiniums and other hardy herbaceous flowers are seen. They are not up to their usual form though and do not create much stir.

#### NOTES.

The "sane Fourth" was celebrated at Hinsdale by an old-time parade of floats and autos. Over 30 autos were in the parade, all finely decorated, and it is calculated that at least 10,000 people were in the village that day. C. L. Washburn had his car decorated with flags and bunting. The greenhouse boys, members of the order of Maccabees, had a float with two rooms in one of which were two people nursing a third; in the other Joseph Kohut, the head carnation grower, taking care of a family. The other room was in charge of Henry Doodie, and the whole thing caused much favorable comment. The B. & W. ball team were in the procession in uniform and played a game in the afternoon. A fine display of fireworks was given in the evening.

At Bassett & Washburn's the young Beauties are still arriving in good condition, also Kaiserin. Mr. Washburn says trade is keeping up extremely well for the season, orders for shipping to out-of-town points at reasonable distance being plentiful though some of the longer distance shipments have been cut down. They are ready to go on with carnation planting at Hinsdale but the weather is too dry and they will probably not lift any until after a rain has fallen.

The remains of Geo. R. Wheeldon (Darby) were laid at rest in Mt. Greenwood cemetery June 30. The funeral arrangements were completed at Undertaker Ralston's early in the forenoon. J. C. Vaughan, August Lange, L. H. Winterson, T. E. Waters and John Bruchner were in attendance. Walter Wheeldon, son of the deceased, who is a deaf and dumb printer, came on from Buffalo and, with Messrs. Lange and Bruchner, accompanied the remains to the cemetery. There was a profusion of flowers, mostly from the trade.

At the J. A. Budlong Co.'s store good roses and carnations continue to arrive notwithstanding the heat and, while out-of-town shipping trade has fallen off a little, Phil Schupp manages to clear up in pretty good shape daily.



# Summer Flowers

We devote a whole range of glass exclusively to **Kaiserin, Maryland, Killarney, Rhea Reid and Summer Beauties.** These are the best roses for hot weather. We bring our flowers in from our own greenhouses two and three times per day, after they have been thoroughly chilled and hardened. With the best facilities, our own growth of stock and long experience we solicit your trade. All goods billed at market prices.

BUY DIRECT OF THE GROWERS

## Bassett & Washburn

Store and Office: 76 Wabash Ave.,

CHICAGO

Greenhouses: HINSDALE, ILL.

# Poehlmann's Flowers

are justly celebrated all over the United States for their fine quality. Our unexcelled facilities, both at the greenhouses and our wholesale store, enable us to handle the flowers, even in the **hottest weather** with promptitude and dispatch, insuring their arrival in first-class condition, no matter how far they are shipped. The stock we are now cutting is of exceptionally good quality and substance for the season.

Our **Beauties** of medium and shorter grades from young plants are splendid stock, fine foliage, good stems and flowers of fine color. **White Killarney** is in great shape and we have plenty for everybody. Also **Killarney, My Maryland, and Richmond.**

**Carnations** in all the leading varieties including fine **Enchantress, Winsor and Lawson,** are exceptionally good for this season of the year. **Home Grown Orchids,** fine fully developed flowers a specialty with us.

**Valley and Harrisi Lilies all the Year Round.**

**POELHMANN BROS. CO.** OFFICE AND SALESROOM:  
33-35-37 RANDOLPH STREET. Chicago,  
LONG DISTANCE PHONE, RANDOLPH 35.

Chas. J. Bond, late of Philadelphia, who started up in orchid growing at Naperville some time ago, is cutting his first flowers. **Cattleya Trianae** and **C. Harrisoniae** are among the principal ones now being cut, the former considerably out of season, as frequently happens with newly imported stock. The flowers are good and of fine varieties. Mr. Bond consigns the whole of his cut to **Vaughan & Sperry.** At present he has two houses, each 27x100 feet, devoted to orchids.

**Hoerber Bros.** continue to receive fine stock from their **Desplaines** plant, which cleans up well. **Harry Mannheim,** of this firm, left for **Dyer, Ind.,** on Saturday on a visit to **Mrs. Mannheim** and family, who are making a lengthy stay there. **Harry** says he doesn't care for the bachelor life, but he looks well on it.

Some of the finest carnations coming to this market now are from the range of **P. Meuret, Park Ridge.** Mr. Meuret's range is not large, but he certainly produces the goods in quantity and of good quality. He has 15,000 feet of glass devoted to carnations entirely.



## ORCHIDS

A SPECIALTY.

Fancy stock for Weddings and all occasions. Also full line of all **Cut Flowers, Florists' Supplies, Greens, Wire Work, Etc.**

Send for Quotations.

**CHAS. W. McKELLAR**

51 Wabash Avenue.  
**CHICAGO.**



# Peonies, Valley, Sweet Peas.

All other Seasonable stock at Chicago Market Prices.

## VAUGHAN & SPERRY

LONG DISTANCE PHONE  
CENTRAL 2571.

52-54 Wabash Ave., CHICAGO.

The McNeeley Floral Shop, 1153 E. Sixty-third street, is certainly receiving its share of business. During commencement week at the Mandel high school on Woodlawn avenue, the firm made 175 bouquets of daisies for as many students, the average price received for same being \$1.75. On June 29 the home of Mrs. Marshall, 1347 E. Sixty-second street, was decorated, the occasion being the wedding of her daughter to Wm. Gross. The decorations were in white and pink. The bride carried a bouquet of lily of the valley and white sweet peas. The bridesmaids carried bouquets of daisies. Over the bay window was a canopy of white roses; palms and asparagus were also used in decorating the home. The dining room was trimmed with Killarney roses. Last week this firm also decorated the Lexington Baptist church at Sixty-second and Lexington avenue for the wedding of Miss Henderson, 6111 Woodlawn avenue, peonies being used. The bride carried a shower bouquet of lily of the valley and the eight bridesmaids carried bouquets of carnations. Peonies were also used for the home decoration at 6111 Woodlawn avenue. Ernest Schaefer, formerly with Paul Blom on N. Clark street, is manager of the place. The store is handsomely equipped and the ice-box is one of the best in the city. A greenhouse will be built in the rear of the store in the near future.

At Peter Reinberg's the new Beauties continue to arrive in fine shape and the shipping trade keeps up fine. Tim Matchen takes a week end trip to Round Lake this week. A very sad affair happened at the Reinberg carnation "farm," July 4, when John Gawry was accidentally shot by Richard Webber and killed instantly. It appears that they had been handling a revolver and Webber, believing it to be empty after firing several times, pulled the trigger and for some reason it missed fire. Becoming careless he pulled it again and, the gun happening to point in Gawry's direction, the bullet caught him fair between the eyes, killing him instantly.

A very clever design was got up in the shape of a broken column by F. G. Mueller, 329 E. Thirty-fifth street. It consisted mostly of solid white carnations; with Killarney roses and Boston ivy entwining the column, while Easter lilies and white carnations made up the base. It stood five and one-half feet high and was delivered to 8801 Lafayette avenue, where the funeral of John Buchannan was held the latter part of last week. Mr. Mueller also had a wedding decoration at 1300 Milwaukee avenue on July 3.

At Poehlmann Bros. Co. the summer trade has kept up remarkably well and few of the many thousands of fine roses and carnations that come here from the greenhouses are wasted. White Killarney roses, Easter lilies and valley are three choice offerings

here, all in the pink of condition. John Poehlmann says they are continually getting new customers who give standing orders for shipments to be sent daily. Carnations are very good for the season though all this class of stock begins now to look a little the worse for wear.

Robt. A. Smythe, of Benton Harbor, Mich., has been in town this week looking up cement benches. He appeared to be much pleased with the Garland bench as seen at various places at Desplaines and elsewhere. He reports business fair now, but it has been very good. Rain is badly wanted for the crops in his section. His fruit farm will probably bring about one-fourth of an average crop this season, owing to the freeze in early spring.

The arrival of the outdoor gladioli at Kennicott Bros. Co. has had the effect of shading the price of the indoor grown stock. Both are elegant flowers. Peonies are not arriving now in any quantity here, but there is considerable cold storage stock still left over in good condition. June here was a record-breaker.

Zech & Mann had a big day for the Fourth of July. Stock continues to arrive here in quantity and fair quality for the season and John Zech certainly strives hard to push it out, handling big quantities and giving the retailer the advantage of plenty of stock at low prices.

A serious fire occurred at Adam Zender's, July 4, in the afternoon, started by some boys playing with matches. Part of the greenhouses and barn were burned and one horse, making altogether a loss of about \$10,000, with very little insurance to meet it.

At Wiator Bros. the flowers are excellent for the season, though naturally not of the same quality as a few weeks ago. At the greenhouses things are looking well and the young stock recently planted is making an excellent growth.

Miss Margaret Guernsey, of the Fleischman Floral Co., has gone east for a couple of weeks' vacation, to look up old friends and attend the florists' outing July 7, at Witzel's Grove, Long Island, N. Y.

C. W. McKellar has fine Cattleya gigas on show this week, the flowers large and well colored. He reports business as keeping up remarkably well for the season.

At Geo. Reinberg's we noted fine Cattleya gigas, C. Gaskelliana and C. Mossiae. These orchids and good smilax and asparagus are about the best sellers now.

Miss M. C. Gunterburg, of the Flower Growers' Market, has gone to Fairmount, Minn., for a month on a vacation trip and to visit with her sister.

J. E. Farrell, 4643 State street, reports business as rather quiet. Mr. Farrell closed up his store at 1058 Garfield boulevard, a few months ago.

John Evans of Richmond, Ind., and O. P. Bassett of Hinsdale met in Paris

and paid a very pleasant visit together to some of the rose gardens there.

J. F. Kidwell & Bro., 959 E. Forty-third street, report business as brisk as usual, which consists mostly of funeral and wedding work.

W. L. Sullivan and S. Friedman of the Woodlawn Floral Shop, 863 E. Sixty-third street, are giving their store a general remodeling.

All florist growers are anxious about their water supply and many field plants are suffering.

Vaughan's Seed Store is receiving California freesias this week and the French stock is on the way.

Kyle & Foerster report business good. We noted fine gladioli and Easter lilies here.

H. J. Stockmans and wife will sail for Europe July 9 from Montreal.

Visitors: J. W. Tarr and wife, Enid, Okla.; R. A. Smythe, Benton Harbor, Mich.; Jos. Brown, of Brown Bros., Vancouver, B. C.; Herman Levin of Stein & Levin, San Francisco; M. M. Miesse and wife, Lancaster, O.

### Twenty Years Ago.

JULY, 1890.

Phlox Star of Quedlinburg was among the novelties.

The pretty old Mme. Falcot rose was grown considerably around New York and found very profitable.

At a sale in New York state the plants and pots were sold separately and when A. bought plants and B. the pots it led to some amusing incidents.

Madame Crozy was among the novelties in cannas.

Two new ponds for aquatics were made in Lincoln park, Chicago, and the statue to Linnaeus, the great Swedish botanist, was erected.

The yellow calla (Elliottiana) was introduced in England.

A destructive hailstorm broke \$100 worth of glass and ruined 1,000 seed trials at W. Atlee Burpee's place at Fordhook.

WADING RIVER, N. Y.—E. S. Miller is recovering slowly from the effects of his recent accident.

KOKOMO, IND.—W. W. Coles and family spent the Fourth at Oden, Mich., their summer home.

INDIANAPOLIS, IND.—This city will have a flower show this fall from November 8 to 12, the first which has been held here for five years. The State Florists' Association will make an effort to have the display the largest ever witnessed here and prizes to the amount of \$2,000 will be offered.

VICTORIA, B. C.—The rose show held in the Assembly hall by the Horticultural Society on June 28, was a complete success. The general excellence of the display was so pronounced that the judges had a difficult task in making the awards. Their decisions, however, were received very favorably.



# Cut Flowers E. H. HUNT

FOR ALL OCCASIONS.  
FLORISTS' SUPPLIES TOO.

— SEND FOR PRICE LIST. —  
76 Wabash Avenue, CHICAGO.

## KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., Chicago  
L. B. Phone Central 466.

We will have anything in the line of  
**CUT FLOWERS and GREENS**  
that you may want if anybody has it, at  
Chicago market prices on day of shipment.  
Mention the American Florist when writing

## A. L. Randall Co.

19-21 Randolph St.,  
CHICAGO.

L. D. Phone Central 1496. Private Exchange  
All Departments. If you do not receive our  
price list regularly send for it.  
Mention the American Florist when writing

## J. B. DEAMUD CO.

Wholesale Cut Flowers

51 Wabash Ave., CHICAGO  
Long Distance Phone Central 3155.

Mention the American Florist when writing

### Horticultural Society of Chicago.

J. H. Burdett, secretary of the Horticultural Society of Chicago, announces a meeting at the Art Institute on July 19 at 2 p. m. A special order of business will be the election of a president to fill the vacancy caused by the death of William E. Kelley. An amendment to the by-laws proposed by the executive committee at the last quarterly meeting will be voted on at this meeting, the amendment being along the lines indicated below:

"An annual meeting of the executive committee shall be held as soon as possible after the annual meeting of the society in January to elect a chairman for one year, or until his successor is elected and qualified. He shall preside at all meetings he attends and, with the consent of the committee, appoint all subcommittees except otherwise provided for.

"Meetings may be called by the chairman at any time on not less than three days' written notice, or by consent of five other members on emergency without notice. Meetings shall also be called by the secretary on three days' written notice at the order of the president, or at the request of three members of the committee."

"No funds of this society shall be expended, or indebtedness created, except by appropriation made at a meeting of the executive committee and all appropriations shall receive the affirmative votes of five members present on roll call."

## J. A. BUDLONG

37-39 Randolph Street, CHICAGO.  
Roses and Carnations  
A Specialty..... WHOLESALE GROWER of CUT FLOWERS

## E. C. AMLING

THE LARGEST,  
BEST EQUIPPED,  
MOST CENTRALLY LOCATED  
WHOLESALE  
CUT FLOWER HOUSE  
IN CHICAGO.  
32, 34, 36 RANDOLPH STREET,  
CHICAGO.  
L. D. Phone Central 1978 and 1977.

Mention the American Florist when writing

## Wholesale Flower Markets

| CHICAGO, July 6.                |                 |  |
|---------------------------------|-----------------|--|
| Roses, Beauty, extra select ... | 3 00            |  |
| " " specials.....               | 2 50            |  |
| " " 36 in .....                 | 2 00            |  |
| " " 30 in .....                 | 1 50            |  |
| " " 18 in .....                 | 1 25            |  |
| " " 15 in .....                 | 1 00            |  |
| " " Short .....                 | 50@ 75          |  |
| Per 100                         |                 |  |
| " Bride, Bridesmaid, select..   | 3 00@ 6 00      |  |
| " " medium .....                | 2 00@ 2 50      |  |
| " Killarney, select.....        | 3 00@ 6 00      |  |
| " " medium and short.....       | 2 00@ 2 50      |  |
| " Kaiserin.....                 | 3 00@ 8 00      |  |
| " Mrs. Jardine .....            | 3 00@ 6 00      |  |
| " Chateau.....                  | 2 00@ 6 00      |  |
| " My Maryland.....              | 2 00@ 6 00      |  |
| " Perle.....                    | 2 00@ 6 00      |  |
| " Richmond.....                 | 3 00@ 6 00      |  |
| " Uncle John.....               | 3 00@ 6 00      |  |
| " White Killarney, select.....  | 4 00@ 6 00      |  |
| " " medium .....                | 2 00@ 3 00      |  |
| Carnations, select fancy .....  | 1 50@ 2 00      |  |
| Cattleyas.....per doz..         | 4 00@ 6 00      |  |
| Lilium Harrisii.....per doz..   | 2 00 8 00@10 00 |  |
| Lily of the Valley.....         | 2 00@ 4 00      |  |
| Mexican Ivy.....                | 75@ 1 00        |  |
| Peonies.....per doz..           | 25@ 50          |  |
| Sweet Peas.....                 | 50@ 1 00        |  |
| Adiantum.....per 100..          | 75@ 1 50        |  |
| Asparagus Plum. strings, each.. | 60@ 75          |  |
| " " sprays.....                 | 3 00@ 4 00      |  |
| " " Sprengeri.....              | 3 00@ 4 00      |  |
| Ferns.....per 1000..            | 2 00            |  |
| Smilax.....                     | 1 50@ 2 00      |  |

"The president, the vice presidents and the chairman of the executive committee shall constitute an auditing committee, of which three members shall be a quorum and the chairman of the executive committee shall act as chairman; and no bills shall be passed except after approval at a meeting of the auditing committee or, in case of emergency, on the written endorsement of three members of the auditing committee. The auditing committee shall have supervision of accounting, emergency advance of funds and the issuing of passes and tickets, and the employment of ticket takers and ticket sellers at all exhibitions of the society."

## WIETOR BROS.

Wholesale Growers of Cut Flowers

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.  
Mention the American Florist when writing



Mention the American Florist when writing

## HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.  
Store: 51 Wabash Avenue CHICAGO  
Mention the American Florist when writing

## Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO  
Telephone, Central 3284.

Mention the American Florist when writing

## Quality Counts..

Let us have your next order for

Roses and Carnations

and other Seasonable Flowers.

JOHN KRUCHTEN,

51 Wabash Ave., CHICAGO.  
Mention the American Florist when writing

W. P. KYLE

JOSEPH FOERSTER

## Kyle & Foerster,

WHOLESALE FLORISTS

51 Wabash Ave., CHICAGO.  
Long Distance Phone, Randolph 3619.

FORT WAYNE, IND.—W. J. & M. S. Vesey expect to make a specialty of orchids and fancy plants in addition to their other lines. They have engaged Samuel Hudson to take care of this line of the business. Mr. Hudson comes very highly recommended from the Harvard Botanic Gardens.



## American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

## Rice Brothers

Wholesale Florists and Supplies,

115 N. 6th St., MINNEAPOLIS, MINN.

Cut Flowers received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities

Mention the American Florist when writing

## THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

Mention the American Florist when writing

## Weiland & Olinger

128 E. Third S., CINCINNATI, O.

Wholesale Growers and Shippers of Cut Flowers.

## William Murphy,

Wholesale Commission

FLORIST

11 Main Street,

CINCINNATI, OHIO.

New Bedford, Mass.

Odd Fellows hall was full of beauty and fragrance June 23, when the Horticultural Society held its rose show. Occupying the center of the hall was an oval of green ferns, palms and shrubs. Ranged around it were wonderful rambler roses of four varieties, two tubs of Lady Gay roses, and tubs of Coquena, Hiawatha and Minnehaha. These roses were exhibited by M. H. Walsh of Woods Hole. Surrounding the central roses were tables covered with white paper, upon which stood hundreds of crystal vases, each holding up to the eye for admiration a fragrant rose. These roses came from the Rogers estate, and from the gardens of Mr. Walsh and Miss Fay at Woods Hole, as well as from private exhibitors. Conspicuous among the flowers was a rare exhibition of water lilies.

Conspicuous among the roses was the table of Frau Karl Druschki—mammoth white roses from the estate of H. H. Rogers. Near by were some very beautiful bouquets of pinks, pink spirea, and sweet peas. The yellow roses, J. Pierre Notting, from the gardens of Miss Fay, were among the loveliest in the exhibition. There were also the sweet pink Madame Gabriel Luizet roses, and a large number of Crawford as well as the delicately tinted Clio. A very pretty exhibition of roses exhibited by Mrs. Amanda Kent, and a table of flowers, mainly purple, blue, pink and white and crimson sweet peas, were exhibited by H. A. Jahn. A general collection of roses and sweetbriar was among

## Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

## HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

## Wholesale Flower Markets

| BOSTON, July 6.            |             | Per 100 |
|----------------------------|-------------|---------|
| Roses, Beauty, best        | 20 00@25 00 |         |
| " " medium                 | 15 00@20 00 |         |
| " " culls                  | 5 00@10 00  |         |
| " " Bride, Bridesmaid      | 1 00@4 00   |         |
| " " Extra                  | 5 00@8 00   |         |
| " " Killarney and Richmond | 1 00@6 00   |         |
| " " My Maryland            | 1 00@8 00   |         |
| " " Carnot                 | 2 00@12 00  |         |
| Carnations, select         | 75@1 00     |         |
| " " fancy                  | 1 00@2 00   |         |
| Callas                     | 8 00@10 00  |         |
| Cattleyas                  | 35 00@50 00 |         |
| Lilium Longiflorum         | 6 00@8 00   |         |
| Lily of the Valley         | 2 00@4 00   |         |
| Smilax                     | 12 00@16 00 |         |

| ST. LOUIS, July 6.        |             | Per 100 |
|---------------------------|-------------|---------|
| Roses, Beauty, long stems | 15 00@20 00 |         |
| " " medium stems          | 8 00@10 00  |         |
| " " short stems           | 2 00@4 00   |         |
| " " Bride, Bridesmaid     | 2 00@5 00   |         |
| " " Killarney             | 3 00@5 00   |         |
| " " My Maryland           | 3 00@5 00   |         |
| " " Richmond              | 3 00@6 00   |         |
| Carnations                | 1 00@2 50   |         |
| " " fancy                 | 1 00@2 00   |         |
| Callas                    | 8 00@10 00  |         |
| Easter Lilies             | 6 00@1 00   |         |
| Sweet Peas                | 20@1 50     |         |
| Adiantum                  | 1 00@1 50   |         |
| Asparagus Sprengerii      | 2 00@3 00   |         |
| Smilax                    | 12 50@15 00 |         |

| CINCINNATI, July 6             |             | Per 100 |
|--------------------------------|-------------|---------|
| Roses, Beauty                  | 1 00@4 00   |         |
| " " Bride, Bridesmaid          | 2 00@6 00   |         |
| " " Golden Gate                | 2 00@6 00   |         |
| " " Killarney                  | 2 00@6 00   |         |
| " " Richmond                   | 2 00@6 00   |         |
| Carnations                     | 1 00@3 00   |         |
| Callas                         | 10 00       |         |
| Daisies                        | 50          |         |
| Lilium Longiflorum             | 10 00@12 50 |         |
| Lily of the Valley             | 3 00@4 00   |         |
| Sweet Peas                     | 1 00@1 50   |         |
| Adiantum                       | 1 00@1 50   |         |
| Asparagus Sprengerii, per bch. | 25          |         |
| Smilax                         | 12 50@15 00 |         |
| Gladiola                       | 3 00@4 00   |         |

| MILWAUKEE, July 6          |           | Per 100 |
|----------------------------|-----------|---------|
| Roses, Beauty, per doz.    | 50@3 00   |         |
| " " Bride Bridesmaid       | 3 00@8 00 |         |
| " " Killarney              | 3 00@8 00 |         |
| " " Richmond               | 3 00@8 00 |         |
| Carnations                 | 1 00@3 00 |         |
| Lilium Giganteum, per doz. | 1 50      |         |
| Lily of the Valley         | 3 00@4 00 |         |
| Magnolia                   | 35        |         |
| Snapdragon                 | 3 00@6 00 |         |
| Sweet Peas                 | 25@1 50   |         |
| Adiantum                   | 1 50      |         |
| Asparagus                  | 50@60     |         |
| " " Plumosus, per bunch    | 35@50     |         |
| " " Sprengerii             | 35        |         |
| Boxwood                    | 25        |         |
| Ferns, Fancy               | 1 50      |         |
| Galax                      | 1 50      |         |
| Smilax                     | 1 50      |         |

the exhibits shown, and was the contribution of Mrs. Horatio Hathaway. Another handsome display was that shown by Andrew J. Fish, consisting of three vases. The show was free to the public, and was largely attended, both afternoon and evening.

NEW CASTLE, IND.—The Heller Bros. Co. has been incorporated with a capital stock of \$35,000. The incorporators are P. J. Lynch, M. H. Lynch and J. D. Headley.

## J.M. McCullough's Sons Co.,

Wholesale Commission Florists.

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Special attention given to Shipping Orders.

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A Complete Line of Wire Designs.

## WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Both L. D. Phones, Supplies and Everything in Season always on hand

SACRAMENTO, CALIF.—Believing that the appropriation for the State Horticultural Commission is entirely inadequate to carry on the work, and that the state government is not properly supporting that department, the Sacramento Valley Development Association, at a meeting of the directors, June 15, went on record as favoring an increase in the yearly allotment of funds and pledged itself to urge the passage in the next legislature of such measures as will enlarge the powers of the commission and increase the maintenance appropriation. At present the commission is only allotted \$15,000 a year. This sum is barely enough to pay the salaries of the officials connected with the commission, and does not allow enough money with which to do the vast amount of work that is within the province of the department, and is its duty to handle.



# Carnations

Fancy stock,  
500 for \$7.50.

Our selection of colors. We make a specialty of having good, fresh carnations at this time of the year. Try a shipment.

# Lilies

\$1.50 per dozen.

Large, well hardened flowers of superior quality, long stems, and we can furnish them all summer in quantities.

**THE LEO NIESSEN CO.,** Business Hours: 7 a. m. to 6 p. m. Wholesale Florists, 1209 Arch Street, Philadelphia, Pa.

## Philadelphia.

### TRADE AT A LOW EBB.

The retail flower business is about at its lowest ebb, there being little worth noting. Quite a number of the trade have done sending in, and have cleaned out the houses of old stock preparatory to planting with new. Of the roses American Beauty is the leader, with My Maryland second, leading Killarney a trifle since the very warm weather set in. White roses are in good demand for funeral work which forms the bulk of the summer business. Easter lilies, now that the supply can be depended on, are a factor at this season as they keep their standard of excellence at this time as they do in winter. Auratum and Rubrum should soon make their appearance and with their showy flowers add materially to the scant summer assortment. Carnations are failing fast and do not keep well from one day to another. Double petunias are now to be had in quantity and are much used for design work.

### NOTES.

Vacation time is at hand and many of the boys are off on fishing trips and other outings calculated to make them forget business worries. John Westcott is spending the week with his family and Harry May and party at Waretown. Mrs. Julius Wolff and Mrs. Julius Wolff, Jr., are spending the summer in Europe. Walter Yates sails for Europe on July 9. While abroad he will look up a fine line of boxwood which is one of the specialties of his firm. Scarce and old coins are also interesting to Mr. Yates, who is quite a connoisseur and who has disposed of some large collections. He hopes to also pick up something valuable in this line in the foreign markets. Joseph Josephs, one of the most prominent of our curbstone brokers, is also off on a European tour.

The Leo Niessen Co. astonished the trade with the account through the daily papers of the purchase of fine properties at Twelfth and Race streets having a frontage on the latter of 59 feet, running back 100 feet in depth to Spring street. The purchase price was said to be in the neighborhood of \$60,000. It is said that a seven-story concrete building at a cost of over \$50,000, is to be erected, the first floor to be occupied by the firm to which the business will be moved from 1209 Arch street.

The monthly meeting of the Florists Club has been postponed until Tuesday July 12 when the question as to whether we are engaged in a trade or a profession will be thrashed out. Should it be determined that ours or any part of it is professional, we presume that Sir Joseph will at once confer the degree.

W. W. Crawford of 5210 Market street, took unto himself a wife Wednesday, June 29, marrying Miss A. C. Fulmer of this city. Mr. Crawford is one of the rising young men in the business. We wish the couple a long and happy life.

The Leo Niessen Co. is going to make a flower center of its own, moving one block farther up town. There is such a busy market that

### OUR SUMMER CUT OF

## Beauties, Kaiserins, Killarneys

Is now on. This stock will please you.

**McCALLUM CO.,**

937 Liberty Ave. **Pittsburg**

## Wholesale Flower Markets

| PHILADELPHIA, July 6.     |             | Per 100 |
|---------------------------|-------------|---------|
| Roses, Beauty, extra..... | 20 00@25 00 |         |
| " first .....             | 10 00@15 00 |         |
| " Brides and Maids.....   | 4 00@ 6 00  |         |
| " Tea.....                | 4 00@ 6 00  |         |
| " extra .....             | 8 00@10 00  |         |
| Carnations.....           | 2 00@ 4 00  |         |
| Cattleyas.....            | 40 00@50 00 |         |
| Gladioli.....             | 3 00@ 8 00  |         |
| Lilium Harrisii.....      | 8 00@10 00  |         |
| Lily of the Valley.....   | 4 00@ 5 00  |         |
| Peonies.....              | 3 00@ 6 00  |         |
| Snappdragons.....         | 4 00@12 00  |         |
| Sweet Peas.....           | 50@ 1 00    |         |
| Water Lilies.....         | 2 00@ 6 00  |         |
| Adiantum.....             | 75@ 1 00    |         |
| Asparagus..... per bunch  | 50          |         |
| Smilax.....               | 15 00@20 00 |         |

| PITTSBURGH, July 6.          |             | Per 100 |
|------------------------------|-------------|---------|
| Roses, Beauty, special. .... | 12 00@15 00 |         |
| " extra.....                 | 8 00@12 00  |         |
| " No. 1.....                 | 4 00@ 6 00  |         |
| " Bride Bridesmaid.....      | 2 00@ 6 00  |         |
| " Chateaufort.....           | 2 00@ 6 00  |         |
| " Killarney.....             | 2 00@ 6 00  |         |
| " My Maryland.....           | 2 00@ 6 00  |         |
| " Richmond.....              | 2 00@ 6 00  |         |
| Carnations.....              | 1 00@ 2 00  |         |
| Callas.....                  | 40 00@50 00 |         |
| Cattleyas.....               | 15 00@20 00 |         |
| Gardenias.....               | 4 00@ 8 00  |         |
| Gladioli.....                | 6 00@10 00  |         |
| Lilium Longiflorum.....      | 3 00@ 4 00  |         |
| Lily of the Valley.....      | 50@ 1 00    |         |
| Pansies.....                 | 3 00@ 6 00  |         |
| Peonies.....                 | 50@ 75      |         |
| Primroses.....               | 25@ 50      |         |
| Sweet Peas.....              | 1 50        |         |
| Adiantum.....                | 50          |         |
| Asparagus..... per bunch,    | 50          |         |
| " strings... per string,     | 50          |         |
| " sprays... per bunch,       | 50          |         |
| Smilax.....                  | 15 00       |         |

what the others do appears to make no difference to them. K.

### Baltimore.

The expected change of temperature came with a rush, the mercury soaring into the nineties and the depressing effects of the heat being magnified by the marked humidity of the atmosphere. The results upon trade have been apparent, as the throngs of home-leaving people who are off to the country, the seaside and mountains, limits naturally all requirements for social observances in the way of plants and cut flowers. One or two large funerals, notably that of Frank C. Wachter, a well-known and well-beloved political leader, former congressman, etc., made heavy demands for flowers, the tributes of his friends being at once numerous and effective. Otherwise, though there are yet a few straggling weddings, the requirements of the season are limited to the ordinary funeral and hospital calls. Notwithstanding the great heat, the character of the stock coming in is keeping up, and some very good roses are received. According to the weather bureau reports, June was abnormally

## Pittsburg Florists' Exchange,

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Home grown Cattleyas a specialty. This stock is much superior to that shipped from other points, and we can furnish you absolutely fresh Orchids at any time at reasonable prices.

Gladioli, Peonies, Roses, Beauties,  
Carnations, Sweet Peas.

All Seasonable Flowers at the Right Price.

Green and Broze Galax 65c per 1000

15 Diamond Square, PITTSBURGH, PA.

## Pittsburgh Cut Flower Company

WHOLESALE GROWERS

222 Oliver Ave., PITTSBURGH, PA.

wet—the precipitation being far above the average and there being only nine clear days in the whole month. The effect of the abundant rains upon vegetation has been most cheering to the farmers and truckers, all sorts of crops growing luxuriantly, and the harvest of grains, vegetables, etc., being amongst the most satisfactory for many years. All kinds of garden products have come into market in great profusion, and prices low—low, that is, to the grower, though to the consumer, after freight charges and middleman's and retailers' profits come out, there is not much of a decrease.

The Florists' Exchange has made another half year's record of business done—the transaction for the six months ending June 30, showing a larger increase than the concern has ever had before in any corresponding term. A considerable part of this growth, however, is due to the sale of supplies for florists and gardeners use which have become an important item of the business done by the establishment. John J. Perry, the manager, has, however, exerted himself to extend the field of the exchange, and a great many and much larger shipments of cut flowers, plants, etc., are being added to its outlets.

The transportation companies are fairly disposed toward this traffic, and seem to realize more than was formerly the case, the importance of promptness and dispatch, with careful handling, essentials to the success of the business of forwarding cut flowers to the cities and towns whose geographical location make them habitual markets for this city. S. B.



## New York.

## MARKET OVERSTOCKED.

Nobody with experience in the business expects much after July 1 and this year is therefore no disappointment. There is an enormous quantity of stock on the market that is practically unsalable. American Beauty roses probably sell as well as anything does but even they are hard to move. Of the tea roses, in inferior grades, gardenias, sweet peas and various other stocks, there is nothing favorable to say. Sweet peas, that in the early spring sold for good prices, cannot now be disposed of for one cent per bunch. Of course there are always some that sell, but alas for the surplus! The quality of gardenias is poor and they are not in reality flowers that appeal to summer buyers, consequently the best go at about what is offered, being about one cent each and the remainder are thrown out. Bunches of cut Dorothy Perkins roses have been selling about as well as anything. The color seems to appeal to the people, and wholesaling as they do at 25 cents for two good sized bunches, there is a good margin of profit in them for the retailers. In fact, the retailers, considering the season, should be making some money as they buy practically everything at their own figures. A week of hot and humid weather has added to the general discomfort and dissatisfaction. Even when it is hot here there is usually some sort of a breeze, but for several days we have had a brazen sky with scarcely enough air to move a leaf; as a consequence humanity sweaters and a portion of it swears.

## NOTES.

Wm. H. Miller, who for several years has been with A. L. Young & Co., is now with August Millang. Mr. Miller has had long experience in all branches of the business and has seen much of horticulture, both in this country and Europe.

The Greek-American outing takes place July 7 at Witzel's Grove, Long Island. The plant growers have chosen the same day for theirs, which will be at Lake Hopatcong, N. J. Doubtless both will be well attended.

H. M. Sanborn, of Oakland, Calif., accompanied by his daughter, has just returned home after spending a week in this city. Their friends at Vaughan's Seed Store have been showing them some of the sights.

Chas. Thorley has taken advantage of the summer dullness and gone to Reno to look over the flowers of the sporting world.

Frank Sheehan, for years a familiar figure in the wholesale district, is now with A. Moltz & Co. in the Coogan building.

Chas. Schenck, of Traendly & Schenck, is suffering from an attack of malaria aggravated by hot weather.

It is said that the majority of the wholesalers will close at 3 p. m. during July and August.

## Cleveland.

Trade the past week has shown a slight decrease, many people having already left the city on their summer vacations. Sweet peas have been very plentiful the past week, and retailers who have been able to use large quantities bought at very low prices. Carnations are poor and a little short of the demand, especially in colors, most growers having thrown theirs out. Rose Pink Enchantress looks very much faded as does Enchantress, while the quality leaves much to be desired. Water lilies are being used quite extensively. A fine lot of fancy ferns are on the market but dagger ferns are a little scarce.

Greens of other kinds are plentiful. Roses are showing the effects of the warm weather but good flowers of Kaiserin are coming in daily. Coreopsis is plentiful. Easter lilies are not much in demand. A fine lot of Lillium candidum is in. Canterbury bells and larkspur are in good demand.

## NOTES.

A visit to F. Witthuhn's place, 3598 West Twenty-fifth street, showed us a very modern and up-to-date store. A glass partition between the store and greenhouse displays his stock of plants, ferns, etc., to good advantage. Around the edge of the roof of the store, which is flat, he has boxes filled with all conceivable flowers which make the store very attractive from the outside.

Mrs. J. Travers, 4920 Central avenue, has moved her store to 2284 East Fifty-fifth street, just around the corner from the old stand. She has a much larger, lighter and better place and expects to do a much larger volume of business.

Read the blackboard bulletin at the Florists' Exchange about the coming convention to be held in Rochester, N. Y. For particulars ask the man.

Geo. Neubert, Connecticut avenue, has sold his greenhouses; he says he will rest a few years.

C. Darnell, of the Gosser Co., is back on the job, getting around with the aid of a stick.

Ben Hart, 8322 Detroit avenue, has an automobile in which he is breaking speed records. C. B.

## Albany, N. Y.

Arrangements for the second annual flower show under the auspices of the Florists' Club are well under way. At the last meeting of the committee for purposes of organization Frederick Goldring was named chairman, Frederick Henkes treasurer, and Robert Davidson secretary. Chairman Goldring announced the appointment of five committees as follows: Hall—Patrick Hyde, chairman, Thomas Snare, Edward P. Tracey, Cornellius Sullivan and Frank Conley. Selection of Judges—Wm. C. Gloeckner, chairman; Alfred D. Wemple and William Hannell. Programme and Printing—Frederick A. Danker, chairman; Louis Menand, Sr., Frank A. Briare, Edward F. Meany and William C. Kurth. Decorations—Samuel Goldring, chairman; William C. King, John Murnane, Jr., Charles Sanders, Harry Riggs, John J. Hagerty and John N. Butts. Premium List—John J. Berberick, chairman; Frederick A. Danker, Patrick Hyde, William C. Gloeckner, and Samuel Goldring.

To encourage out-of-town growers to compete in several classes at the show to be held in November, Chairman Goldring, Fred A. Danker and Fred Henkes, members of the committee, offered to donate cups. A communication from Stumpp & Walter, New York, was presented by Mr. Danker in which that firm offered to donate a fourth cup to be competed for under the same conditions. The next meeting of the committee will be held after the July meeting of the club at a date to be named by the chairman.

Fire was discovered in one of F. A. Danker's greenhouses on Central avenue during the afternoon of June 29. An alarm brought the fire department quickly to the scene and with the aid of a chemical stream what threatened to become a destructive blaze was extinguished. A strong wind at the time was blowing from the west and had it not been for the good work of the firemen the entire range of houses would have gone up in smoke. The loss included some Boston ferns, aspidistras, orchids and other plants, mainly bed-

ding. The damage to the house was mainly to the novelty siding, about 75 feet of which will have to be replaced. Appraisers fixed the damage at \$300 which the insurance companies paid. R. D.

## To Be Done Now.

## IN THE GREENHOUSES.

Any spare time can well be used in picking over the chrysanthemums. The side shoots soon get ahead if left alone.

Dry ventilating gear and leaky faucets are sure signs of the careless grower.

Keep the foliage of calanthes clean by sponging with a solution of soft soap occasionally. The soft scale that attacks these plants soon spoils their appearance and growth if left alone.

Expose crotons to the full sun if the plants are established, but see that there is always plenty of moisture in the atmosphere.

Spray gardenias regularly and freely, but avoid wetting the soil on the benches more than is necessary.

Try and find an outside job for the help in the middle of the hottest days but see, of course, that the watering and spraying are not neglected.

Thin mulching every week with very rich soil is better for cucumbers than heavy top dressings applied less frequently.

It is impossible to keep seedling cinerarias and calceolarias too cool during these hot July days.

Every week that cleaning and painting the inside of the houses is neglected the harder it will be to do owing to the increased size of the stock.

Moderately heavy shade and frequent waterings with a dilute solution of nitrate of soda are great helps to sickly palms.

Prepare pots, soil, and a place to put them for sowing the earliest mignonette.

## OUTDOORS.

It is not too late to attend to trees afflicted with borers. With a stiff piece of thin wire remove all the insects that can be got at and give the tree stems a good coat of lime wash.

Never water superficially. It is worse than useless and has the effect of bringing roots to the surface to be killed by the hot sun.

Plant out the latest asters and see that they are not allowed to fail for want of water. A light shade is of great benefit.

The finest stone dust from the crushers is excellent material for mixing with soil that is inclined to bake up.

When in doubt get a hoe and cut off some weeds from the places where the ordinary cultivator misses them.

Spraying the heads and feeding the roots of roses are both in order now. Good growth cannot be expected in hot weather from dry, poor soil.

Sow endives for late use in a shady position and look carefully after the young plants when they appear.

Young plantations of asparagus, rhubarb and others should not be heavily pulled and no more stalks should be taken from either this year.

Raising seedlings of herbaceous stock is very interesting work and the best or most attractive varieties should be noted while in bloom for seed saving.

Sow a little nitrate of soda on bare places on the lawn, giving a thorough watering at the same time to freshen them up.

It is never a bad time to collect sod for a good pile is one of the best assets a florist can have.



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BUFFALO, N. Y.  
Florists' Supplies and Wire Designs.

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# August Millang

WHOLESALE FLORIST

41 W. 28th St., NEW YORK

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# N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.

Open for Cut Flower Sales at 6 o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

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# P. J. SMITH,

Are the best product of the best growers for the New York market.

Adiantum Croweanum sold here exclusively.

49 West 28th St., NEW YORK

Telephone 1998 Madison Square.

BRIGHTON, N. Y.—John Helmbrecht, a landscape gardener, living in Winton road, was thrown from a wagon in Culver road, June 23. His scalp was cut and his spine injured. He was removed to the Homeopathic hospital.

# Wholesale Flower Markets

NEW YORK, July 6.

|                                    |             |
|------------------------------------|-------------|
| Roses, Beauty, special.....        | 15 00@20 00 |
| .. extra and fancy.....            | 6 00@8 00   |
| .. No. 1.....                      | 3 00@4 00   |
| .. No. 2.....                      | 50@2 00     |
| .. Bride, Bridesmaid, special..... | 3 00@4 00   |
| .. extra and fancy.....            | 1 00@2 00   |
| .. Killarney, special.....         | 4 00@5 00   |
| .. extra and fancy.....            | 2 00@3 00   |
| .. No. 1 and No. 2.....            | 75@1 00     |
| .. My Maryland.....                | 1 00@5 00   |
| Carnations.....                    | 50@1 50     |
| Callas.....per doz.,               | 50@75       |
| Cattleyas.....                     | 25 00@40 00 |
| Gardenias.....per doz.,            | 50@75       |
| Gladiolus.....per doz.,            | 25@75       |
| Lilium Longiflorum.....            | 2 00@3 00   |
| Lily of the Valley.....            | 1 00@2 00   |
| Sweet Peas.....per doz, bunches    | 12@50       |

BUFFALO, July 6.

|                                |             |
|--------------------------------|-------------|
| Roses, Beauty, special.....    | 20 00@25 00 |
| .. fancy.....                  | 15 00@20 00 |
| .. extra.....                  | 10 00@15 00 |
| .. No. 1.....                  | 7 00@10 00  |
| .. No. 2.....                  | 2 00@4 00   |
| .. Bride, Maid, Killarney..... | 8 00@10 00  |
| Carnations.....                | 1 50@2 50   |
| Callas.....                    | 6 00@8 00   |
| Daisies.....                   | 50@1 00     |
| Iris.....                      | 1 50@2 00   |
| Lilium Longiflorum.....        | 8 00@12 00  |
| Lily of the Valley.....        | 3 00@4 00   |
| Sweet Peas.....                | 50@1 00     |
| Adiantum Croweanum.....        | 1 25@1 50   |
| Asparagus Str.....             | 50@60       |
| Ferns.....per 1000.            | \$1 50      |
| Galax, green and bronze.....   | 1 50        |
| Smilax.....                    | 15 00       |

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We also collect accounts at standard rates.

National Florists' Board of Trade, 56 Pine St.  
NEW YORK**Boston.**

June business was good, but everybody now realizes that the summer dullness is on. Stock is good for the season, but there is a surplus in all lines and it is hard to move.

Wm. H. Elliott gave a house warming in his new home in Brighton June 29. Over 300 were present and report the time of their lives.

**San Francisco.**

Last week closed up for the month of June what may be termed a fairly successful period. A few weddings and a fair demand for funeral work helped to a large extent to make the June sales of 1910 reach a higher mark than that of the previous year. The cut flower trade, however, did not show up as well as expected; the failure in this regard is attributed to the fact that many families are away on their summer vacations. There is still an abundance of stock on the market, which can be obtained from the growers at very reasonable prices.

**NOTES.**

Ferrari Bros. have recently purchased 15 acres of land near Mountain View, on which they intend to construct some up-to-date greenhouses in the future.

Herman Levin writes that he is enjoying every moment of his well-earned vacation in the east.

**ARTUS.****Perpetual Carnation Society.**

The Perpetual Carnation Society (English) held its first show of the present season on June 9, it having been postponed from May 10, and the following report of the principal awards is from the Gardeners' Magazine:

"In the premier class, for the best group of cut carnations, not less than 12 varieties, arranged on a table space 3x10 feet, the flowers associated with foliage plants or cut foliage, the gold medal offered as first prize fell to W. H. Lancashire, Victoria Vineries, Guernsey, for a splendid lot of blooms of Enchantress, Mrs. Burnett, Winsor, Marmion, Beacon, Rose Doré, Mikado, Britannia, Robert Craig, etc. all represented by from two dozen to 50 flowers. There were six competitors, consequently this class itself made a splendid display. C. F. Waters, Bal-



FANCY.

**Henry M. Robinson & Co.**

Wholesale Commission Florists.

Cut Flowers of all kinds, Hardy Cut Evergreens and Florists' Supplies.

Dagger and Fancy Ferns, \$1 per 1000

Bronze and Green Galax ..... \$1.00 per 1000; 8 50 per 10 000  
Leucothoe Sprays ..... \$1.00 per 100; \$7.50 per 1000Southern Wild Smilax, Branch Laurel, Laurel Festooning,  
Green and Sphagnum Moss, Boxwood Sprays,

A large stock constantly on hand. Can fill orders at a moment's notice, Telephone or telegraph.

Telephones: 2617-2618 Main; Fort Hill 25290.  
15 Province Street and 9 Chapman Place,**BOSTON, MASS.**

DAGGER.

**FANCY FERNS, \$1.25 per 1000**New Crop Galax, Bronze or Green ..... \$1.25 per 1000; 10,000, \$7.50  
Sphagnum Moss, large bales ..... \$1.25; 6 bales, \$7.00. Extra fine  
Leucothoe Sprays, Green and Bronze ..... \$1.00 per 100; \$7.50 per 1000  
Boxwood ..... per bunch, 35c; 50-pound case \$8.50  
Log Moss, in barrels for hanging baskets ..... \$2.00 per barrelFlorists in the Middle and Western States can save money  
by placing their orders with us A trial order solicited.**MICHIGAN CUT FLOWER EXCHANGE, Inc**

Wholesale Commission Florists and Florists' Supplies,

38-40 Broadway,

All phone connections.

**DETROIT, MICH.****New Crop Ferns**

FANCY and DAGGER ready May 1st.

Special price for large orders  
Price \$1.25 per 1000.**CALDWELL THE WOODSMAN CO.,**  
Evergreen, Alabama

there were seven entries in this class. The best 25 blooms of a crimson variety were of Carola, shown by Mr. Engelmann; Mr. Lancashire, second with President, and Mr. Bell third with the latter variety. For any other self variety Mr. Lancashire scored with his Rose Doré, followed by Mr. Bell with Mikado. For a fancy variety Mr. Wallace was to the fore with Bay State, a white variety with rose-red flakes."

**A Hardy Flower.**

The flower of a woman's love is supposed to be so strong and hardy that it will subsist entirely on hot air before marriage and on cold criticism afterward.

LANCASTER, N. H.—John Lewis Childs, of Floral Park, N. Y., was the guest of Mrs. Fred Spaulding last week.

ANSONIA, CONN.—The retail store of J. W. Willis, in the Y. M. C. A. building, which has been closed for some time, has been thoroughly renovated and will open with a new stock.

AUSTIN, TEX.—The Texas Seed and Floral Co. of Dallas was incorporated on June 27, with a capital of \$125,000. The incorporators are Robert Nicholson, E. P. Brown and C. W. Robinson.

BEVERLY, MASS.—The annual rose show at the North Shore Horticultural Society opened here June 27 and was well attended by the people from all along the north shore, including Beverly Farms, Prides Crossing, Magnolia, Gloucester and Hamilton.

MADISON, WIS.—Louis Russos has made an offer to his creditors to settle accounts at 25 cents on the dollar. He runs an ice cream parlor in connection with his floral business and has put up a new building which, the lessee says, reverts to the owners of the land if the lease is broken. Several of the Chicago wholesalers are creditors.



## DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place,  
L. D. Phone 558 Lake View.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Cincinnati, O.

JULIUS BAER,

138-140 E. Fourth St.  
Long Distance Phone.

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers and Boland,  
FLORIST

60 KEARNEY STREET.

Kalamazoo and  
Battle Creek, Mich.

H. A. FISHER CO.

Wholesale and Retail Florists.

We Handle Everything in Season.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper  
care of your orders in Wisconsin.

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled  
promptly with the choicest stock.

LESTERSHIRE, N. Y.—A story that in actual originality eclipses many sensational events has just leaked out in connection with a wedding of two popular local young people, which occurred about two weeks ago. The parents of the bride had ordered about \$20 worth of flowers with which to decorate the parlor of the home where the ceremony was to take place. The hour arrived and there was no sign of the flowers, but just at the moment the bride and her mother were about to give up in despair and proceed with the ceremony without the flowers, a messenger rushed up to the house bearing a huge floral piece which was inscribed "Father." The boy saved his life by a wonderful burst of speed, but there were no flowers at the wedding.

Washington,

D. C.

14th and N Streets.

Also

1601 Eutaw Place,

Baltimore, Md.

J. DAN BLACKSTONE

Alexander McConnell,

571 Fifth Ave., Windsor Arcade,

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL  
Western Union Code.



FROM NEW YORK EXCEPT AS NOTED.

July 12.

Moltke, Ham.-Amer., 2 p. m., Hoboken Pier.  
Potsdam, Holl.-Amer., 10 a. m., Hoboken Pier.

Kaiser Wil der Grosse, N. Ger. Lloyd, 10 a. m., Hoboken Pier.

July 13.

Mauretania, Cunard, 9 a. m., Piers 54 and 56, North River.  
Oceanic, White Star, 11 a. m., Piers 60 and 61, North River.

FROM BALTIMORE, Cassel, N. Ger. Lloyd, 2 p. m., Pier 9, Locust Point.

July 14.

La Bretagne, French, 10 a. m., Pier 42, North River.

Geo. Washington, N. Ger. Lloyd, 10 a. m., Hoboken Pier.

July 15.

FROM MONTREAL, Tunisian, Allan, 3 a. m.  
FROM QUEBEC, Empress of Ireland, Can.-Pacific, 3:30 p. m.

July 16.

Furnessia, Anchor, 2 p. m., Pier 64, North River.

New York, American, 10 a. m., Pier 62, North River.

Lapland, Red Star, 11 a. m., Pier 59, North River.

Celtic, White Star, 2 p. m., Piers 60 and 61, North River.

FROM MONTREAL, Sardinian, Allan, daylight.

FROM MONTREAL, Pretorian, Allan, daylight.

FROM MONTREAL, Canada, White Star-Dom., daylight.

Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave  
Greenhouses: Short Hills, N. J.

— Deliveries in —

NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

Indianapolis, Ind.

Bertermann Bros. Co.

FLORISTS

.....241 Massachusetts Ave.

Mention the American Florist when writing



WASHINGTON  
D. C.

Gude's

Mention the American Florist when writing

Omaha, Neb.

Hess &amp; Swoboda

FLORISTS.

1415 Farnum St. TELEPHONES  
1501 and L 1553

Mention the American Florist when writing

Denver, Colo.

The Park  
....Floral Co.

J. A. VALENTINE, President.

Washington, D. C.

Geo. C. Shaffer,

== FLORIST ==

Phone 2416 Main 14th & Eye Sts., N. W.  
Write, Telegraph or Telephone.

New York.

MYER, FLORIST, 609-611 Madison Ave.  
Phone 5297 Plaza.

YOUNGSTOWN, O.—W. A. Wittman is going ahead with his new store at 41 North Phelps street and is getting publicity through the local papers. He will take up his residence here on or about September 1.



# DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

**Kansas City, Mo.**

**Geo. M. Kellogg Flower and Plant Co.,**  
906 GRAND AVE.

**KANSAS CITY and PLEASANT HILL, MO.**  
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

*Mention the American Florist when writing*

**Washington, D. C.**

**GEO. H. COOKE**  
**FLORIST**

Connecticut Avenue and L Street.

**Terre Haute, Ind.**

**John G. Heinel & Son,**  
129 South Seventh St.

Telephone 247.

We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

**Pittsburg, Pa.**

**A. W. SMITH CO.**

KEENAN BLDG.

Largest Floral Establishment in America  
Established 1874. Incorporated 1909.

**Rochester, N. Y.**

**J.B. KELLER SONS,**  
**FLORISTS.**

25 Clinton Avenue, N.

Rochester Phone 506. Long Dis. Bell Phone 2122

**St. Paul, Minn.**

**L. L. MAY & CO.**

Order your flowers for delivery  
in this section from the

**LEADING FLORISTS OF THE NORTHWEST.**

**Anderson, S. C.**

**THE ANDERSON FLORAL CO.**  
533 MARSHALL AVE.

**MICHIGAN.**

Orders will be carefully  
cared for by

**HENRY SMITH,**

Wholesale and Retail Florist of GRAND RAPIDS

SYRACUSE, N. Y.—The State Fair Commission held a session at headquarters June 27 and adjourned to the fair grounds, where the members inspected conditions and mapped out the work of preparing the grounds for this year's exhibition. There is a good sized fund available for temporary improvements and the grounds and buildings will present an attractive sight, it is promised when the fair opens September 12. The grounds fund amounts to \$20,000 and in addition there is an appropriation of \$3,000 for a new greenhouse. The work will be carried out under the direction of Commissioner A. E. Perren as superintendent.

**New York.**

**Established 1874.**

**DARDS**

**N. E. Corner 44th St.  
and Madison Ave.**

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

**Louisville.**

The Anchorage Rose Co. recently made an assignment, liabilities about \$14,000, assets, if full value is realized, \$40,000. Mr. Rayner, the president and principal stockholder, has the sympathy of his friends in the trade. The assignment was not forced but Mr. Rayner, since building the plant of 50,000 feet of modern glass, lacked about \$5,000 to complete the plant and tried to run the place a number of years uncompleted, and while one of the most expert growers in the United States he could not, try as he would, keep the mildew out of the roses. He had one misfortune after another the whole time. In the first place the contractor did not complete the houses until too late in the season to grow a crop the first year. Then he bought putty to glaze his houses already made and the putty was a fraud and it all washed out after a few rains. He sued for damages and got \$300 damages, when the verdict should have been at least \$3,000. Then the first winter the night fireman let the water get too low and burnt out one of the large boilers which cost about \$1,000 to replace. It would make the story too long to tell all the misfortunes that came in succession and seemed unavoidable. The biggest real mistake with the amount of capital at his command was building an immense subway under the center of the greenhouses which had to be blasted partly out of solid limestone rock and which he never quite completed, although it cost something like \$10,000. The idea was a good one as the boilers were to be in this subway and the coal could be hauled in and cinders and ashes hauled out and was large enough for two horse teams to pass each other easily but was too big an undertaking with limited resources. Mr. Rayner has taken a position with a florist at Seattle, Wash., and his family will shortly follow. He is delighted with the climate of Seattle.

Geo. Thompson sold his greenhouses, six in number, five acres of ground and five-room residence at auction June 27. It brought something over \$4,000. He intends to remove to Chicago.

A. Rasmussen has two large new houses up and ready to put the glass in. He expects to have them completed by August 1, ready to plant carnations.

The property of the Anchorage Rose Co. will be disposed of if possible at private sale. H. Kleinstarkink bought the place as an investment.

F. Walker & Co. will tear down and rebuild several houses this summer.

W.

**Cleveland, O.**

**The Cleveland Cut Flower Co.**

Will fill your orders for designs and cut flowers in  
**NORTHERN OHIO.**

*Mention the American Florist when writing*

**Dayton, O.**

**Matthews,**  
—FLORIST—  
16 W. 3rd Street.

Flowers in any arrangement for all occasions,  
for Dayton and vicinity. Long dis. Phones

*Mention the American Florist when writing*

**St. Paul, Minn.**

**HOLM & OLSON,**  
**ST. PAUL**

The Leading Florists of the Northwest

Orders will be well cared for anywhere in  
MINNESOTA AND THE DAKOTAS.

*Mention the American Florist when writing*

**Los Angeles, Calif.**

**J. W. Wolfskill,**  
**FLORIST,**

Telegraph Orders  
A Specialty.

218 W. 4th St.

*Mention the American Florist when writing*

**Toronto, Can.**

Canada's best known and most reliable florist

Only  
the  
Best **Dunlop's**  
98 Yonge Street.

We deliver anywhere in Canada and guarantee  
safe arrival.

*Mention the American Florist when writing*

**Denver, Colo.**

**FLORAL DESIGNS AND FLOWERS**

Best Quality on Shortest Notice

**DANIELS & FISHER**

Order by mail, telephone, telegraph or  
cable. Cable address "Daniels. Denver"

**Atlanta, Ga.**

**Atlanta Floral Co.**

41 Peachtree Street.

**Pittsburg, Pa.**

**H. L. BLIND & BROS.,**

Two Stores: Liberty Av. & 5th St., 5424 Center Av.  
Greenhouses: West View.

*Mention the American Florist when writing*

SYRACUSE, N. Y.—Charles W. Bourne, with C. F. Adams & Co., has had plans prepared for a large greenhouse which he will build on the west side of Hudson street between Solvay street and Bellevue avenue.



# DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Kansas City, Mo.

**WILLIAM L. ROCK,**  
**Flower Co.,**

Will carefully execute orders for  
Kansas City and any town in  
Missouri, Kansas or Oklahoma.

St. Louis, Mo,

Write, Wire or Phone Your Orders to

**YOUNGS**

1406 Olive Street,

Regular discount allowed on all orders, either  
Plants or Cut Flowers.  
Frances Bell, Main 2306, Kinloch, Central 4981

New York.

Established 1849

**David Clarke's Sons**

FLORAL DECORATORS

2139-2141 Broadway

Telephones:  
1552-1553 Columbus.

Choice Cut Flowers

Lansing, Mich.

**Gurdon B. Smith**

Covers all Points in Michigan. Best of  
Shipping Facilities in all Directions.  
Always has the best of Everything.

Kansas City, Mo.

**Samuel Murray**

..... FLORIST .....

1017 Broadway Coates House  
Conservatory

Both Phones 2670 Main.

Write, Telephone  
or Telegraph.

All orders given prompt  
attention.

Providence.

The spring business of 1910 was most gratifying to all connected with the trade, the sale of bedding plants and nursery stock being away ahead of former seasons. The quality of cut flowers was better than usual and the prices were somewhat above the average of past spring seasons. The business for June was very good. The past week is always looked upon as an extremely quiet one, as the people are busy getting away to their summer residences and about the only business looked for is an occasional steamer or funeral order. But such was not the condition as it was a decidedly busy one owing to heavy funeral demands divided amongst the retailers. The heavy rains have ceased and the weather has settled down to a nice warm temperature, not too hot to be comfortable. Seasonable cut flowers of all kinds are very plentiful and cheap. There was a good demand for roses, valley, carnations and Easter lilies the past week, caused by so many prominent men's funerals. June can go on record as one of the busiest months we have

Detroit, Mich.

**John Breitmeyer's Sons**

Corner Miami and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

had this year so far. The young carnation stock in the fields is looking healthy. The recent heavy rains started the plants off in fine shape. There is a ready sale for nice box woods or evergreen trees in tubs and there is not any number of this class of plants to be seen about here on sale.

## NOTES.

John Cross, of J. & C. Cross, of Fall River, was in this city recently and reports the formation there of The Fall River Florists' Association, with Chatterton W. Warburton president, Edward Lawton vice president, John R. Pee secretary, and John C. Cross treasurer.

C. W. Morey, proprietor of the Woonsocket Hill Nursery, has been appointed by State Inspector Stene to attend to the spraying and care of trees in that section of North Smith field.

Robert Hunnicks, for 20 years head gardener for Frederick W. Vanderbilt at Rough Point, Newport, has accepted a position with one of the Maxwell brothers in Connecticut.

City Forester Major Alexander Johnson was chief marshal of the military parade on July 4. Mr. Johnson has always from boyhood taken great interest in military affairs.

Charles Hunt, Oxford street, reports his loss by the hailstorm of June 18 to be over \$1,000. Most of this was in the breakage of glass.

Samuel Kinder has been appointed tree warden of Bristol. This town has appropriated \$1,000 for the spraying of the shade trees.

George A. Johnston is slightly indisposed again with an inflamed bunion.

J. BRINTON.

## New Cement Block Machine.

Vice-Consul Eugene Nabel, of St. Gall, describes a new Swiss machine with revolving molds for shaping building blocks:

Brick clay, various mixtures of cement, sand, gravel, slag, sawdust, cork, etc., may be readily pressed into compact blocks with exact measurements, sharp lines, and edges. All kinds of mixtures have been experimented with, the machine molding them into blocks which have successfully withstood the severest tests. Several different sizes of bricks or blocks may be turned out at the same time, and in series of 10 of uniform size, every half revolution of the press producing five blocks. It may be operated either by hand or motor power, without special skill by one person. It is unlike any machine on the market, cheap in price, operates without the sudden jars usually incident to such machines,



Albany, N. Y.

**EYRES,**

Flowers or Design Work.

Delivered in Albany and Vicinity on  
Telegraphic Order.

11 NORTH PEARL STREET.

Mention the American Florist when writing

Boston, Mass.

Send flower orders for delivery in

**Boston and all  
New England Points**

To THOS. F. GALVIN, Inc.,  
124 TREMONT ST.

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

**CLEVELAND, O.**

We Cover All Points in Ohio.

Mention the American Florist when writing

Buffalo, N. Y.

**Palmer's** Flowers  
"Quality"

W. J. Palmer & Son.

304 Main St.

Mention the American Florist when writing

Louisville, Ky.

**JACOB SCHULZ,**

550 So. Fourth Avenue.

Mention the American Florist when writing

Colorado Springs, Colo.

**FRANK F. CRUMP,**

Wholesale and Retail Florist.

and is durable. It occupies small space, is easily adjusted, and portable. In making bricks this machine dispenses with frames for drying, the process of molding hardening them. [Photographs of the invention, together with the name of the Ohio firm which will construct the machines, may be obtained from the Bureau of Manufactures.]

NEW YORK.—The Giller Floral Supply Co. has leased the ground floor at 147 West Twenty-eighth street.



## The Seed Trade.

### American Seed Trade Association.

E. L. Page, Greene, N. Y., President; L. H. Vaughan, Chicago, First Vice-President; M. H. Duryea, New York, Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

SEEDSMEN are anxious over the prolonged drought.

MINNEAPOLIS, MINN.—J. E. Northrup is making a Montana trip.

CALIFORNIA seed crops in the Santa Clara valley were reported looking fine June 21.

TRIMBLE McCULLOUGH, son of J. Chas. McCullough, Cincinnati, is growing miscellaneous beans at Santa Ynez, Calif.

CHICAGO.—Contract prices on the board of trade July 6 for grass seed were noted as follows: Timothy, \$5, nominal. White clover, from 20 cents to 25 cents.

GLADIOLUS WHITE LADY continues to misbehave and even is reported to have shown poor weak growth in California, where it has, during recent years, done best.

H. M. SANBORN and daughter (Miss Abby Sanborn) of Oakland, Calif., were in Chicago this week, returning from the east, where they have been spending a few weeks.

PUMPKIN seeds alleged to be imported for food purposes are held dutiable as "seeds of all kinds not especially provided for" according to a recent treasury decision.

BOSTON, MASS.—Maurice Fuld has resigned his position as manager at W. W. Rawson & Co.'s.—All the seed houses are doing a lively business in garden and farm implements.

A NEW Burbank poppy will be introduced the coming year, said by him to be a cross of the tulip poppy, Shirley and a rupifragum species, growing something larger than Shirley.

SWEET PEA crops on the coast have been undoubtedly hurt from 25 to 35 per cent by the hot weather; crops in the vicinity of Los Angeles probably less than those farther north. Onion in the north was looking very fine as late as the middle of June. Lettuce and radishes fair to good. The Burpee trials of sweet peas at Lompoc are reported looking well.

## Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,  
Growers for the Wholesale  
Trade Only.

SAN JOSE, CALIF.

CALIFORNIA sweet peas flowered unusually early this season, and it is believed this will result in the seed crop being somewhat lighter than ordinary.

DETROIT, MICH.—D. M. Ferry & Co. are adding to their warehouses and, it is understood, will rebuild their warehouse at Windsor, Ont., burnt out last winter.

F. S. WHITE, agricultural and horticultural commissioner of the Frisco railway, has been touring Oklahoma for the purpose of exhibiting the fruits and grains grown in the states in which the Frisco system operates. He uses a special car and lectures upon the products.



Chas. W. Scott.

With Vaughan's Seed Store, New York.

## Echoes of the Convention.

In previous notes we erred in stating that there was a "steamer" excursion on Wednesday afternoon. It was a yacht-sloop excursion, the Princeton and the Viking being the craft, with plenty of sails and real sailors. Hon. W. M. Hays, assistant secretary of agriculture, was on board the Princeton. He is a large man, and a precautionary measure he took a seat amidships.

When future generations of seedsmen review the archives of the American Seed Trade Association and look on the portraits of its past presidents, we trust that they will pause and consider J. C. Robinson and his record. As an intelligent, effective and patient executive or as the



Mrs. C. W. Scott.

Formerly Miss Mills, of New York.

## California Seed Crops.

The Kimberlin Seed Co., Santa Clara, writes as follows with regard to California seed crops, June 21: "The seed crops in California are looking fine now but we cannot tell what the onion seed will do until July 20 as we have the hot weather to contend with yet. Sweet peas will be short on some kinds on account of the hot weather we had on May 30. Carrot and lettuce are looking fine at this time."

## Pieters-Wheeler Seed Company

Growers of  
High Grade  
SEED

Hollister,  
California



Onion,  
Lettuce,  
Radish,  
Sweet Peas,  
Etc.

Correspondence  
Solicited.

genial and warm hearted gentleman he is equally noteworthy.

Curtis Nye Smith, counsel for the association, hails from Boston but he looks like a Vermonter. The outside of his head looks good and, judging by his effective talk, there is considerable on the inside.

As a summer resort, Atlantic City is fine. It has not such a tabernacle or odor of sanctity as Ocean Grove, nor as many freaks and fakirs as Coney Island. It strikes a happy medium.

E. L. Page, president-elect, lives at Greene, N. Y. Chas. N. Page hails from Des Moines, Ia. They are no relation and do not look alike, but are both good men.

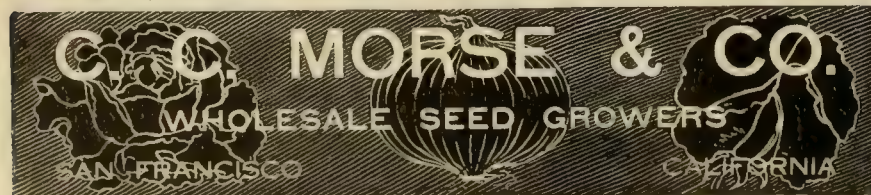
Chas. Bolgiano of Baltimore is a young man who looms up well at conventions, which is no reflection on his clever brother, F. W., of Washington, D. C.

Frank C. Woodruff is always well equipped either for an after-dinner or presentation speech; he has a good voice and good thoughts behind it.

All who attended the convention held at the Hotel Astor, New York, several years ago, missed the genial presence of Marshal H. Duryea.

President Robinson will spend a few weeks at Granville, N. Y., before returning to his Nebraska home.

Walter P. Stokes was missed. He is on a European trip.







High-class Seeds, Bulbs, Plants, Shrubs and Nursery Stock.

## "BUDS"

CARL R. GLOECKNER, President,  
76 Barclay St., NEW YORK CITY

### COLD STORAGE LILY OF THE VALLEY PIPS

\$12.50 per 1000 in cases of 2000 only.  
Finest German, not Dutch grown. Ready now.

For Fall Delivery 1910

Our own imports from Japan.

|                                                 | Per 1000 |
|-------------------------------------------------|----------|
| <i>Lilium Longiflorum</i> Multiflorum, 7-9..... | \$50 00  |
| " " Giganteum, 7-9.....                         | 65 00    |
| " " Formosum, 7-9.....                          | 65 00    |

F. O. B. New York.

It was said by some of the delegates that Leonard Vaughan had a double in the convention, they being of course both handsome men.

At Fordhook Farms, Jerome B. Rice exchanged his wheeled chair for a carriage and was driven all around by his faithful attendant.

So far as we can recall, C. H. Breck was the only Boston representative on the floor of the convention, but he was a good one.

Though not attending the convention J. M. L. Farquhar and W. J. Stewart of Boston made the trip to Fordhook Farms.

The Canadian seedsmen were a robust looking lot of men. Golfing in summer and curling in winter is great exercise.

Both the representatives of the American and Canadian departments of agriculture seem to know their business.

In speaking of toastmasters, Albert McCullough is all right.

### Clover and Timothy Seed in Germany.

In forwarding the names and addresses of firms in Magdeburg handling timothy and clover seed, Vice-Consul James L. A. Burrell states that most of the clover seed used in that district is imported from France, while most of the timothy seed comes from Russia, France and Bohemia. One dealer informed the vice-consul that he once bought timothy seed direct from America, but as he was obliged to pay cash on bill of lading and as the quality of the seed was bad, he would never do so again, and now buys through importing firms in Hamburg. Other firms, the dealer stated, had had similar experiences. The general rate of duty on clover seed imported into Germany is five marks (\$1.19) per 100 kilos (220

TO THE TRADE

## HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all  
CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

**Specialties:** Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

**HENRY METTE'S TRIUMPH OF THE GIANT PANSIES**, (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., \$1.50 per ¼-oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

## Conrad Appel, Darmstadt, Germany, Established 1789.

Wholesale Dealer, Importer and Exporter

of Natural Grass, Clover and Tree Seeds, is always open for all kinds of American Grass and Clover seed in carload lots, and invites exporters to submit offers and samples as soon as the new crop is on spot.

## L. DÆHNFELDT, Odense, Denmark

Most Important Seed Grower in Scandinavia (5,000 acres).

(Established 1850.) My specialties for export are

### Dwarf Erfurt Cauliflower and Cabbage Danish Ballhead

Send me for delivery after harvest a trial order, and you will in future be my constant customer.

Prices and Catalogue sent on application.

## Waldo Rohnert

GILROY, CAL.

### Wholesale Seed Grower

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena, in variety.  
Correspondence solicited.

**Dutch Bulbs** We forward free to destination collections of Bulbs for from \$5.00 to \$25.00. Terms cash with order. Please send for particulars. Apply to **The Dutch Bulb & Seed Growers Co., Haarlem, Holland.**

pounds); while clover seed imported from favored nations is admitted free of duty under the conventional tariff, which now applies to all imports from the United States. Timothy seed is subject to two marks (47.6 cents) per 100 kilos under the general tariff and admitted free of duty under the conventional tariff. (Names of dealers on file in the Bureau of Manufacturers.)

### Imports.

During the week ending July 2, imports were received at New York as follows:

J. M. Thorburn & Co., 36 packages grass seed.

H. Nungesser & Co., eight bags clover seed.

To others, 96 cases plants, 20 cases orchid plants, 100 bags poppy seed, 23 bags grass seed, four bags, five packages seed.

During the week ending June 25, imports were received at New York as follows:

McHutchison & Co., five cases plants.

P. Henderson & Co., four cases plants.

Schulz & Ruckgaber, 150 bags seed.

H. Nungesser & Co., 12 bags grass seed.

To others, 795 bags seed; 75 bags grass seed; 19 crates plants.

SUPERIOR, WIS.—A greenhouse is being erected by Wright & Johnson at 1920 Lackawanna avenue.

## GIANT PANSY PLANTS

### The KENILWORTH Strain

Must not be compared with the flimsy Trimardeau it is much larger and of good substance, the immense flowers of 3½ to 4 inches are of perfect form every tint and shade is produced in striking combinations and endless variations of beautiful colors and marking; it is the result of years of selection. The stock plants are selected from many thousand of plants grown for market. It is rich with shades of brown, bronze, red mahogany and numerous other light, medium or dark mixtures.

### 1910 Seed Now Ready.

2000 seeds 50c; 5000, \$1.00; ¼-oz. \$1.25; 1-oz. \$5.00; 1 lb. \$50.00. Also the following colors of the Kenilworth strain: yellow, yellow-darkeye, Lord Beaconsfield Mme. Perret white darkeye, purple, black, masterpiece, red brown bronze, dark-blue and light-blue shades Trade packets 25c. any five for \$1.00. 12 packets one of each variety \$2.25.

**Rainbow** is a blend of over 50 of the latest introductions of giant pansies of the most beautiful gorgeous colors; blotched, striped veined margined, etc. With every \$1.00 worth of Kenilworth strain I will send 1000 of Rainbow free, and with other amounts in like proportion.

Mention the American Florist when writing

**Don't Forget** To give us a trial on Asters, Mignonette, Begonia Verbon, Cineraria, Primula Chinensis, Primula Obconica, Salvia Bonfire and Splendens, Verbena, Cyclamen and Pansy Seed. The two latter items ready July and August. We handle none but the highest quality strains. Katalog for the asking.



**SKIDELSKY & IRWIN CO.**

1215 Betz Bldg.

PHILADELPHIA.

PA.

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## The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

Branches: Michigan **MILFORD, CONN.** and Wisconsin.

Mention the American Florist when writing



## Market Gardeners

Greenhouse Vegetable Growers and  
Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President;  
Franklin DeKleine, Grand Rapids, Mich.,  
Vice-President; S. W. Severance, 508 Illi-  
nois Life Building, Louisville, Ky., Secre-  
tary; M. L. Ruetenik, Cleveland, O., Treas.

**PYRETHRUM POWDER**, used at the rate of one pound of powder to 20 gallons of warm water and sprayed on while warm, is very efficacious against the cabbage worm that is so troublesome in summer.

### Fungus Attacking Radishes.

ED. AMERICAN FLORIST:

Can you tell me what is wrong with the enclosed samples of radish leaves? It does not appear to affect the growth of the roots but begins early on the leaves in white patches and spreads rapidly. C. B. D.

The radish leaves sent were covered with the white rust fungus, a pest that is very common on lands that are allowed to become overrun with weeds, especially the wild mustard. When a garden or field is badly attacked it is usually a matter of a year or two before it can be cleaned, as the spores of the fungus live all winter in the soil. Preventive measures are continual hoeing and cleaning to destroy the weeds that harbor the pest and the removal to the garden fire of all plants attacked. Although in a mild attack the roots may not be much injured yet "C. B. D." will find that, unless some quick means as the above are adopted, the plants will become so stunted that they will be useless.

G.

### Spraying Notes.

Every year the fight against insects and diseases become more intense. In this season we have had the most severe attacks of potato bugs, melon bugs, and maggot, that we can remember. Of these three, the first one bothers us very little because we are so well equipped to handle him that we think no more of poisoning 10 acres of potatoes than we would of cultivating them. The second one, the striped melon bug, is a hard case to handle. He is wise, is very evasive, and his tendency to colonize makes his attack very destructive. We know of instances when these bugs pounce down into a clean patch of melons, cucumbers or squashes, and destroy hundreds of hills in a few hours. We have been told that there is no remedy, which is nearly true, for he works on the under side of the young plants, where nothing will reach him; however, we have found that the mistake people make is by applying remedies to the plant, when it is the bug that should be hit. It is a well-known fact that fine dust will obstruct their breathing cells, thus causing death, but the way to get the dust to the proper spot is the question; certainly not by sprinkling the plant. We use fine tobacco dust and air-slaked lime in equal parts and deftly throw a handful on the in-

festated plant, using all the force possible, thus driving the powder under the leaves and onto the bugs. They will squirm out and roll over, which is the proper moment to give them a second handful. If this is done in the early morning it is quite possible to destroy the bugs in short order. Air-slaked lime alone is often too caustic, and tobacco dust is too expensive; but combined they make a cheap and effective remedy. The secret of success is to patrol the fields regularly and often and treat affected hills only.

The third enemy, the cabbage and radish maggot, so far holds the fort. We have lost all our cabbage and cauliflower to date and most of our radishes. There may be remedies, but to date we know of nothing that is cheap enough. Our wholesale prices for cabbage may average 75 cents to \$1 per barrel, and radishes 10 cents per dozen bunches; at these prices the cheapest remedy is to avoid infested fields, but this season the pest has become almost universal and we will have to find a remedy or quit those crops. For leaf-eating insects we prefer to spray with arsenites, either lead or Paris green. We prefer the arsenite of lead because it suspends much better and is harmless to foliage; but we think it is slower to act. For this reason we often combine the two, thus using 2½ pounds of Paris green and 2½ pounds of lead in 50 gallons of 4-4 Bordeaux. We always use Bordeaux to carry our poison as it helps to suspend the poison, proves a good sticker and marks very plainly the progress of the nozzle, thus insuring a perfect job. The above formula is very effective and not likely to wash off for weeks, besides its fungicidal value.

Another dreaded pest is the asparagus slug and beetle. They are very destructive to young plantations and especially to young plants in nurseries. Thorough spraying with extra strong mixtures is needed, as the slender foliage offers so little chance to deposit the poison. We have before mentioned in these columns that we do not hesitate to poison cabbage, at any time. If we spray with water, we use one barrel soft water, three pounds Fels naptha soap, and five pounds arsenate of lead. This will adhere instead of rolling off. If a dry process seems desirable, add enough Paris green to air-slaked lime to color it and apply with a cheesecloth sack as a duster.

MARKETMAN.

### Diseases of Onions.

**Onion Blight or Mildew** (*Peronospora Schleideniana*).—This is the commonest disease of the onion, and it frequently decreases very materially the onion crop by destroying the leaves and thus reducing to a marked extent the size of the bulbs. It usually first makes its appearance in late June or July. Attacked leaves first show peculiar violet tinted areas, due to the fact that these areas are covered with the fuzzy spore-bearing portions of the fungus, according to a bulletin of the Ontario Department of Agriculture. The diseased leaves very soon become pale or yellowish in spots and collapse and break down. If examined they are seen to be more or less covered with the spore-bearing part of the fungus

## Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

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### Pure Culture Mushroom Spaw

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

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which gives the surface of the leaves a furry appearance. In severe attacks all the leaves in field or patch are very soon destroyed. They are often, however, quickly replaced by a new crop which in turn is generally destroyed by the disease and from this second attack the onions do not usually recover.

Two kinds of spores are produced by the fungus, viz., thin-walled summer spores borne on the minute branched spore-bearing parts of the fungus covering the surface of the attacked leaves, and thick-walled resting spores (oospores) formed in the tissues of the dead leaves. The summer spores are freely scattered by the wind during the summer and new leaves thus become infected. In this way the disease spreads very rapidly, especially during damp, muggy weather. Dead leaves containing the thick-walled resting spores lie on the ground during the winter, and in the spring the spores germinate and give rise to the disease if onions are again planted on the same ground.

Once the leaves are attacked nothing can be done to save them, though the disease may be prevented from spreading and the second crop of leaves saved by thorough and frequent spraying with Bordeaux. Prevention therefore is the only treatment. Spray thoroughly with resin-Bordeaux, beginning about the end of June and continuing throughout the season. Rake up and burn the diseased tops, as by so doing many of the resting spores will be destroyed. Practice rotation of crops, as the disease is carried over the winter by the resting spores on the ground, and it is believed that they retain their vitality for two or three years. Plant onions on well drained land over which there is free circulation of air.

**Onion Smut** (*Urocystis cepulae*).—This disease attacks onions grown from seed. It destroys many of the seedlings shortly after they appear above the ground. The diseased seedlings which are not completely killed in the early stage are so severely injured that they die later or produce small misshapen bulbs. The disease also appears on mature bulbs in the fall. Affected leaves are enlarged and often distorted and dark in color with black streaks. If they are broken they are found to be filled with a black, powdery mass which is composed of the spores of the fungus. Black masses of these smut spores are also



found on the bulbs. The spores winter over in the soil, hence the danger of planting onions on smut infested soil. The disease is not, as generally supposed, disseminated to any extent to the onion seed. It may, however, be carried long distances on the bulbs. The following treatment is recommended:

**Transplanting.**—If the soil is smut infested grow the seedlings on smut free soil, then transplant. This is a certain preventive, but it involves considerable labor. Rotation of crops will reduce considerably the amount of the smut. Drill into the rows when planting seed 100 pounds of sulphur mixed with 50 pounds of lime, per acre. Such applications have been found to greatly reduce the amount of the smut. Lime and sulphur sown broadcast are not effective.

**Black Mould** (*Macrosporium parasiticum*).—This fungus generally follows the downy mildew, causing the dead and dying leaves to become blackened and covered with a thick black fungus growth. As far as is known it does not attack healthy leaves, and therefore its appearance on dead and dying tops should not cause any alarm.

[The resin-Bordeaux herein referred to is made by adding to the ordinary Bordeaux a mixture of two pounds of resin, one pound of sal soda crystals and one gallon of water, boiled together until a clear, brown solution is obtained. This adheres better to the smooth skin of the onion foliage than the plain Bordeaux and is occasionally used to improve its adhering properties when spraying other plants in wet weather in several experiment stations.—ED.]

#### A Market Gardener's Claim.

There is an old Scotch saying to the effect that "greed causes grief." A market gardener at Waddington sued the Great Northern Railway Co. for £15 odd for damage by sparks from an engine to 425 roots of rhubarb growing on nine poles of land. The railway company offered £10, but that offer was rejected, and the railway company resisted the claim, which was at the rate £283 per acre. After hearing evidence the market gardener was awarded £3 10s 8d., and this sum being much less than the tender, the railway company got all its expenses. This means that instead of getting £15 18s. 9d., the market gardener, who rejected the offer of £10, will only get £3 10s. 8d., and to obtain this smaller sum he will have a bill of costs of at least £30 to pay. That market gardener is probably now a wiser and a sadder man. However, if he can realize £283 off every acre of rhubarb, he will soon make up the loss resulting from his victorious suit against the railway company.—North British Agriculturist.

#### The Melon Louse.

In Press Bulletin number 176 of the Oklahoma Agricultural Experiment Station, C. E. Sanborn, entomologist, commenting on an article in an agricultural journal, says: "The advice against planting melons in or near cotton fields, for the reason that the crop will become infested with cotton lice, is, in part, correct, but in the main misleading, and I would not recommend discontinuing the planting of melons on account of the proximity of a cotton field simply because the lice infest cotton and might move from it to the melons." This bulletin states that the best treatment for melon louse is to plant rape, which

## BODDINGTON'S QUALITY

### Christmas Flowering Sweet Peas

**For Immediate Delivery.**

|                                        | Oz. | ¼ lb. | ½ lb.  | Lb.    |
|----------------------------------------|-----|-------|--------|--------|
| Boddington's Snowbird, pure white..... | 20c | 75c   | \$1.25 | \$2.00 |
| Boddington's Christmas Pink.....       | 10c | 40c   | .75    | 1.00   |
| Boddington's Christmas White.....      | 15c | 50c   | .85    | 1.50   |
| Mrs. E. Wild, carmine.....             | 15c | 50c   | .85    | 1.50   |
| Mrs. Geo. Lewis, white waved.....      | 15c | 50c   | .85    | 1.50   |

**New Crop of all other Winter Flowering Varieties  
Ready in August.**

## ARTHUR T. BODDINGTON,

**342 West 14th Street,  
NEW YORK CITY.**



## BAY TREES

**Standard or Tree Shaped**

| Stem about | Crown.    | Each.   | Stem about | Crown.    | Each.   |
|------------|-----------|---------|------------|-----------|---------|
| 42-46 in.  | 24 in.... | \$ 6.75 | 45-48 in.  | 30 in.... | \$10.00 |
| 45-48 in.  | 26 in.... | 7.50    | 46-54 in.  | 34 in.... | 12.00   |
| 46-50 in.  | 28 in.... | 8.00    | 46-53 in.  | 40 in.... | 15.00   |

## BOX TREES

**Bush Shaped.**

These do not come in tubs.

| Height.                  | Each.  | Doz.   | 100     |
|--------------------------|--------|--------|---------|
| 10 to 12 in.....         | \$0.30 | \$3.00 | \$20.00 |
| 12 to 15 in.....         | .35    | 3.50   | 25.00   |
| 15 to 18 in., light..... | .40    | 4.00   | 30.00   |
| 15 to 18 in., heavy..... | .45    | 4.50   | 35.00   |
| 20 to 24 in.....         | .75    | 8.00   |         |

All plants are quoted f. o. b. Western Springs.

## Vaughan's Seed Store

**WESTERN SPRINGS, ILL.**

will attract insects that feed on melon lice. The rape can also be used as hog pasture.

#### Asparagus Culture in France.

The chief difficulty in the establishment of asparagus arises, writes M. Nasier in *Lyon Horticole*, from the dioecious nature of the plants. It is not easy to distinguish the sexes at the time of planting, and the most that can be done is the suppression of inferior plants, a plan rarely resorted to. As with many other species of vegetables, culture has a great deal to do in the retaining of quality. An asparagus bed is not inexhaustible. Like other plants, asparagus has need of its stems and leaves for the nourishment of its roots and the for-

mation of shoots. To continue cutting after June 24 is to endanger the quality of the next year's crop. In many places the mistake is made of planting too deep. In no case ought one to plant anything deeper than is necessary to ensure that the roots can fulfill their functions. At Argenteuil, Cote-d'Or, Drome, and elsewhere, this is well understood. Instead of the deep trenches of former days, a depth of three inches to five inches is found to be sufficient, and, given the right sort of culture, labor, manure, well-chosen plants, and weeding, the crops are better and the shoots are finer and earlier. The next thing, which should be done about the middle of June, is to level the hillocks which have served for blanching the shoots.



## The Nursery Trade

American Association of Nurserymen.

W. P. Stark, Louisiana, Mo., President;  
E. S. Welch, Shenandoah, Ia., Vice-President;  
John Hall, Rochester, N. Y., Sec'y.  
Thirty-sixth annual convention to be held  
at St. Louis, Mo., June, 1911.

DR. HOWARD of the bureau of entomology, Washington, D. C., is making a tour of the European nurseries, including representative places in England, France and Holland.

WEST BERKELEY, CALIF.—John Gill, of the E. Gill Nursery Co., and Miss Caig, of Oakland, were married at San Jose, June 8. After a tour through southern California they will make their home in West Berkeley.

AMONG the new plants recently exhibited at the Royal Horticultural Society's hall, in Westminster, London, was *Robinia Kelseyi*, a native of North America, with elegant foliage and deep rose-colored flowers, produced from last year's wood. All the rose acacias are beautiful and worthy of extended culture.

IN Bulletin 145 of the Vermont Experiment Station, entitled "Vermont Shrubs and Wood Vines," there is a fine account of the shrubs and vines native to this state and a briefer mention of some introduced species of interest. The species are well described and a great number of them illustrated making it a most useful book for reference far above the average of this class of publication.

HELENA, MONT.—Cards received July 2 announce the wedding of William Ernest Mills, secretary and treasurer of the State Nursery Co., to Miss Mildred Teal, at the bride's home in Los Angeles. Immediately after the ceremony the young couple left for England. They will visit enroute at Williamsport, Pa., Walter Yeager and wife, brother-in-law and sister of the groom. On July 14 they will sail for England, where Mr. Mills has numerous relatives.

THE Delaware & Hudson Railroad has started a nursery of 18 acres near Bluff Point on Lake Champlain, where 800,000 two-year white pine, Scotch pine and Norway spruce are being planted, and 1½ million seedlings will be raised in seed beds. The trees will be planted along the line of the Chateaugay branch. Another nursery has been started at Oneonta, where 250,000 oak seedlings will be raised. The present nursery at Wolf Pond will be used for the storage of present stock—Country Gentleman.

THE American Pomological Society will hold its next convention at Tampa, Fla., in connection with the meeting of the State Horticultural Society, January 31 to February 3. The Florida society has invited all kindred associations east of the Mississippi and south of the Ohio, and also from Cuba to join in the meeting. The Pomological Society offers a number of Wilder medals, and it is expected that this fact will influence many fruit growers to show. It is 21 years since the Pomological Society last visited Florida.

# A BLUE ROSE

## The Greatest Rose Novelty of the Century

*It flowered with us this season and was greatly admired.*

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of *Crimson Rambler*, very vigorous and hardy, and free blooming.

*Send for description and price.*

**ELLWANGER & BARRY**

Mount Hope Nurseries

ROCHESTER, N. Y.

## ROSES Our Leading Specialty

Also Azaleas, Rhododendrons, Conifers, Fancy Clipped Boxwoods, Forest and Fruit Trees, Hedge Plants, Etc.  
Ask for Wholesale Price Lists.

**S. A. VOSTERS & SONS,**

**RIEL, HOLLAND.**

### Trees and Shrubs at Rochester, N. Y.

*Tilia platyphyllos* has just passed out of flower. *T. vulgaris* is now in full bloom, and *T. ulmifolia* is just beginning to blossom. *Catalpa speciosa*, which is always the first of the catalpas to flower, has been in good blossom eight or ten days and is very showy.

There are a few flowers still lingering on *Magnolia parviflora* and *M. Watsoni*. *M. glauca* is still in good bloom and how deliciously fragrant it is! *M. macrophylla* is still showing a few of its immense and showy flowers. W. J. Bean, the well known British dendrologist, and superintendent of the arboretum in the Kew Botanic Gardens, London, looked at a large tree of *M. macrophylla* in the Ellwanger & Barry nurseries the other day with profound admiration, and was much surprised to see it doing so well so far north in this country. The hybrid *M. Thompsoniana* is now in good bloom.

*Cornus Kousa*, whose flowers much resemble our native *C. Florida*, has been in flower two weeks or more, and is now passing away. This is a rare and choice arborescent shrub or small tree where it does well. It does splendidly with us on a southern slope in light, sandy soil. *C. asperifolius* is now in full flower. *C. Purpusi* is a little past its best in some situations. *C. amomum*, which flowers from four to five days after *C. Purpusi*, and in some respects much resembles it, is now in full bloom.

A number of the late-blooming spiraeas are now in flower. *Spiraea Billardi*, *S. Douglasii*, and *S. Menziesii* with pinkish red flower spikes are now in full bloom, *S. palicifolia* with pinkish spikes, and *S. alba* with white flower spikes are both in fine flower. *S. Bumalda* and *S. Anthony Waterer* with pinkish red, and red flower-corymbs are in full bloom. *S. canescens* with white flower umbels is passing out of bloom.

*Hydrangea arborescens grandiflora* is now remarkably showy and effective in bloom. *H. Bretschneideri* has been in fine flower two weeks. What a fine blooming Chinese shrub this is!

## A GOOD INVESTMENT

Evansville, Ind., Feb. 18, 1910.  
AMERICAN FLORIST Co.  
Chicago.

DEAR SIR:—I am using your Trade Directory and out of 4000 nurserymen we circularized only two circulars came back. I am enclosing these names as you may want to make the changes.

A. J. LOCKYEAR.  
New Edition Now Ready—Price \$3.00.

## Jacs Smits & Co.,

NAARDEN,  
(Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Price List Free on Demand.

It forms a handsome, spreading bush six to eight feet across, and eight feet or more in height, and the showy flat-tish white flower clusters render it most effective for garden decoration. *H. quercifolia* is just coming in bloom, but it is precariously hardy with us, and is liable to be much injured in a severe winter.

*Genista juncea* is in fine bloom just now, and is very conspicuous with its large showy yellow blossoms. *G. tinctoria* and its variety *Elatior* is in full bloom, and makes effective low yellow groups. *Cytisus hirsutus* is in full flower, and *C. leucanthus* von Schipkaensis, a low-spreading shrub with whitish blossoms, is now in full bloom and is an interesting little plant. *Amorpha canescens* with bluish lavender compound erect spikes is a little past its best. This shrub of course gives variety to a large collection but otherwise it is not particularly showy.

*Rhododendron maximum* is now in full bloom and is important when most other rhododendrons are past. *R. Govenianum* with purplish lavender



## Phoenix Nursery Company

**Nurserymen and Florists**  
BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for fall issued Sept. 1st.

### 500,000 California Privet FOR FALL OF 1910.

A fine stock of 1 and 2 year plants from 12 inches to 4 feet will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.

Also a fine stock of **AMPELOPSIS Veltchii**, 2 years transplanted.

**CHAS. BLACK,** Hightstown, N. J.

## Hybrid Perpetual and Rambler Roses

**Strong Forcing Stock for Florists.**

Orders for fall delivery booking now.

**Jackson & Perkins Company, Newark, N. Y.**

flowers is now in full blossom. This is a genuine hybrid and was raised from the seed of *Azalea nudiflora* impregnated by the pollen of a hybrid raised between *Rhododendron ponticum* and *R. Catawbiense*. This interesting plant has been in cultivation at least 75 years. *Azalea arborescens* is now in good flower, and the white flowers occasionally tinged with pink are showy. *A. viscosa* is in full bloom, and will continue for some time.

*Kalmia latifolia* has been very effective in bloom this season, and is now passing away. *Zenobia speciosa* with handsome bell-shaped white flowers has been attractive for the past week and *Lyonia ligustrina* with its clusters of whitish blossoms is now in full bloom. The dainty cross-leaved *Heath* (*Erica tetralix*) is now in bloom, and some individuals of the white heather (*Calluna vulgaris alba*) are showing a few open flowers, but it will be two weeks or more before it will be in full bloom. *Gautheria shallon* with its racemes of dainty white flowers is now in bloom. This is precariously hardy here.

*Ligustrum Ibo* and *L. Amurense* have been quite showy for the past 10 days, and are past their best. *L. Chinense* with its large white flower clusters is now very showy. This is a remarkably fine privet, but of course, it is liable to be much injured in a hard winter. A few flower clusters may still be seen on *L. vulgare*, in its numerous forms. *Philadelphus Californicus* which is the latest of the *philadelphuses* to blossom is now almost in full beauty.

*Deutzia scabra* (*D. crenata*) in its several forms has been very showy for the past week or 10 days. *D. Vilmorenae* with showy clusters of pure white blossoms has been most beautiful for the past week. This is a most important acquisition amongst *deutzias*, but it is absolutely hardy and should always be planted in what we all understand to be a well sheltered and warm situation. As it is a late flowering *deutzia* it is all the more desirable.

*Itea Virginica* is now in full bloom and its white flowers and spikes are interesting. This is a most important low shrub for its high colored foliage

# Bobbink & Atkins

World's Choicest Nursery and Greenhouse Products

## Bay Trees, Boxwood,

**Evergreens and Conifers,  
Rhododendrons and Herbaceous  
Plants, Kentias and Phoenix.**

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity.

German Iris, in 50 named varieties, \$6.00 per 100.

Japan Iris, in 10 best named varieties, 8.00 per 100.

**Nurserymen and Florists Rutherford, N. J.**



## Arbor Vitæ

(*Thuja Occidentalis*.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees,  
Write for descriptions and prices.

**The Wm. H. Moon Co.,**  
MORRISVILLE, PA.

## DAHLIAS

Jack Rose and other best Cut Flower varieties. Write for list and prices.

**PEACOCK DAHLIA FARMS**

Williamstown Junction, N. J.

## LARGE TREES

OAKS and MAPLES  
Pines and Hemlocks

**ANDORRA NURSERIES,**

Wm. Warner Harper, Prop.  
Chestnut Hill, PHILA., PA.

in the fall. *Calycanthus Floridus* and *C. fertilis* (*C. lævigatus*) have been in bloom for some time, and the former is particularly valuable for its highly fragrant flowers.

*Rosa lucida* and its white variety (which, by the way, we strongly suspect may turn out to be a species), have been in bloom for some time, and still show a considerable number of flowers. *R. rugosa* in its numerous forms and hybrids, are in abundant bloom and have been for some time. *R. Beggereana* with white flowers has been in full bloom 10 days and is a most interesting species. *R. scalarata* with large handsome single blush blossoms has been in bloom a week. *R. arvensis*, with a sarmentose habit, and lovely white flowers, is now in full bloom. This is a native of Europe, and is very popular with all who are acquainted with it, for garden decoration, and landscape embellishment.

## NEW BERRY, HIMALAYA GIANT

Berry Catalogue free with Colored plates

Berrydale Experiment Gardens, Holland, Mich.

## THE Storrs & Harrison Co.

**PAINESVILLE NURSERIES.**

CATALOGUES AND PRICE LISTS

FREE ON APPLICATION.....

**PAINESVILLE, OHIO.**

## ROSES

Send for our list of own root, two-year-old roses in all the leading *Teas*, *Hybrid Teas* and *Hybrid Perpetuals*, strong two-year-old plants, just the kind for benching or for planting in the open ground. Our list includes the choicest sorts and the prices are low. Write today.

**THE DINGEE & CONARD CO.** West Grove, Pa.

## JOHN T. WITHERS, Inc.

**Landscape Architect and Forester**

1 Montgomery St., **JERSEY CITY, N. J.**

**Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture**

## Eugene Pitou, Jr. CIVIL ENGINEER and Landscape Architect

Phone Barclay 6084—229 Broadway, New York  
Designs, Estimates, Construction of Grounds

The New Jersey tea (*Ceanothus Americanus*) is now in full bloom in our woods and parks, and I think I never saw it so abundantly flowered and so effective as it is this season. B. H. Slavin, the foreman at Seneca park, called my attention to a blush form, or white flowers tinged with pink, which occurs here, the aspect of which is remarkably dainty and pretty, and it is certainly worth special selection and cultivation.

JOHN DUNBAR.



## Aster Plants

Simple's Branching and Queen of the Market  
fine plants of the best strains, \$1.75 per 1000.  
5000 for \$7.50.

## Cabbage, Celery, Peppers, Sweet Potatoes, Tomatoes,

Brussels Sprouts and Celeriac.

Fine plants from the field, \$1.00 per 1000; 5000 for  
\$4.00; 10,000 for \$7.50; all the best varieties.

J. C. SCHMIDT, Bristol, Pa.

## Nephrolepis Ferns...

We cannot book any more orders  
for delivery before July 10.

Henry H. Barrows & Son, Whitman, Mass

St. Louis.

STOCK POOR.

When visiting the wholesale houses during the past week we were struck with the large amount of flowers coming in, especially carnations, which are of very poor quality. The blooms are small and lack vitality. Many shipments arrive in a sleepy condition and are unsaleable and very unsatisfactory to the wholesaler who tries his best to dispose of the stock. There must be gluts but in mid-summer surely the growers could curtail the supply by shipping only the best of the cut and leaving the poorer stock at home. Roses show the effect of the warm weather; even Beauties show weakness and do not keep well.

### NOTES.

Don't forget the florists' picnic July 21. Chas. Schoenle, Frank Fillmore, Henry Ostertag, J. J. Benke and all the old school will be there; every one invited. The following is the lineup for the ball game:

|                 |                |
|-----------------|----------------|
| Sanders—        | Bentzens—      |
| Colle .....     | Catch .....    |
| McCann .....    | Pitch .....    |
| Kelly .....     | 1st B. ....    |
| Sanders .....   | 2nd B. ....    |
| Heapes .....    | Short S. ....  |
| Morgan .....    | 3rd B. ....    |
| Eggsicker ..... | L. field. .... |
| Sanders .....   | C. field. .... |
| Kurtz .....     | R. field. .... |
|                 | J. Bentzen     |
|                 | J. Munzberg    |
|                 | E. Gaffney     |
|                 | F. Maloney     |
|                 | G. Shinn       |
|                 | J. Keenoy      |
|                 | W. Bentzen     |
|                 | E. Maloney     |
|                 | A. Miller or   |
|                 | C. Bentzen     |

Umpire, G. Froning.

The baseball game it is said will be a corker. The Sanders team seems to be a very formidable aggregation, but Bentzens claim they are only on paper. Schriener, Oscar Heuttamann and George Schriener expect to do some umpiring; at least they say so.

The next meeting of the Florists' Club will be a very important one. Nomination of officers and information as to transportation for S. A. F. convention at Rochester will be included in the business.

The Riessen Floral Co. did all the decorating at the farmers' banquet; a decoration of bay trees mounted and arranged was a special feature.

Young & Son's windows have a fine show of chickens and a miniature lake with water plants which forms a very pretty scene.

C. A. Kuehn is a rooter for the Cardinals and is a visitor quite frequently to the ball park on Sundays and holidays.

F. H. Weber will soon take a vacation. He will probably tour in his car as he is an enthusiast in this line.

Geo. Waldbart will take a vacation shortly. He expects to go to San Francisco.

W. F.

ERIE, PA.—C. C. Yost has purchased a new Overland touring car.

20 Per Cent Discount on

## Bedding Plants for Stock

For the next ten days we will allow **A DISCOUNT OF 20 PER CENT.**  
on any of the following plants except Ferns and Cyclamen:

|                                                  | Per 100 |                                           | Per 100 |
|--------------------------------------------------|---------|-------------------------------------------|---------|
| 2 -in. Nutt Geranium .....                       | \$2 50  | 2 -in. Feverfew .....                     | 2 00    |
| 2 -in. Viand .....                               | 2 50    | 2 -in. Rose Geranium .....                | 2 00    |
| 3 -in. Nutt .....                                | 4 50    | 2 -in. Mme. Sallerol Geraniums .....      | 2 00    |
| 4 -in. Nutt .....                                | 6 00    | 2 -in. Dracena Indivisa .....             | 3 00    |
| 3 -in. Viand .....                               | 4 50    | 2 -in. Asparagus Sprengerii .....         | 3 00    |
| 4 -in. Viand .....                               | 6 00    | 3 -in. .. Pl. Nanus .....                 | 3 00    |
| 2 1/2 -in. Dbl. Petunias, 2 to 4 varieties ..... | 2 50    | 3 -in. .. ..                              | 7 00    |
| 2 -in. Ageratum, blue .....                      | 2 00    | 2 1/2 -in. Whitman, true variety .....    | 5 00    |
| 2 -in. Heliotrope, blue .....                    | 2 00    | 3 -in. Cyclamen, 4 colors, separate ..... | 8 00    |
| 2 1/2 -in. Dbl. Alyssum .....                    | 2 00    | 2 1/2 -in. Salvia .....                   | 2 50    |
| 2 -in. Lantana, 2 varieties .....                | 2 50    | 1 1/2 -in. .. ..                          | 2 00    |
| 2 1/2 -in. Centaurea Gymnocarpa .....            | 2 50    | 2 -in. Fuchsia .....                      | 3 00    |
| 2 -in. Coleus, 8 to 10 varieties .....           | 2 00    | 3 -in. .. ..                              | 6 00    |
| 2 -in. Moonvine, white .....                     | 2 50    |                                           |         |
| 2 1/2 -in. .. ..                                 | 3 00    |                                           |         |

Our stock is all well grown, and we will guarantee satisfaction. Give us a trial and see.

**D. U. AUGSPURGER & SONS CO.,** Box 394, Peoria, Ill.

Mention the American Florist when writing

## Asparagus Primroses

|                                | Per 100 | Ready July 15                 | Per 100 |
|--------------------------------|---------|-------------------------------|---------|
| Sprenger, 2 1/2 -in. pot ..... | 2 00    | Chinese and Forbes .....      | \$ 2 00 |
| Pansy Seed, new crop .....     | Per oz. | Obconica Alba and Rosea ..... | 2 00    |
| Giant Flowering .....          | \$ 4 00 | Obconica Gigantea .....       | 3 00    |

—Cash, No C. O. D.—

**JOS. H. CUNNINGHAM,** Delaware, O.

Mention the American Florist when writing

**20,000 Fine Tea Roses** Ready for bedding out in 2, 2 1/2 - and 3 -in. pots. **Soft Wooded**  
stock of all description to be closed out cheap for cash. Write  
your wants to **GEO. A. KUHLE, PEKIN, ILL.** Ferns worth the money. Our varieties include:

|                   | 2 1/2 -in. | 3 -in.  | 4 -in.  | 5 -in.  | 6 -in.  | 7 -in.   | 8 -in.   |
|-------------------|------------|---------|---------|---------|---------|----------|----------|
| Bostons .....     | \$5 00     | \$10 00 | \$15 00 | \$25 00 | \$40 00 | \$ 60 00 | \$100 00 |
| Whitman .....     | 7 50       | 15 00   | 25 00   | 50 00   | 75 00   | 100 00   | 150 00   |
| Amerphol .....    | 7 50       | 15 00   | 25 00   | 50 00   | 75 00   | 100 00   | 150 00   |
| Scotti .....      | 7 50       | 15 00   | 25 00   | 50 00   | 75 00   | 100 00   | 150 00   |
| Plumous .....     | 3 50       | 8 00    | 15 00   | 25 00   | 50 00   | 100 00   |          |
| Sprenger .....    | 2 50       | 5 00    | 12 50   | 25 00   | 50 00   |          |          |
| Maiden Hair ..... | 5 00       | 15 00   | 25 00   |         |         |          |          |
| Small Ferns ..... | 5 00       |         |         |         |         |          |          |

Specimen 10 -in. and up \$2 50.

Cincinnati.

TRADE QUIET.

Business is quiet; in fact there is hardly anything to report except that about two-thirds of the flowers received are carted to the dump or find their way to the hospitals. The intense heat had a telling effect on roses and carnations and very little choice stock is to be had in either line. An abundance of Longiflorum lilies and Shasta daisies were to be had, also very good valley and sweet peas, but, as before stated, business is quiet and the buyers do not take up over one-third of the flowers coming in. There is a fair demand for green goods of all kinds and an ample supply.

### NOTES.

The Murphy family picnic, an annual event, was held on July 4 at St. Joe. At this picnic all of Murphyville turns out and there is always large doings and an enjoyable time. Will Murphy, who by the way, celebrates his birthday on July 4, was master of ceremonies.

Arthur Becker of the Avondale Floral Co., leaves July 8 for Los Angeles, Calif., to visit his brother. Arthur says if the country suits him he might locate permanently, but we hope not, as we would miss his smiling countenance and original sayings very much.

H. B. McCullough and wife and their two children left for Niagara Falls on Thursday. They go as far as Cleveland in their auto, and from Cleveland

## Brides and Maids

2 1/2 -in. \$2.50, 100; \$25.00, 1000.  
Numerous other good sorts in prime stock

**THE LEEDLE FLORAL COMPANY**  
SPRINGFIELD-OHIO

to Buffalo by boat, then on to Niagara by trolley.

Miss Cora Pherson has returned from a three weeks' vacation spent with friends in the south, and looks as though her rest did her a world of good.

Louis Murphy has purchased Ray Murphy's interests in the greenhouses and in the future Ray will be connected with his father at 311 Main street.

E. G. Gillette takes his family to Traverse City, Mich., July 16, and will be away for about two weeks himself, combining business with pleasure.

The Florists' Society outing is on July 21, at the Country club. Take Lockland or Glendale cars and get off at the fair grounds.

Don't forget the annual meeting and election of officers at Gus Adrian's on Monday, July 11, at 3 p. m.

S.

BERLIN, MD.—There will be a meeting of the state Horticultural Society here July 28. Those who attend the meeting will find the nurseries of J. G. Harrison & Sons, located here, well worth a visit at this time.



# ROSES

3-inch pots 100 1000  
Killarney. .... \$5.00 \$40.00

Owing to changes in our plans we have a few thousand specially prepared Killarneys in 3-inch pots to offer while they last at the above low prices. Write today.

**GEORGE REINBERG**

51 Wabash Avenue, CHICAGO.

Mention the American Florist when writing

## Carnations

**F. DORNER & SONS CO.**  
La Fayette, Ind.

### New Orleans.

The past month has been fully up to the average so far as store trade is concerned. Perhaps the crop of weddings was not quite so large as usual, but graduation work kept all hands busy for quite a while. Then the trade in funeral designs has been heavy. While high priced designs have been few and far between, the amount of other grades has made a respectable total. The plant trade is virtually over for the season. Single tuberose and Speciosum lilies are in evidence now and late plantings of gladioli are just coming into bloom. Asters are not very plentiful yet, but the next two weeks will see them at high tide.

The last monthly meeting of the Horticultural Society was well attended and very interesting. In the absence of President Alost, who is in Europe, E. A. Baker was called to the chair and kept business moving without a hitch. It was decided to have the annual outing at one of the lake resorts on the afternoon of the next monthly meeting when the new officers will be elected. A banquet will follow the meeting, and a good time is assured. Virgin had asters, Speciosum lilies and Iris Kaempferii on the table and Newsham had spikes of Oncidium leucochilum and O. Wentworthianum Abele Bros. showed a nice sport of Nephrolepis Barrowsii which was finely tasseled on the ends of the fronds. They have quite a stock of it and claim that it does not revert. N. Barrowsii grandiceps would be a good descriptive title for it. It is quite distinct and showy. Two new members applied for admission to the society which is increasing remarkably in numbers.

X.

### Lexington, Ky.

Business conditions are about as good as can be expected for this time of the year. We are experiencing some real hot weather now. The thermometer registers anywhere from 80° to 90° in the shade every day. Cut flowers are in good supply. Roses are in fairly good supply and they retail for \$1-\$1.50 per dozen. The varieties most plentiful at present are Killarney, Kaiserin and My Maryland. Carnations are good and plentiful for the time of year and they retail for 50 cents per dozen. Some good gladioli are coming in to this market and they bring \$1-\$1.50 per dozen spikes now. Lilies are in good supply and sell for \$3 per dozen. Sweet peas are abundant at present and are slow sellers as every one seems to have them by the thousand. Snapdragons,

# WE TAKE THE LEAD

In what? What a foolish question! Don't you know? Didn't you hear of **GODFREY ASCHMANN**, the great *Araucaria* Importer, Grower and Shipper? These so well favored, everlasting green decorative plants, the *Araucaria Excelsa*, *Robusta Compacta* and *Excelsa Glauca*, are in favor more than ever this year.



This is our 25th anniversary since we began importing *Araucarias*. Watch! See us grow! Beginning 25 years ago with 100, our this year's (1910) importation is 10,000, and more are coming this fall after I have made my selection of the choice of the choice on my trip to Belgium; the growing district of the world in *Araucarias* and *Azaleas*. The trade is well informed that for many years past I go personally to Belgium to protect and select for my customers the best of *Araucarias*, *Azaleas*, *Palms*, etc., that cash can buy there. Empty houses won't pay. Now is the time to fill your empty houses with something to grow into money while you are asleep.

Remember, it is the wideawake man that is not afraid to invest a dollar that makes the money. Please look at our special low prices for superior stock.

**Araucaria Excelsa**, raised from top cuttings, no seedlings. Plants, 5-5½-6-7 in. prts. 12-15 18 20-25-30 in. high. 3-4 5-6 tiers 2 3-4-5 years old. 35c. 50c 60c. 75c \$1.00. \$1.25 to \$1.50 each.  
**Robusta Compacta**, *Excelsa Glauca*, 6 in. pots, \$1.00 to \$1.25 each.  
**Kentia Forsteriana**, in fine shape, 6-in. pots, 30 35-40 45 in. high 4-5-6 years old. 75c. \$1.00. \$1.25 \$1.50 \$2.00 to \$2.50 each.  
**Kentia Belmoreana**, 25-30-35-4 in. high 5-5½-6-7 in. pots. 5-6-7 years old. 50c. 75c. \$1.00. \$1.25. \$1.50 to \$2.00 each.

**Kentia Belmoreana**, 2½ to 3 in., 10c each.  
**Standard Bay Trees**, 1 foot tubs, 7 ft. high from bottom up, \$8.00 per pair.  
**Sago Palms**, ready July 15 6-7-8 in. pots, from 5 to 20 leaves 10c per leaf.  
**Cocos Weddelliana**, 3 in. pots. 18c to 20c.  
**Nephrolepis Whitmanii** Boston and Scottii, 4 in., 20c; Scholzei 4 in., 25c; 6 in., 40c.  
**Begonia Gloire de Lorraine**, deep pink, 4 in., 25c.  
**Begonia Lonsdale**, pale pink, 4 in., only 25c.  
**Begonia Vernon**, pink and red, 4 in., 7c.  
**Begonia Flambeau**, 6 in. 25c.  
**Fuchsias**, in bloom, assorted, 4 in., \$7.00 per 100.  
**Cannas**, Richard Wallace (best of the red), J. D. Fisele (also one of the new best reds), large 4 in., \$7.00 per 100.  
**Scarlet Sage**, Clara Redman, 4 in., 7c.  
**Verbenas** and **Phlox Drummondii** and **Single Petunias**, in bloom, 3c.  
**Double Petunias** 4 in., in bloom (red or pink), 7c.  
**Coleus**, Golden Buzzer, Queen Victoria, 2½ in., 3c.  
**Dusty Miller**, for edging, 3c.  
**Lobelia**, blue, dwarf or trailing, 3c.  
**Summer Chrysanthemums** or **Paris Daisies**, **Acalypha** and **Nasturtiums** (dwarf), **Tradescantia**, **Ground Ivy** (variegated), 2½ in. pots, 3c.  
**English Ivy**, 3 in., 5c.  
Our well known **Moonvine**, 4 in., 10c; 2½ in., 5c.  
**Primula Obconica**, best strain, 4 in., 10c; 5 in., in bloom, 15c.  
**Double White Geraniums**, in bloom; also **Lantanas**, **Heliotrope** and **Ageratum** (blue), 7c.  
**Cosmos**, separate colors 2½ in., 3.00 per 100.  
**Running Roses**, such as **Crimson Rambler**, **Dorothy Perkins**, **Lady Gay** 6-7 in., pot grown 35c, 40c and 50c.  
We have an unsurpassed strain of **Solanum Multiflorum** (Jerusalem Cherries). Can offer only a limited quantity. 2½ in. pots, \$5.00 per 1000.  
Cash with order, please.  
All plants must travel at purchaser's risk.

## GODFREY ASCHMANN

Wholesale Grower and Importer of Potted Plants, 1012 West Ontario St., PHILADELPHIA, PA.

# BEGONIA

## Gloire de Lorraine

Fine Stock, from 2½-in. pots.

Doz., \$2.00; per 100, \$15.00; per 1000, \$140.00.

**VAUGHAN'S SEED STORE**  
25 Barclay St., NEW YORK. 84-86 Randolph St., CHICAGO.

stocks and other flowers are plentiful at present and are not called for much. Asters will be in before many more days and it is reported that they will be plentiful this year. Green goods are in good supply. All are busy planting chrysanthemums and most growers have finished planting roses and carnations. Taking everything as a whole, stock is in very good condition this year.

### NOTES.

Work is going on rapidly at the J. A. Keller estate and much repairing is being done at that place. Five thousand chrysanthemums have been planted here and the stock is in excellent condition. J. Ferdinand Keller, the manager, is contemplating a trip to French Lick Springs, Ind., in a few weeks.

It is reported that Anderson & White, the lady florists on Georgetown street, are going to erect a conservatory in a few weeks.

## SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums  
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

**Wood Brothers.** FISHKILL, New York.

Mention the American Florist when writing

Louis D. Singer of Thorn Hill, Frankfort, is installing a new Furmann steam boiler to take the place of hot water.

Some of the down-town stores closed their places on the afternoon of the Fourth.

Shearer, the Florist, of Winchester, was a recent visitor here, buying stock.

R. H. Tacke, superintendent of parks has been on the sick list.

Lucien Le Clere was in Paris last week on a fishing trip.

L. L. C.



# Vaughan's Giant Pansies

**10 per cent special CASH DISCOUNT.** On orders over \$2 for Flower Seeds if cash is enclosed, **10 per cent.** The discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent.

## VAUGHAN'S "ELITE PANSIES."

This is not a complete mixture like our International; it does not contain any pure white, yellow or any self colors. It is comprised of the cream of four Pansy specialists' choicest and most expensive mixtures. Trade pkt., 50c; ½ oz., \$1.00.

## VAUGHAN'S PREMIUM PANSY MIXTURE.

Embraces all the varieties of the Fancy German Sorts. We have sold this mixture for the past seventeen years, and it has given general satisfaction. Per pkt. 25c; ½ oz., 75c; ½ oz., \$2.50; oz., \$5.00.

## IMPROVED GERMAN MIXTURE.

This is a mixture of three strains from different German growers, and is made up mostly of separate colors, with a sufficiently large percentage of white and yellow. Per large pkt., 10c; ½ oz., 20c; ½ oz., 30c; oz., \$1.00.

## VAUGHAN'S INTERNATIONAL PANSIES.

Vaughan's International Pansy Mixture was first prepared and offered by us in 1889. We import from all the best European sources, and personally inspected the fields of French and German specialists of their finest strains. Each year has added to the quality of its flowers, the variety of its colors. We buy every year novelties of known merit to improve the mixture. This is the reason it is always complete, always the latest and always the best mixture AS WE BELIEVE. We add to all the Pansy Mixtures, which we now buy more than fifty per cent of choicest named kinds obtainable, each in rightful proportion. We thus know what it will produce. This is one of the SPECIALTIES which has established and held the reputation of Vaughan's Flower Seeds and this is one which we maintain most carefully, not alone as to quality, but in vitality and germination. You are beginning right in Pansy growing when you start with Vaughan's International Mixture. Trade pkt., 50c; ½ oz., \$1.50; ½ oz., \$5.00; oz., \$10.00.

## VAUGHAN'S CUT FLOWER MIXTURE.

This mixture is put up by ourselves and contains mostly light colored sorts. We have sold this mixture for several seasons to some of our Chicago cut flower growers, who have realized big returns from the sale of the flowers. Pansies are as easily grown as violets, require less care and bring better returns. Trade pkt., 50c; ½ oz., \$1.00; ½ oz., \$2.00; oz., \$5.00.



## VAUGHAN'S "GIANT PANSY MIXTURE."

Embraces besides all the separate shades and colors, five special strains not listed elsewhere, and which can only be had in this and our International mixture. This mixture includes the richest reds, coppers and bronzes, together with the most delicate rose and pink shadings, all the distinct colors of Trimardeau, the splendid Cassier strain. Trade pkt., 25c; ½ oz., 60c; oz., \$4.00; ¼ lb., \$14.00.

Our list of "Seeds for Summer Sowing" now ready; if you have not received a copy please write for same.

# VAUGHAN'S SEED STORE,

84 and 86 Randolph St., CHICAGO

Greenhouses: Western Springs, Ill.

25 Barclay St., NEW YORK.

## PALMS, FERNS AND Decorative Plants

**JOHN SCOTT,** Rutland Rd. & E. 45th St.  
BROOKLYN, N. Y.

**EDELWEISS** (*Leontopodium alpinum*)  
—In *Le Moniteur du Jardinier*, Mons. F. Comte gives a useful account of the method he adopts for the successful cultivation of this plant. The seeds, when sown under glass, germinate very rapidly in sandy, well-drained soil, but the young plants are exceedingly liable to damp off soon after the appearance of the cotyledons. To avoid this difficulty the young plants should be pricked out very carefully as soon as possible after the first leaves are developed and kept somewhat dry. After the growth of five to eight leaves the plants may be transferred to small pots and placed outdoors in a sunny place as soon as they have recovered from the necessary disturbance in the potting operations. After the first frost in autumn they are best removed to a cool greenhouse, where they should be kept dry all the winter, little or no water being given them until the small, white central bud shows signs of awakening in February or March. Soon after this they may be planted out in the rockery or open border in a warm, sunny aspect, care being taken to supply lime to the soil; un-

## Smilax, Sprengerii,

Smilax at \$12.00 per 1000  
Sprengerii at \$15.00 per 1000.

Let me send you a sample.

**ALBERT M. HERR,**

## Geraniums, Rooted Cuttings

Ricard, Poitevine and S. A. Nutt. Orders booked for delivery on or before Oct. 15 at \$10.00 per 1000.

**Lancaster, Pa.**

## Chrysanthemums

We have the following plants ready for immediate shipment in quantities from 100 to 1000:

Beatrice May, Clementine Touse, Comoleta, Crema, Crocus, Dr. Enguehard, Early Snow, Gloria, Golden Wedding, Helen Frick, Intensity, Jeanne Nonin, L' Africaine, Lynnwood Hall, Monrovia Mrs. W. E. Kelley, Mrs. Coombes, Mrs. Robinson, Nagoya, October Frost, Pink Ivory, Robt. Halliday, Rosiere, Virginia Poehlmann, Viviani Morel, White Bonnaillon.

**\$2.50 per 100.**

When making order, please state if we may substitute in case we are sold out of varieties selected.

**Elmer D. Smith & Co., ADRIAN, MICH.**

less the latter precaution is observed the plants do very badly. Plants cultivated in the above manner flower freely in May and June. They should be divided every second season in March or April.—Gardeners' Chronicle.

## A New Fern NEPHROLEPIS GIATRASH

**Awarded a Certificate of Merit by the Horticultural Society of New York.**

**Prices:** In 2¼-inch pots, \$2.00 per dozen; \$12.00 per 100; \$100.00 per 1000. 25 plants at 100 rates; 250 plants at 1000 rates. Orders delivered in rotation as received. **Now Ready for delivery,**

**GEORGE GIATRASH,**  
463 Summit Ave., West Hoboken, N. J.

Mention the American Florist when writing

## Ferns for Dishes...

Assorted varieties, 2¼-in. pots, \$3.50 per 100; \$30.00 per 1000. Cash with order.

**FRANK OECHSLIN**  
4911 Quincy St. CHICAGO.

Mention the American Florist when writing



## Heacock's Large Palms in Cedar Tubs—Dur- able, Serviceable, and Good for Lots of Rough Handling.

The "Heacock Way" of growing Palms means a lot more than developing perfect plants, though we're proud enough of that. It means growing them—the large sizes especially—in substantially-built tubs of Virginia cedar, well-hooped and neatly painted. We have found, by careful trial, that the larger sizes do better in tubs than in pots, and hereafter will supply our Kentias, in 7 inches and above, in these cedar tubs.

You will appreciate this fact because you can handle the outfit as you please, without danger of breaking it; you can carry it around by the top with the assurance that the tub won't fall—and you know that a plant never fits rightly, once the pot has come off. Therefore the "tubbed" palm grows, and ships, and handles, better than the potted one, and gives better satisfaction in every way. Your customers, too, will find them just as ornamental as jardinières, and easier to handle.

Putting our palms in tubs because it makes them grow better, is only a single instance of the pains we take to grow Palms that will really succeed—make money for you and please your trade. The fact that we have been serving the same customers season after season for years, and that we are continually adding to our list of new ones, rather indicates to us that our palms are what the trade wants. Are you with us? If not, we'll welcome an opportunity to demonstrate!

| KENTIA BELMOREANA. |        |              |          |            |
|--------------------|--------|--------------|----------|------------|
| Pot                | Leaves | High         | Per doz. | Per 100    |
| 5-in.              | 6 to 7 | 18-in.       | \$6 00   | \$50 00    |
| 5-in.              | 6 to 7 | 20-in.       | 9 00     | 70 00      |
|                    |        | Each         | Dozen    |            |
| 6-in.              | 6 to 7 | 22 to 24-in. | 1 00     | 12 00      |
| Tub                |        |              | Each     |            |
| 9-in.              | 6 to 7 | 42 to 48-in. |          | 5 00       |
| 9-in.              | 6 to 7 | 5-ft.        | 7 50     | and \$8 00 |

| MADE-UP KENTIA FORSTERIANA.                   |  |  | Each    |
|-----------------------------------------------|--|--|---------|
| 9-in. tub, 4 plants in tub, 42 to 48-in. high |  |  | \$ 4 00 |
| 12-in. tub, 4 plants in tub, 6-ft. high       |  |  | 15 00   |

### ARECA LUTESCENS

| Pot                                  | High | Each   |
|--------------------------------------|------|--------|
| 6-in., 3 plants in pot, 26 to 28-in. |      | \$1 00 |
| 7-in., 3 plants in pot, 30 to 32-in. |      | 2 00   |
| 8-in., 3 plants in pot, 36-in.       |      | 2 50   |
| 8-in., 3 plants in pot, 42-in.       |      | 3 00   |

| COCOS WEDDELIANA             |  | Per 100 |
|------------------------------|--|---------|
| 2½-in. pot, 8 to 10-in. high |  | \$10 00 |

| PHOENIX ROEBELENI.               |  | Each   |
|----------------------------------|--|--------|
| 5-in. pots, nicely characterized |  | \$1 00 |
| 6-in. pots, nicely characterized |  | 1 50   |

"When in Philadelphia be sure to look us up"

**JOSEPH HEACOCK CO., Wyncote, Pa.**



### Frederickton, N. B.

Cool and wretched weather has been the general expression of most people for the last month or so here, although it is sure to suit some things, such as grass, lettuce, celery, the cabbage family, etc. Strawberries are just getting ripe and look promising for a big crop, both wild and cultivated. The trade in plants and cut flowers is near at an end, as the schools are just closed. The two florists here, Bebbington & Son and Miss Schleyer, seem to be satisfied with the demand, although annuals have been less called for of late years. Asters and pansies seem to be the most popular here in Frederickton. After our hotbeds have been emptied of lettuce and radishes they are filled with musk melons, or, as some persist in calling them, "cantaloups," and cucumbers. The former seem to sell when matured about September 3. The cucumbers, although cheap, seem to be relished by the help, as they are fresh and get them gratis mostly. These come in July and August, when the temperature is higher. Our peonies are just in bloom. We were highly interested in your report or description of Boston peony show and society, although the weather, like our own, was unfavorable. We feel like recalling some 40 years' past experience when your correspondent was an employee in the establishment of C. M. Hovey, Cambridge, who was a great enthusiast, and also a commercial pioneer in importing a fine collection of both tree and herbaceous specimens. Messrs. Hovey, so far as I know, had an acre all named and made a sensational show about June. H. H. Hunnewell of Wellesley was the large-

## Extra Fine.... Rose Stock

Ready to Ship

|                 | 2½-in.  | 3½-in.  |                          | 2½-in.  | 3½-in.   |
|-----------------|---------|---------|--------------------------|---------|----------|
|                 | 100     | 1000    |                          | 100     | 1000     |
| White Killarney | \$ 8.00 | \$75.00 | Richmond                 | \$ 5.00 | \$45.00  |
| Pink            | 6.00    | 55.00   | Perles, elegant stock    | 5.50    | 50.00    |
| My Maryland     | 6.00    | 55.00   |                          |         |          |
| Kaiserlin       | 3.00    | 30.00   | American Beauties, 3-in. |         | Per 100  |
| Cardinal        |         |         | American Beauties, 4-in. | 12.00   | 110.00   |
|                 |         |         |                          |         | Per 1000 |

### CHRYSANTHEMUMS

100,000 2½-in. Mums of the Following Varieties.

Good strong stock, ready for benching:

|                 | RED.    | 2½-in. per 100 |       | WHITE.                          | 2½-in. per 100 |
|-----------------|---------|----------------|-------|---------------------------------|----------------|
| Schrimpton      |         | 3.00           | 25.00 | Timothy Eaton                   |                |
| Intensity       |         | 3.00           | 25.00 |                                 |                |
|                 | YELLOW. | 4.00           |       | POMPONS.                        | 2½-in. per 100 |
| Golden Glow     |         | 3.00           | 25.00 | Baby, Klondyke, Zenobia, yellow | \$2 50         |
| Halliday        |         | 3.00           | 25.00 | Briola, pink                    | 2.50           |
| Major Bonnafion |         | 3.00           | 25.00 |                                 |                |

### SPECIAL OFFER—BIG BARGAIN.

This is the time to plant Oct. Frost and Monrovia.

|                    |                  |                         |                                   |
|--------------------|------------------|-------------------------|-----------------------------------|
| Monrovia, 2½-in.   | \$20.00 per 1000 | Merry Christmas, 2½-in. | 20 00 per 1000                    |
| Oct. Frost, 2½-in. | 20.00 per 1000   | Roosevelt, 2½-in.       | \$25.00 per 1000                  |
|                    |                  | Smilax, 3-in.           | \$4.50 per 100; \$40.00 per 1000. |

**POEHLMANN BROS. CO., Morton Grove, Ill.**

est private orchid grower, although Messrs. Hovey had a small collection and were very prominent in camellias azaleas and agaves, having thousands of the latter. C. M. Hovey had a wonderful retentive memory, was a living cyclopedia of knowledge on horticulture and floriculture, could recall any plant, tree or flower for 50 and 60 years past if engaged in a conversation on the subject. J. B.

SAVANNAH, GA.—John Wolf has suffered quite a serious loss in the fire at the building in which his retail stand was located. The whole place was burnt to the ground and he will have to move to other quarters until the place can be put in working order again. About \$500 damage was done and Mr. Wolf carried no insurance. It will make no difference to his wholesale business.



## The Newer Lillacs.

Of all spring-flowering subjects in the garden none are more appreciated than the lilac. Even the ordinary form of *Syringa vulgaris* is lovely, but when we consider the great improvement made in varieties during the last 15 years, or even less, one cannot wonder at the appreciation the newer forms find with those who are conversant with them. Most of these have larger panicles of bloom, while the individual flowers are of greater size and better form than in old varieties, and the colors are more intense and varied.

As an illustration we may take the variety *Souvenir de Louis Spathe*, and compare it with the type, or even with *Charles X*. In the newer variety the color is again intensified, but even this is superseded by *Negro* in point of color, for the latter retains its purple blue color for a longer time; individually, too, the blooms are larger.

Of double and single-flowered varieties it is an easy matter to select four dozen that are quite distinct, and this is quite ample for even a large collection. But seldom do we see lilacs given a fair share of attention; too often they are crowded in the shrubberies, and more often than not given a position under tall forest trees, where they struggle on, and seldom have a chance to display their beauty of color and form.

To grow lilacs well abundance of space should be provided, in order that the growths may become properly ripened each season, this being necessary to ensure freedom of flowering. Deeply-dug and well-manured stiff soil will grow lilacs to perfection, provided they receive other attention, such as the removal of suckers, which too often spring from the common stock upon which the choicer varieties are grafted. The removal of weakly shoots to insure the perfect maturation of the stouter ones is also necessary, and copious supplies of liquid manure in May, when the panicles are developing, is of great assistance in increasing the size of the blossoms and improving the color. Newly-planted bushes should be pruned to within an eye or so of the base with a view to secure a dwarf specimen of good shape, as some varieties are apt to run up in an ungainly manner. The following are a few of the newer varieties worthy of any collection:

## DOUBLE-FLOWERED VARIETIES.

It seems difficult to realize a finer white-flowered lilac than *Madame Lemoine*, but the newer variety—*Miss Ellen Willmott*—is a distinct advance in purity of color and size of the individual blossoms. The panicle in *Madame Lemoine* is perhaps longer, and the newer variety is later in developing its flowers, which is an advantage, as the season is thus extended. *Jeanne d'Arc* is a desirable sort where greater variety is required. *President Loubet* has carmine buds and deep purple-red flowers. *Waldeck Rousseau* is a charming variety, with extra large flowers of a rosy-lilac color, becoming white towards the center. *Maurice de Vilmorin* has a thick panicle, and the buds are attractive by reason of their

## The Remaining Stock of

## Orchids Now in Excellent Condition

403 *Cattleya Trianae*, established stock. 5 to 8 breaks.  
304 *Cattleya Lablata*, 4 to 6 breaks.  
100 *Cattleya Schroederæ*, 4 to 6 breaks.  
All the above named at \$2.00 each.

200 *Cattleya Percivalliana*, at ..... \$1.00  
209 *Cypripedium Leeanum*, at ..... .50  
150 ..... 1.00  
75 ..... 2'00

## Cleaning Up on Roses---Splendid Value

2000 each. *Bride*, *Malds* and *Richmond*.  
1000 *Rhea Reid*, at ..... 6c

3000 *Beauties*, at ..... 15c  
500 *My Maryland*, grafted stock at ..... 20c

CHARLES H. TOTTY, Madison, N. J.

## Orchids



Arrived: *Cattleya Trianae*, *C. Gaskelliana*, *Oncidium varicosum*, *O. crispum*, *O. Forbesii*, *O. Harrisonianum*, *Miltonia tuncata*, *Odontoglossum grande*, *Lælia purpurata*, *grandis tenebrosa* and *flava*.

Lager & Hurrell Summit, N. J.

## ORCHIDS

Just Arrived in fine condition: *Oncidium Varicosum*, *Rogersii*, *O. Marshallianum*, *O. Forbesii*, *Lælia Purpurata*, *L. Cinnabarina*, *Cattleya Citrina*, *Odontoglossum Grande*.

CARILLO & BALDWIN, Mamaronek, N. Y.

## ORCHIDS...

Largest Importers, Exporters, Growers, and Hybridists in the World.

SANDER, St. Albans, Eng.

NEW YORK OFFICE: 258 Broadway, Room 721.  
T. MELLSTROM, Agent.

## Jerusalem Cherries,

2-in. \$1.50 per 100.  
Heliotrope 2-in. 14c Chinese Primroses, 2-in. \$2.00 per 100. *Chrysanthemum* J Nonin, 2-in. \$1.50 per 100. ROOTED CUTTINGS. Prepaid: *Stevia*, 75c per 100; \$6.00 per 1000.  
Cash with order.

BYER BROS., Chambersburg, Pa.

rich red color, but when expanded they are blue with a white center. Dr. Troyanowsky has enormous panicles of rosy-pink buds, but the flowers are azure-blue when open. *Comte de Kerchove* is free-blooming, and a showy variety with rich red buds and rosy-pink flowers. *Madame Jules Finger* is very fragrant, with satin-rose flowers. *Condorcet* has the largest panicles of any variety, and the flowers are a lovely shade of blue. *Marc Micheli* has pink buds that open into blue flowers. *Souvenir de L. Thibaut* has rose-colored buds, with a purple-shaded blue flower.

## SINGLE-FLOWERED VARIETIES.

*Othello* is quite a superior variety, and the blooms are so placed that they do not overlap each other, which gives it a distinct and desirable appearance. The deep claret-colored flowers have a red border, but when open are pale red. *Uncle Tom* is of a deep violet-purple. Dr. *Mirabel* has tall, erect panicles of claret-colored buds, opening into purple-lilac flowers. *Gloire de la Reine* has red buds, changing to violet. Professor *Stockhart* is a lilac shade of blue. *Gloire de la Rochelle* has rosy-lilac flowers, changing to a light shade of blue.

## Orchids

## Fresh Arrivals

## CATTLEYAS

*Trianae*, *Schroederæ*, *Mendelii*, *Gigas*, *Gigas Sanderiana*, *Percivalliana*, *Speciosissima*, *Bowringiana* and *Aurea*.

## DENDROBIUMS

*Thyrsiflorum*, *Cambridgeanum*, *Crassinode*, *Renanthera Imschootiana*

## MILTONIAS

*Vexillaria* and *Rozeii*.

## CYPRIPEDIUMS

*Bellatulum*, *Charlesworthii*.

Ready to pot now.

G. L. FREEMAN CO.  
Fall River, Mass.

## Robert Craig Co...

## HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

## SPECIAL JULY PRICES

## White Helen Frick

The Best and Only Late White Mum.

Fine stock from 2 1/2-inch pots  
\$6.00 per 100, \$51.00 per 1000, 250 at 1000 rate.

HENRY EICHHOLZ, Waynesboro, Pa.

## Asparagus Plumosus

Strong 2-in. pots, \$2.25 per 100, \$20.00 per 1000.

## ROSES

Brides, *Malds* and *Richmonds*. Clean, extra strong 2 1/2 in. \$3.00 per 100 or will exchange for *White Killarney* at market rates.

W. W. COLES, Kokomo, Ind.

Pasteur has erect trusses of large flowers of a wine-red color, changing to mulberry-red.—Gardeners' Magazine.



# TRADE LIST

**Clematis**, *paniculata*, strong plants, \$10.00 per 100;

**Passiflora** *coerulea*, 3-in. pots \$5.00 per 100.

**Rose Geraniums**, 3-in. pots, \$4.00 per 100.

**Honeysuckle**, **Woodbine**, 4-in. pots, \$1.50 per doz.

Plants from 2½-in. pots, \$3.00 per 100;

**Achyranthes**, **Parlor Ivy**, **Ageratum**, blue; **Coleus**, *Verschaffeltii* **Queen Victoria** **Quadrangular**; **Impatiens** **Holstii**; **Alternantheras**, 4 varieties; **Chrysanthemums**, **White Cloud** **Pacific Supreme**, **Golden Glow**, **Ivory**, **Bailey**, **Klondike**, **Lulu**.

**Asparagus Sprengeri**, 2-in. pots, \$2.00 per 100; 2½-in. pots, \$3.00 per 100.

**Salvia**, **Bonfire**, 3-in. pots, \$4.00 per 100.

**Moonvine**, white, 3-in. pots, \$5.00 per 100.

**Begonia Vernon** in bloom, 3-in. pots, \$5.00 per 100.

**Asparagus Sprengeri**, strong plants from 3-in. pots, \$5.00 per 100.

**Clematis vitalba**, strong transplanted seedlings, \$1.00 per 100, \$8.00 per 1000. This is one of the fastest growing vines, covered with long sprays of sweet-scented white flowers the whole summer.

**C. EISELE,**

11th and Westmoreland Sts. Philadelphia, Pa.

West Pullman, Ill.

J. M. Cochran and J. McKay, 448 One Hundred and Nineteenth street, have dissolved partnership, Mr. Cochran buying out the latter, who returned to his home in North Tonawanda, N. Y. Two new houses, 21x121 feet, have been built the past winter. They were bought from the King Construction Co., North Tonawanda, N. Y. The houses are made of iron and concrete; concrete walks will be put in next week. Mr. Cochran, who looked after the erection of the houses, stated that they cost him about \$6,000. Two hundred fern and asparagus baskets, averaging 75 pounds apiece, hang from the roof, just low enough to be watered and high enough to be out of the way. All the posts are between the two houses and these serve as drain pipes and carry off all the water that comes into the drip gutters. A ventilating machine opens and closes all the shutters at once; all that is necessary to close the shutters is to start the wheel, the weight of the sash closing the shutters. Instead of using moulds to make the concrete posts for the benches, a board 7½ feet long, one inch thick and four inches wide was used, and two small pieces of board were nailed to this strip 2½ feet apart to stop off the posts, which were 2½ feet long, and also gave a place to nail the other board, which is continued in the same manner. After 16 of these were made to make 48 posts, a board was nailed on each side and the cement poured in. A level place eight feet square was used, and after the cement remained in this position until hardened the blocks were taken out and the same process gone over again. The posts cost five cents apiece and also saved buying moulds, and enough posts could be made at one time that were necessary to be used in the greenhouses. The walks were left a little wider than usual, so as to throw enough light on the plants which were placed under the benches. In fact, Mr. Cochran has double-decked benches in his houses. The old houses are empty, while the new ones are filled with ferns. There is 10,000 feet of glass on the premises.

Julius Zschau, 11146 Michigan avenue, Roseland, reports business as



## Chrysanthemum Cuttings

Now booking orders for June delivery.

| WHITE            | Per 100 | 1000    |
|------------------|---------|---------|
| Oct. Frost.....  | \$2 00  | \$15 00 |
| Touset.....      | 2 00    | 15 00   |
| Wanamaker.....   | 2 00    | 15 00   |
| White Cloud..... | 2 00    | 15 00   |

| YELLOW             | Per 100 | 1000  |
|--------------------|---------|-------|
| Monrovia.....      | 2 00    | 15 00 |
| Oct. Sunshine..... | 2 00    | 15 00 |
| Appleton.....      | 2 00    | 15 00 |
| Y. Eaton.....      | 2 50    | 20 00 |
| Halliday.....      | 2 00    | 15 00 |

**J. D. THOMPSON GARNATION CO.,**  
JOLIET, ILL.

being rushing. A new residence is being built at 3539 E. One Hundred and Second street, on the same premises occupied by the greenhouses. The new residence is built of concrete blocks and will be completed within the next month. Three new greenhouses will also be built, one 25x100 feet, the other two 25x65 feet. One of these will be used for a palm house, which will be connected to the residence. Mr. Zschau, who is the pioneer florist of Roseland, will superintend the building of the houses and the material will be purchased from the J. C. Moninger Co. At present the family are living at 11146 Michigan avenue, where the retail store is located.

John Van der Wal, One Hundred and Fourth street and Michigan avenue, Roseland, tore down all his old greenhouses and is busy putting up new ones. He formerly had 5,000 feet of glass, but when the new houses are completed he will have upward of 15,000 feet. Mr. Van der Wal is looking after the work himself. The material was bought from the Foley Manufacturing Co., Western avenue and Twenty-sixth street, Chicago. The houses will be built of concrete walls and posts and will be ready for fall planting. A new boiler will also be installed. Mr. Van der Wal does a wholesale business, but expects to do all retail in the near future. John Van der Floeg is employed as grower.

HAGERSTOWN, IND.—Mrs. Laura A. Grills says that an extremely late spring caused a great rush for some time but "the crest of the wave is now passed." Trade has been very good here.

FITCHBURG, CALIF.—K. Shinoda has a neat plant here of about 30,000 square feet of glass and grows for the wholesale trade only. Seven houses are devoted to ferns, two to carnations, and the balance to roses, such as Kaiserin, Moulton, Bridesmaid, etc.

## CALLA LILY BULBS

Prices quoted for July delivery.

## Narcissus Bulbs

Write for wholesale price list.

Planting stock of

**America Gladiolus Bulblets**

at \$3.50 per 1000, postpaid.

**LEEDHAM BULB CO.,** Santa Cruz, California.

## A FEW GOOD THINGS YOU WANT.

**Rex Begonia**, 2-in. \$5.00 per 100.  
**Geraniums**, **Nutt**, **Perkins**, **Grant**, **La Favorite**, **R. C.**, \$1.25; 2-in. pots, \$2.00; 3-in., \$4.00 per 100; **Viaud**, **Castellane**, **Poitevine**, **Jaulin**, **Ricard**, **Buchner**, **R. C.**, \$1.50; 2-in. pots, \$2.50; 3-in., \$5.00 per 100.  
**Asparagus Plumosus**, 2-in., \$3.00 per 100; 3-in., \$5.00 per 100. Cut fronds 25c per bunch.  
**Whitman Ferns** 4-in. 25c each.  
**Vinca Var.**, 2-in. \$2.00 per 100.  
**Roses**, **Bride Maids** and **Gates** 3 in., \$5.00 per 100.  
**Dracena Ind.**, 4-in., \$10.00 per 100.  
**Coleus** and **Alternanthera**, red and yellow: **Verbenas**, **Heliotrope**, **Cigar Plant**, **Scarlet Sage**, **Zurich**, always in bloom, 2-in., \$2.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order

**GEO. M. EMMANS,** Newton, N. J.

## Primula Obconica

**Gigantea**, **Grandiflora** and **Rosea** Varieties.

2-in., ready about August 1st to 15th, \$2.00 per 100. Cash with order.

## Chinese Primroses

Mixed, ready about Aug. 1st to 15th, \$2.00 per 100. Cash with order.

## ASPARAGUS SPRENGERI

Strong 2-in., \$1.50 per 100. Cash with order.

## WOOLSEY,

**The Florist,** **ROCKFORD, ILL.**

**Hartford, Conn.**

It was rose night at the meeting of the Horticultural Society in the county building, June 24, and those who were fortunate enough to attend were amply repaid by the large display of roses shown by President Huss, from the James J. Goodwin grounds, Alex. Cumming, Jr., head gardener at Elizabeth Park, and Gardener Mason, of the private gardens of the Pope place in Farmington.

The collection of roses included every known color, even the celebrated "blue" rose being among them, but it was hard to see how it could be called blue. President Huss made some interesting remarks, and called particular attention to *Rosa centifolia*, the oldest known rose in existence which can be traced back 2,000 years, a fine bunch of which was in his exhibit. It is a beautiful pink, very double and very fragrant. John Gerard, of New Britain, showed a dozen varieties of Japanese iris, of gorgeous colors. The paper read by Alex. Cumming, Jr., head gardener at Elizabeth Park, was vigorously applauded and a rising vote of thanks was extended to him.



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Alexander B. Scott.

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## ASPARAGUS.

Asparagus Sprenger, 2½-in. pots, fine stock, \$2.25 per 100; \$20 per 1,000. The Good & Reese Co., Largest Rose Growers in the World, Springfield O.

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Asparagus Sprenger, \$15 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus plumosus, 2-in., \$2.25 per 100; \$20 per 1,000. W. W. Coles, Kokomo, Ind.

## ARAUCARIAS.

Araucarias. For prices and varieties see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Phila.

## ASTERS.

Asters. Extra fine stock in choice varieties, 2-in., \$2 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Asters, \$1.75 per 1,000; 5,000, \$7.50. J. C. Schmidt, Bristol, Pa.

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Aucubas. Bobbink & Atkins, Rutherford, N.J.

## AZALEAS.

Azaleas. Jacs Smits, Naarden, Holland.

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Bay trees. For prices and sizes, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago & New York.

Bay trees, standard, 7 ft., \$8 per pair. G. Aschmann, 1012 W. Ontario St., Phila.

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Bedding plants: Cannas, R. Wallace, J. D. Eisele, 4-in., \$7 per 100. Salvia C. Bedman, 4-in., 7c. Verbenas, phlox, single petunias, 3c. Dbl. petunias, 4-in., 7c. Coleus, C. Bedder and Queen Victoria, 2½-in., 3c. Dusty Miller, 3c. Lobelia, 3c; Paris daisies, acalypha, nasturtiums, tradescantia, ground ivy, 2½-in., 3c. English ivy, 3-in., 5c. Moonvine, 4-in., 10c; 2½-in., 5c. Primula obconica, 4-in., 10c; 5-in., 15c. Dbl. white geraniums, Poltevine; lantanas, heliotrope and ageratum, 7c. Cosmos, 2½-in., \$3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

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Begonia Gloire de Lorraine, 3-in., 20c; 4-in., 25c. Vernon, 4-in., 7c. Flambeau, 6-in., 25c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

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Box trees. For prices and sizes, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Box trees, all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

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Chrysanthemums. We have 75 varieties, including singles and pompons, \$15 per 1,000. "Enough Sed." Ehman's, Corfu, N. Y.

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This is the time to plant Oct. Frost and Monrovia. 2½-in. .... \$20.00 per 1,000  
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 Merry Christmas, 2½-in. .... 20.00 per 1,000  
 Roosevelt, 2½-in. .... 25.00 per 1,000

**POMPONS.** 2½-in., \$2.50 per 100. Baby Klondike, Zenobia, Lulu, Diana, Briola, Quinola,

**POEHLMANN BROS. CO.,** Morton Grove, Ill.

Chrysanthemums, Oct. Frost, Touset, Wan-  
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 Appleton, Halliday, \$2 per 100; \$15 per 1,000.  
 Eaton, \$2.50 per 100; \$20 per 1,000. J. D.  
 Thompson Carnation Co., Joliet, Ill.

White Helen Frick, 2½-in., \$6 per 100;  
 \$50 per 1,000. Henry Eichholz, Waynes-  
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Chrysanthemums. For varieties and prices  
 see advertisement on page 1166. Elmer D.  
 Smith & Co., Adrian, Mich.

Chrysanthemums, leading vars. Wood Bros.,  
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Chrysanthemums, J. Nonin, \$1.50 per 100.  
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Clematis paniculata, \$10 per 100; 3-in., \$5.  
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Coleus, Golden Bedder, 2½-in., 2c. J. S.  
 Hennon & Son, Wampum, Pa.

Coleus, 2½-in., \$1.50 per 100. Mosbaek  
 Greenhouse Co., Onarga, Ill.

Coleus, 2-in., \$2 per 100. Geo. M. Em-  
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Cyclamen Persicum Giganteum, large  
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Dahlias, Pape & Bergman, Quedlinburg,  
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Dracenas. Bobbink & Atkins, Rutherford,  
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Over million and a half of Fern Seed-  
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 Specialist, Short Hills, N. J.

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 Aschmann, 1012 W. Ontario St., Phila.

Ferns for dishes, asst., 2½-in., \$3.50 per  
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Ferns, Whitmani, 4-in., 25c. Geo. M.  
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 per 100. Viand, Castellane, Poltevine, Jau-  
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Geraniums, Ricard, Poltevine, Nutt, R. C.,  
 \$10 per 1,000. A. M. Herr, Lancaster, Pa.

Rose scented geraniums, \$1 per 100; \$9  
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 1,000. Leucothoe sprays, \$1 per 100; \$7.50  
 per 1,000. Southern wild smilax, branch  
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Greens, evergreen, fancy and dagger ferns,  
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Hardy phlox, R. C., \$1.25 per 100. German  
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Herbaceous plants. Bobbink & Atkins,  
 Rutherford, N. J.

German iris, 50 vars., \$6 per 100. Japan  
 iris, 10 vars., \$8 per 100. Bobbink & At-  
 kins, Rutherford, N. J.

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Heliotrope, 2-in., \$2 per 100. Geo. M.  
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Heliotrope, 2-in., 1¼c. Byer Bros., Cham-  
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Heliotrope, 2½-in., \$2 per 100. Mosbaek  
 Greenhouse Co., Onarga, Ill.

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Hollyhocks, assorted, 2½-in., 3c. Mosbaek  
 Greenhouse Co., Onarga, Ill.

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Hydrangea, Arborescens Grandiflora Aloc.  
 We have the largest stock of strong 2 and  
 3-year-old plants in America, at attractive  
 prices. Inspection of stock desired. E. Y.  
 Teas, Centerville, Ind.

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Jerusalem Cherries, 2-in., \$1.50 per 100.  
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Lilacs, Jacs Smits, Naarden, Holland.

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Lily of the valley. Jacs Smits, Ltd.,  
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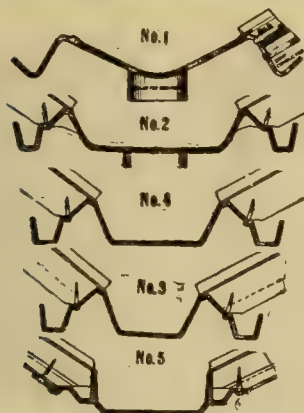
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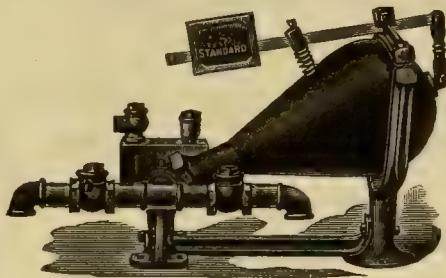
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between each. Clumps formed in this way are easily supported to one neat stake before the tall flower stems are fully developed, to prevent them being twisted about by wind, which is not convenient to accomplish when each plant is separated some distance from its neighbor, while, being massed, they present a more pleasing feature. Another point in connection with these tulips is that they flower freely in the open during May and early June, when it is yet too soon to expect much variety from the open borders, and, moreover, they travel well and last a considerable time in a cut state—Gardening Illustrated

GREEN BAY, WIS.—Carl Meier & Co. are about to erect two greenhouses on the site of the old ones on South Webster avenue, these and the office having been removed. The new office will be located elsewhere. Iron frame and truss construction will be used.

HOUSTON, TEX.—H. H. Kuhlmann has at least beaten his own record for taking care of a number of weddings in one day and probably that of many other florists. On June 18 he had 17 weddings to furnish bridal bouquets for, and at most of these he also furnished palms, ferns and other cut flowers.



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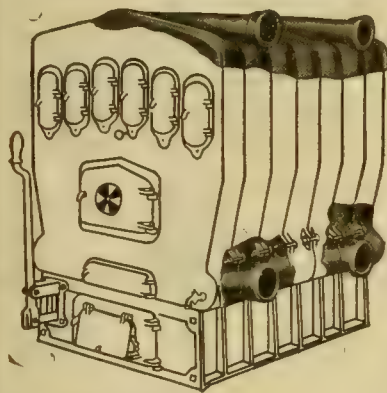


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### New Fellowships at Cornell.

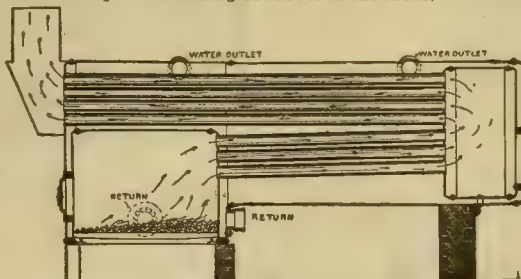
Ithaca, N. Y., June 26.—The department of plant pathology of the State College of Agriculture at Cornell University announces the establishment of two more industrial fellowships. There are now four industrial fellowships which have been established for the investigation of the diseases of plants. The two new fellowships are: The Herman Frasch fellowship, established by the Union Sulphur Co., of New York. It provides for the investigation of the use of dry sulphur as a fungicide, both to the plants and in the soil. This fellowship carries an appropriation of \$3,000 a year for four years and provides for a senior and a

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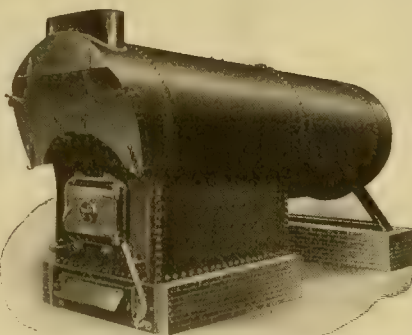
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Send for descriptive matter and prices.

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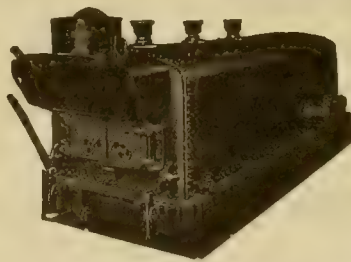
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**Eagle Machine Works**  
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Manufacturers of Ring Stakes  
for small plants.  
Richmond Carnation Supports.  
Rose and Mum Stakes.

### Indianapolis Notes.

Arrangements are being made by  
the State Florists' Association to hold a  
flower show in Tomlinson hall  
from November 8 to 12. This will  
be the first flower show in five years.  
The preliminary premium list for the  
show carries about \$2,000 in prizes,  
and it is expected that special fea-  
tures will be added, which will run  
the total far above that sum. The  
individual prizes have been made  
liberal to attract exhibitors from dis-  
tant places. One class for American  
Beauty roses alone carries \$240 in  
prizes. The board of managers for  
the show is as follows: J. S. Stuart,

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The tank is made of galvanized sheet steel, and in brass.  
The pump is of brass throughout, simple and powerful.  
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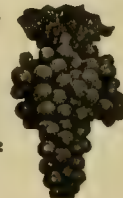
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**Y**OU can at once see that the plan of this range at New London, Conn., is a most excellent one, as each house is arranged so that one will not shade the other. The little eleven-foot connecting houses give additional compartments that are very useful for growing small lots, or for experimental work-

The center house is one big compartment for roses. The superintendent has some choice orchids in the right-hand house just back of the grapery.

The construction is iron frame throughout; the kind that has stood over two score years of test. Send for circular.

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### Pot Roses After Flowering.

Far too frequently our pot roses get neglected as soon as flowers come in from the open. At this time the main crop of flowers under glass is over, but that is no reason why the plants should not receive continued attention. In fact, neglect at this stage will certainly result in unsuitable growth for future forcing. Cut away weakly wood and let the plants be stood in a sheltered position outside, giving proper attention to watering and making sure hot sunshine does not come full upon the pots. This and drying winds are very injurious to the roots. Either half plunge the pots or place a board around the exposed outsides; the inner plants will protect one another. I notice this neglect with far too many plants after their present charm is past, and one cannot reasonably expect the after-results to be in any way satisfactory. When they are fairly ripened and have had a few weeks' rest, some may be repotted and others have their drainage overhauled. By removing a little of the surface soil, so far as can be done without injuring the roots, a very beneficial mulch of fresh compost can be applied which will be a great help to new roots later on.

By resting the plants as much as possible during the summer months we lay up better forces for late winter or very early spring roses. Most growers find that to get good roses from Christmas until the first come in again upon sheltered walls, the plants must have as much rest as possible during the hot days of summer. We find this resting takes place naturally in the Riviera, where from May until September the roses lose many of their leaves and are almost dormant. It is this condition our pot roses should be encouraged towards during the summer. Then if we prune and repot as may be necessary in October, they will come on by steady treatment and be far more amenable to winter forcing. The chief points are to keep them in steady growth until the buds have formed, after which a little more heat will be helpful and few flowers are more acceptable than a good rose in the dead of winter. Nor can we lay too much stress upon the advantage of growing those varieties that have fewer petals and, consequently, expand more freely than the double flowers, which fail even in summer if the weather is not bright and dry. Killarney, Safrano,

Sunrise, Mme. Falcot, Richmond, Betty and flowers of similar structure are the best for our purpose.—The Garden.

### Seed Corn and Burrowing Animals.

T. H. Scheffer, of the Kansas Experiment Station, has tested various treatments of seed corn to protect it from burrowing animals. He finds that kerosene, crude petroleum, copers, crude carbolic acid, fish oil, and spirits of camphor, when used in sufficient quantity or strength to impart an odor to the corn, seriously injure the germinating powers of the grain. To treat the seed with any of these substances in such small quantity or dilute form as not to injure the germ is a waste of time, for the slight taste or odor imparted is soon dissipated in contact with the soil.

Mixing pulverized gum camphor with the dry grain and storing it in a closed vessel for some days has been recommended as an efficient treatment, but it imparted little or no odor to the grain and gave only negative results in the Kansas experiments. Pine tar gave a strong odor but made the grain too sticky to work in a planter. Of the substances which gave promising results: Coal tar makes an ideal coating of a rich brown color and a persistent gassy smell. It dries nicely, is not in the least sticky, and will work well in a planter. Wet the grain with a little warm water before stirring in the tar. A teaspoonful of the latter will be sufficient for a peck of corn. The mass must be thoroughly mixed and then dried before attempting to plant. Soaking corn in strong tobacco decoction for a few hours, or simply wetting it with the liquid, seems to promise good results. Of course, the grain must be thoroughly dried before planting. It will have a strong odor and will not be sticky.

The observations of the Kansas station indicate that field mice are the chief offenders in the matter of destroying seed corn and that moles rarely or never do any damage of this kind. The bureau of biological survey of the Department of Agriculture recommends preventive rather than corrective measures in dealing with field mice. Among the measures recommended for this purpose by the survey are the following:

(1) Protection of the natural enemies of field mice, particularly owls.

most hawks, shrikes, snakes, skunks, badgers, and most species of weasels.

(2) Elimination of the breeding grounds of field mice by draining swamps and cleaning waste places that afford the animals harborage.

(3) Periodic plowing of grass and other lands for the rotation of crops.

(4) Clean cultivation of corn and all other crops, and especially of orchards and nurseries.

(5) Clean mowing of grass lands and permanent meadows, so that no old grass is left over winter.

(6) Careful burning about orchards and gardens of weeds, trash, and litter of all kinds that may serve the animals for winter shelter.

(7) When necessary, the burning of dead grass in meadows and pastures. This, however, should not be delayed till late spring, when ground birds are nesting.

Alfalfa or crushed wheat poisoned with strychnin have also been successfully used by the survey in destroying the mice. The details of the methods employed are given in the Yearbook of the Department of Agriculture, for 1908, page 431.—Experiment Station Work.

### Nut Notes.

Through the southern states no fruit or nut tree is better adapted for general planting or more worthy of careful cultivation than the pecan. It is to the south what the apple is to the north—worthy of a place in every fruit-garden, on every lawn, and the most important tree from the standpoint of the orchardist. The pecan fits well into the general farming of the regions to which it is adapted. It must be planted farther apart than other fruit trees, leaving ample space for the cultivation of general farm crops. These crops may be grown advantageously, with benefit to the trees, and will more than cover the cost of maintenance, until the latter commence to bear.

Not till within recent years were the arts of budding and grafting common pecan trees with the finer sorts, worked down to the point of practical utility. Years of patient experiment were required and other years of watching and waiting. The degree of success that has been attained furnishes ground for a just pride, if not a pardonable vanity, on the part of the pioneers in the new industry.



*green Flies and  
Black ones too*

are easy to kill with

**The fumigating Kind Tobacco Powder**

\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back;  
why try cheap substitutes that makers do  
not dare to guarantee?

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and insure your glass before it is broken.

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Carnations, Dahlias, Golden Glow, Peonies  
Chrysanthemums and Tomatoes,

63-71 Metropolitan Ave. **BROOKLYN, N. Y.**  
Mention the American Florist when writing

Traveling Ferns.

Among the fern lovers' most delightful experiences is always numbered his first sight of the curious little walking fern. The ordinary observer, used to our common ferns, would never think of classing the long tapering, entire fronds of this species with the others, but the botanist is always on the lookout for it. Its rarity, too, adds to the charm of finding it, for the plant rather prefers calcareous rocks and is not to be found in every locality. On damp, shaded, limestone rocks, however, it is fairly common, often covering the slopes of mossy ledges. Like most ferns it bears numerous spores, but the plant does not depend upon spores alone for its propagation. The slender tips of the fronds bend over, touch the ground, take root and the walking fern has taken another step and also produced a new plant. In consequence of this fact, the walking fern is justly celebrated, but it is not the only fern that seems to have a suspicion that spores cannot always be depended upon and has adopted other ways of getting on in the world. The process of producing ferns from the spores is a long and tedious one and several ferns have found a quicker way.

That lusty giant the ostrich fern (*Struthiopteris Germanica*) sends out long subterranean stolons that come up at some distance from the parent plant and produce new ferns to continue the race. Still another method has been adopted by the bladder fern (*Cystopteris bulbifera*). Instead of either rooting fronds or stolons, (which may be considered only another form of rooting frond) this fern bears small bulbils on the under side of the pinnae. These finally drop to the ground and a new fern is the result. That the bladder ferns' method is capable of being improved upon is shown by an exotic fern rather common in cultivation. This has gone a step further and produces a row of small ferns on the rachis of each frond. In the course of time the fronds become prostrate and each row of ferns is ready to set up in business for itself.

There is another class of ferns that multiply by division. This is a division not of the crown or

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INSECTICIDE AND FUNGICIDE

For the Garden, Orchard and Greenhouse

Non-poisonous and harmless  
to vegetation.

Kills Green Fly, Aphides, Bark Lice,  
Thrips Mealy Bug, Red Spider,  
Scale, Wire Worms, Ants  
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This is the grower's Friend. Handy to  
use, cheap and effective, mixes readily in  
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## Greenhouse Construction.

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A complete treatise on greenhouse structure and arrangements of the various forms and styles of plant houses, for professional florists as well as amateurs. All the best and most improved structures are clearly described. The modern and most successful methods of heating and ventilating are fully treated upon. Special chapters are devoted to houses used for the growing of one kind of plants exclusively. The construction of hotbeds and frames receives appropriate attention. Over 100 excellent illustrations. 210 pages. 5x7 inches. Cloth \$1.50.

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Never Rust  
GLAZING POINTS

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glass slipping. Effective on large or small glass.  
Easy to drive. Easy to extract. Two sizes  $\frac{3}{4}$  and  
 $\frac{1}{2}$ . 40c per lb., by mail 16c extra; 7 lbs. for \$2.50  
15 lbs. for \$5.00, by express. For sale by the trade.

**RANDOLPH & McCLEMENTS, Successors to**  
Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

fronds but of the underground rootstock or rhizome. All these are great travellers but not after the manner of the walking fern. A good example of this class is the brake or bracken (*Pteris aquilina*) whose slender rhizome dodges under roots and stones to send up a new fern, perhaps 60 feet away. Here and there the rhizome branches and the new ferns spring up in all directions. In much the same way the sensitive fern (*Onoclea sensibilis*) progresses except that it grows slower and the rootstock is nearer the surface. The branching rhizomes of the common polypody (*Polypodium vulgare*) creep along on the surface and as befits a fern whose fronds survive the winter, are clothed with rusty scales. Shirley Hibberd writes in the "Fern Garden" concerning this fern "You may cut or pull to pieces this tuft almost ad lib., provided each separate portion has its own roots reserved to it." Each piece will form a new fern. The common maidenhair (*Adiantum pedatum*) grows in the same way. Plant a single frond with its bit of rootstock in the spring and before summer has passed it will increase to a dozen or more. It is generally true that those

# APHINE

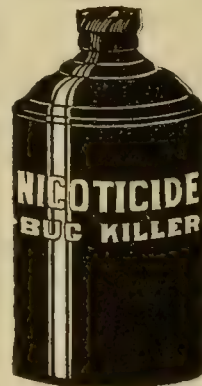
Destroys Green, Black and White Fly, Red Spider, Thrips, Mealy Bug and Scale.

It invigorates plant life and can be applied to the tenderest flowers and foliage.

\$2.50 per gal.; \$1.00 per qt.

Buy from your seedsman, or will send you a sample can with sufficient for a thorough trial (postage prepaid) on receipt of 40c.

**Aphine Manufacturing Co.**  
MADISON, N. J.



THE BEST  
Bug Killer and  
Bloom Saver

For PROOF  
Write to

**P. R. PALETHORPE  
COMPANY,**

Owensboro, Ky.

**MASTICA**  
FOR Greenhouse Glazing  
**USE IT NOW.**  
**F.O. PIERCE CO.**  
12 W. BROADWAY  
NEW YORK

**MASTICA** is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass, as occurs with putty. **Lasts longer than putty.** Easy to apply.

plants which produce a circle of fronds from a central crown do not move about; the wanderers are for the most part those species that send down roots, push the rhizomes outward and send up fronds at intervals all summer.—*Fern Bulletin*. (Reprinted from *Linnaean Fern Bulletin* No. 1, pages 9-11.)

### The Peony's High Position.

The peony has always held a high position among plants. Even in China, its original home, where it is patronized by the emperor himself, its price was at one time so high that it was known by the name of "one hundred ounces of gold." Subsequently the ceilings, the wainscots, vases, and furniture of the Chinese were decorated with this plant. The Chinese prefer the self-colored varieties and train them in the espalier form, so that every bloom may be brought to the front to show the fullest effect of its brilliancy.—*Washington Times*.



# THE AMERICAN FLORIST



*America is "the Frow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas.*

Vol. XXXIV.

CHICAGO AND NEW YORK, JULY 16, 1910.

No. 1154

## THE AMERICAN FLORIST

TWENTY-FIFTH YEAR.

Copyright, 1910, by American Florist Company.  
Entered as Second-Class Matter Nov. 11, 1891,  
at the Post Office at Chicago, Illinois,  
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY  
**AMERICAN FLORIST COMPANY,**  
324 Dearborn St., Chicago,  
Long Distance Phone: Harrison 7465.

Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a  
year; Canada, \$2.00; Europe and Countries  
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accepted only from the trade. Vol-  
umes half yearly from August, 1901.

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meeting at Rochester, N. Y., August 16-19, 1910.  
Second National Flower Show, Boston, Mass.,  
March 18-25, 1911.

### CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition, in conjunc-  
tion with the Morris County Gardeners' and  
Florists' Society, Morristown, N. J., November  
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ton, March 1911. WM. H. ELLIOTT, Brighton,  
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Vice President; BENJAMIN HAMMOND, Fishkill-  
on-Hudson, N. Y., Secretary.

**Turn Your Surplus  
Stocks Into Cash  
By Advertising in the  
Ready Reference  
Department.  
See Page 1219.**

## HALF HOUR CHAPTERS FOR FLOWER GROWERS

### Stevia.

Any small plants of stevia still out of boxes or their flowering pots should have attention right away and be placed outside in the full sun to finish their growth. A convenient method of culture is to put about 10 plants in a deep flat about the same length as the width of a bench and about 15 inches wide. They are not too heavy to handle easily and no room is wasted on the benches. Just now the principal cultural details needing attention are stopping the shoots to induce a good bushy habit and keeping the roots well supplied with water. The newly flatted or potted plants may be lightly shaded, but for a few days only until they become re-established. A little later, when all are well rooted and the roots are hugging the sides of the flats a little rough littery manure or straw placed between the boxes will be an advantage in keeping the sun from drying them out too rapidly. Early in the fall, before there is any danger of frost, the plants should be placed in quite a cool house or shed as the stevia is more easily injured by frost than most plants. If this is not convenient something must be rigged up to protect them in the open from the light frosts that frequently occur in early fall.

### Lily of the Valley.

Although with the end of June the principal demand for lily of the valley drops off for a time there is always some call and those who grow for their own retail trade will know pretty nearly how much to plant in order to keep their customers going. From this time on no bottom heat is required and the "valley" will be ready to cut in about 20 days from time of planting. As less room is needed the present is a good time to carry out any repairs that may be necessary to the frames and covers, renew the sand or make any alterations that may be necessary to the heating arrangements. In place of the large, heavy shutters that were formerly used to keep out the light from the frames for this plant we have of late used plain cypress boards

cut just long enough to take the width of the frames and about six inches wide by one thick, the same lumber in fact that is used for benches. Not only is it lighter and more convenient to handle but by its use we can cover or uncover just so much of a frame as we need and this in itself is a great convenience. The watering has to be carried out with considerable care now there is no heat below as should a very heavy watering be given to stock nearly ready to cut and a few dull days occur there is some danger of damping.

### Asters.

Where there are no means of irrigation the asters are cutting rather a poor figure in the middle west owing to the extreme heat and drought. Careful growers are keeping the cultivation well in hand and this leaves an inch or so of dry dusty soil on the surface thus preventing the escape of what little moisture there is in the subsoil. But even with the best care the plants are suffering while those growers who leave their soil to crack open, thus allowing the moisture to escape, may as well make up their minds that their plants will be practically useless. Where there are means of irrigating a thorough soaking should be given at night after the sun goes down, this replenishing the wasted energies of the plants and refreshing them greatly. Disbudding must be kept going regularly to prevent any waste of the energies of the plants in producing useless shoots and flowers.

### Carnations.

This is a busy time for the carnation grower who has a lot of stock to handle and he has to bend all his energies to the work. The heat under glass is trying to the help and it needs the watchful eye of the chief everywhere. The old plants have practically finished their work and, with the arrival of asters and early chrysanthemums on the markets, the price that poor carnations bring at this time is hardly worth considering and it is best to cut them out and get the benches repaired and filled with new soil. If



there are still some plants in pots they should be planted out without delay and any soil chopping and mixing not yet finished must be brought up to date without delay. As to the effect of lifting plants from the field in dry weather this depends greatly upon the condition and the nature of the soil. On fine, dusty soils that do not hang together the lifting can be done at any time, the only care needed being to water thoroughly immediately the stock is planted. But in soils that bake up into lumps it will be necessary to wait for rain for it is often impossible to get a reasonably good clump of soil without some large chunks falling off and breaking the roots. A light shade, caused by spraying lime wash over the glass, is necessary in all houses where stock is newly planted and it is just as well to put it on at once as it makes the houses a little cooler to work in during the operations of removing the old soil and plants and refilling the benches.

#### American Beauty Roses.

It is pretty well agreed now among the best growers that the constant heavy spraying that was formerly thought necessary for American Beauty roses in summer is not only unnecessary but harmful. It softens the growth, rendering it more liable to be attacked by black spot in the fall; nor does it hold its foliage so well in winter. When stock is newly planted and the weather is hot the plants need the little assistance that spraying affords until they get established, but stock planted in May and now growing freely will get along quite well with one good spraying in the morning. Plants that are flowering will be benefited now by a good layer of rich manure to keep them going and it is hardly possible to over-water this stock at the root. Other plants, cut back and replanted, should have a good soaking occasionally and have the heads sprayed regularly to induce a good break of the young shoots, this being followed with heavier waterings as the roots obtain a hold of the new soil. Benches that were planted last year and have now about finished flowering should be dried off for a couple of weeks preparatory to being cut hard back and started up again. The loose surface soil should be removed after pruning and replaced with a topdressing of good rich soil, first watering the old soil thoroughly as it is sometimes difficult to get the moisture down to the roots without at the same time rendering the top soil too moist.

#### Pyrethrums.

Where the first flowers of *Pyrethrum roseum* and its varieties were not all cut do not let them go to seed but cut the stems and allow the plants to grow freely. A good mulch of semi-decayed manure or waterings with liquid manure will be helpful and probably another crop of flowers will be produced in late summer. The young stock raised from seed this spring should now be good plants fit to go into their permanent places in the beds or borders where they will probably flower a little this fall and make elegant stock for flowering next year.

## THE RETAIL TRADE

THE retail store must not be allowed to degenerate into a lounging place but should be kept cool and the comfort of customers must be considered.

SWEET PEAS and *Gypsophila paniculata* form an elegant combination either in table decorations, wreaths or any other work where lightness is required.

CORNFLOWERS and yellow California poppies or the pretty *Dimorphotheca aurantiaca* which is now grown considerably for cutting go well together and are charming if associated with water lilies.

#### Basket of Gladioli and Roses.

SEE SUPPLEMENT WITH THIS ISSUE.

Gladioli and pink roses form a delightful combination for baskets at this time of year when both can be had in plenty. The somewhat stiff stems of the gladioli are relieved by the grace of the roses and if the color of the gladioli is well chosen there is nothing to clash. Baskets of flowers are becoming increasingly popular for presents for birthday and other occasions and retailers will do well to have one or two made up for display in their windows. They cost little to

produce and sell at a price that shows good profit, provided they are gracefully and prettily arranged. There is such a variety of stock from outdoors at this season that the flowers in the baskets can be changed from day to day, using say Japanese irises as the principal flower one day, American Beauty roses the next, delphiniums another, lilies, water lilies or some other stock on other days and such displays, if they do nothing else, are bound to attract attention to the store and in this way prove an excellent advertisement.

#### With the Chicago Retailers.

After the glorious Fourth everyone expects a quiet time and this year is no exception to the rule for things are certainly dull just now with the Chicago retailers. But it may be safely said that trade has kept up better and retailers have been enabled to make better profits on their work this season than for many years past and we hear very few complaints. Of course there is the retailer who directly the hot weather starts in leaves his windows untidy and short of stock fearful of losing a few flowers and driving away what little trade of a transient character could be interested. Others, on the other hand, when stock is cheap, buy liberally and make a show in



VASE OF CHOICE WATER LILIES.

Arranged By John Mangel, Chicago.





BASKET OF GLADIOLI AND KILLARNEY ROSES.







their windows that at least lets people know they are doing business and these reap the benefit every time.

August Lange always makes a good show with moderate priced stock and gives his customers the benefit of it, consequently, go into his store when you will, the help is always busy. He may not get very big prices for all the stock sold but he gets a big turn-over, and when the good work comes along he is just as well able to take care of it as anyone. A look over his stock during the end of the week disclosed fine showings of sweet peas—the whites especially good—Japanese irises in all colors and whites, fine bunches of *Achillea ptarmica*, The Pearl, corn-flowers, orchids and many other sundries besides good stock of the usual varieties of roses, carnations and other standard kinds. Vacations are in order at the store among the help, six being away now and others to go. Mr. Lange leaves himself July 18 for Mt. Clemens, Mich., where he intends to rest up for about three weeks.

John Mangel is another spirited buyer and his store windows and ice boxes are always replete with good stock in plenty. At the end of the week the Wabash avenue windows were finely arranged with fancy leaved caladiums and cut flowers in great variety, including Japanese irises, Easter lilies; gaillardias and sweet peas. The Monroe street window has for the last three or four weeks been a great attraction to the public, people thronging the sidewalk at all times to view the delightfully cool looking arrangements of water lilies and ferns, constantly varied, yet always attractive. Mr. Mangel is certainly deserving of all the trade that comes his way for he lays himself out to catch the public and works hard at it at all times.

Canger & Gormley have had a most attractive window of late, white water lilies in a small pond surrounded with ferns and bunches of cornflowers and coreopsis, the yellow, blue and white making a beautiful combination. Good gladioli, Shasta daisies and other choice flowers are also shown. They have been extremely busy during June with weddings and have several others ordered for the near future. J. J. Gormley is taking a two weeks' vacation, spending his time principally in short trips out of the city. Lubliner & Trinz say that trade has kept up well right along. Last season they rented one of their windows for the summer months but this year they intend keeping both for flowers as the trade is keeping up so well for the season. Elegant sweet peas, Shasta daisies and carnations are among the principal offerings. The Fleischman Floral Co. reports an elegant season's business, the run in wedding and funeral work being remarkable. It has slowed down considerably now, of course, but there are still good orders coming and a lot of stock being handled. Good cattleyas, water lilies, marigolds, sweet sultan and sweet peas are among the offerings in small flowers here with always a good demand for Beauties and other choice rose stock.

On the south side C. A. Samuelson at Twenty-second and Michigan avenue has a remarkably fine window. It is so simple that a description of it does not amount to much or give a

good idea of how successful it is but it is in the pretty blending of the plants and their tasteful arrangement that the chief charm lies. Fancy leaved caladiums and various ferns and other foliage plants in baskets with spikes of gladioli here and there is a bald description of it only, but it would be difficult to say what a delightfully cool and charming effect the decorator has got out of this simple material. It is exceptionally good as is the cut flower stock handled and Mr. Samuelson reports a fine season's business. W. J. Smyth at Thirty-first street and Michigan avenue has been very busy of late with wedding and funeral work and has several good wedding orders in hand for the near future. The stock shown comprises elegant gladioli, peonies and other seasonable flowers besides a number of the pretty baskets for which Mr. Smyth is justly noted. He is staying at Antioch, Ill., at his summer home, but comes to the city on Saturdays. Altogether the trade shows a healthy tone for the season and our only reason for not mentioning several other prominent firms is lack of space and time to call. The above gives a very good general idea as to how things are going.

#### An Excellent Bowl Arrangement.

Take a good-sized bowl, place a smaller one inside of this and in this place a finger bowl, and in this a glass filled with water and arrange into them daisies of different lengths. The showy *Phlox Drummondii* is good with these, and with this can be combined gaillardia, coreopsis and calendula, which combine effectively where yellow is desired. Gaillardias with their deep red centers show to good advantage combined with deep red flowers. Red and yellow well combined make a beautiful effect. Flowers should always be arranged as much as possible as they are in nature, dainty flowers in a delicate way and the more solid ones in masses. Where a very fancy dish is to be utilized orchids look best and are the most appropriate.

A. E. KLUNDER.

#### Suggestions for Long Stemmed Flowers.

Bohemian cut glass makes the best receptacle where quality is to be taken into consideration. The tall slender green or white vases which look like huge morning glory blossoms are beautiful as well as most appropriate. These filled with poppies and fancy grass for a centerpiece for the dinner table with a mat underneath made of scarlet geraniums and edged with the grass make a striking setting. Only a few large poppies should be used in the tall vase so that the effect may be light and delicate; as the poppy is a fairy-like flower the spirit of the flower should be carried in the arrangement. Then at intervals of six—take this number of glasses, the slender lemonade glass would do—fill with poppies and enough geraniums at the base to cover the glass. The darkest and highest poppies should be in the center. The above could be used to good advantage for a window setting of much attraction using a small dining table and making the table cover of galax leaves sewed on green bunting.

A. E. KLUNDER.

## WITH THE GROWERS

Poehlmann Bros. Co., Morton Grove, Ill.

July 8, and the hottest day of the year so far at that, was not perhaps the best time to visit the Poehlmann Bros. Co.'s great ranges at Morton Grove, Ill., but there are always plenty of interesting things to see at this immense place and the present time is no exception. To say it was hot under the glass on that day hardly meets the case though there is no denying the fact that the outside air of Morton Grove seemed mighty good after a two-hours' promenade through, partly under the guidance of the genial August. The carnation range being nearest we went there first and it is surprising how well the flowers are keeping up. White Perfection is certainly the star performer. The glass in the carnation range is slightly shaded and consequently the houses were not quite as hot as some others we visited. The Perfections are there in thousands, elegant flowers, for the time of year while Winsor and other pinks, though not standing the heat quite so well, were still fair bloomers. Beacon showed up fairly well but, of course, the carnations are practically over for this season and the principal interest now centers in the young stock. Quite a lot of this has already been planted and is looking well, the plants sturdy and clean with no sign of disease or any other trouble.

Chrysanthemum planting is going on rapidly still, though there are many benches of early varieties that will soon be ready, Golden Glow was showing color and the flowers looked as though about another 10 days would bring them ready for market. Timothy Eaton, Yellow Eaton, Bonaffon and other mid-season kinds are in elegant shape, the growth being clean and strong and it looks as though the Poehlmann reputation was in a fair way of being kept up this season. The later varieties are practically all planted up and all look well.

The houses of American Beauty roses in Plant A are full of interest to the growers. There are benches in quantity that have been flowering all winter and yet producing fine flowers. These had a short rest early in the season and were cut back, starting up again directly. They are now being fed with a liberal mulch of well prepared cow manure which will keep them moving for some time to come. Other plants set out early this year are flowering well, fine buds on stiff stems with elegant foliage being taken. Stock planted in May has made an excellent start and has fine strong foliage and long canes already. This stock is now well established and is taking lots of water at the root, but little spraying is done. The plants are exposed to the full sun and so get well hardened and ripened, producing fine flowers of great substance later. Then some other houses are planted to stock that has been lifted and cut back. There is no foliage to speak of on this as yet but the plants are breaking finely and will doubtless give a good account of themselves later.

The orchid houses are beginning to be very interesting, the earlier purchased plants having become well established. About 14,000 cattleyas are



now in the collection and Messrs. Poehlmann have a collector working in Venezuela looking up good commercial varieties. Besides this 65 new cases are due to arrive any time. There are thousands of newly imported plants ready to pot and the houses are being made ready to receive them. Eventually a large section will be devoted entirely to cattleyas. Just now there is not much in flower, *C. gigas* being the principal with a few *C. Trianae* and *C. Percivaliana* flowering out of season as newly imported plants frequently do. It is a pleasure to an orchid grower to see these plants and note how well they are taking hold, the fine new roots and young growths being just of the kind that promise plenty of flowers in due season. Like everything else taken up at this place, the orchid end is being handled with spirit and an experienced grower has been employed to look after them.

In Plant B tea roses are grown exclusively and to see the wonderful new growths and fine flowers from young stock planted this season is a revelation. Bench after bench and house after house of Killarney, White Killarney, Richmond, My Maryland and Perle are there, also a good number of Cardinal which has been found even more useful than Richmond. An interesting sight just now is the original plantings of My Maryland. These are now in their third year but are in splendid condition, throwing up great canes with healthy foliage and flowers that would do credit to a grower in March or April. Bride and Bridesmaid have been cut out altogether, White Killarney and Killarney being planted in their stead. Adolph Poehlmann, who manages this great range, is to be congratulated warmly on the excellent condition of the whole of his great charge.

The recent additions to Plant B consist of eight roofed houses, each 175x27 feet and thirteen 350x27, the last four of which are now nearing completion. The young stock in the earlier finished houses is fine in every way. At Plant A 13 new houses 27x250 feet have been built, nine of them last year, the remaining four this season, making a large and compact range of glass at the far end of the plant. A new truss arrangement, the invention of the firm's engineer, is being tried out on several of the new houses and looks promising. This great increase in the range of the plant has led, of course, to a bigger output and the year ending with June has shown an increase of 42 per cent in sales over that of last year. This seems almost incredible but is very readily understood when the fact is taken into consideration that the greenhouses have been increased nearly one-third. A new well has been bored which is giving 1,500,000 gallons of water per day. August Poehlmann thinks very highly of the Wittbold cement bench. In fact he thinks it is the only one to use and is loud in its praises. It is only a question of time before all the houses here will be equipped with benches made from the Wittbold patterns.

A word is in order here as to the way the cut flowers are handled which probably accounts for the excellent manner in which the stock arrives at

the store. The flowers are cut twice daily and are placed in the cooling rooms for about four hours, just long enough for them to lose the greenhouse heat. They are then packed expeditiously and shipped by express to the store where they arrive in the very best possible condition. Here John Poehlmann takes hold, and any long distance shipments that have to be made are packed at once and leave by the quickest route, insuring their arrival in good shape even in the hottest weather. The wonderful growth of this business is a great tribute to the skill and energy of the Poehlmann brothers, one and all, and shows what great things can be done when the facilities for doing business are there and plenty of the right kind of help to keep things moving.



W. Atlee Burpee.

President National Sweet Pea Society.

#### Disbudding Asters.

ED. AMERICAN FLORIST:

Please give me a few pointers on disbudding early and late varieties of asters.

SUBSCRIBER.

When the plants are 8 to 12 inches high they will show signs of making side shoots or lateral growths as they are usually termed. At this stage of growth the top of the main stem is surmounted with a bud, which should be pinched out and thus hasten the lateral growths. When these laterals are 10 to 12 inches long and the buds begin to form, remove all except five to eight of the strongest, considering the vigor of the plant and the variety being treated in deciding how many to retain. The quality of the flowers will be greatly improved by this course; not only will they be more double but will be longer and stronger stemmed.

ELMER D. SMITH.

MARBLEHEAD, MASS.—The business in Atlantic avenue which has been conducted by L. H. Hayden is now incorporated under the name of the Devreux Incorporated Greenhouses. Mr. Hayden is president of the concern and Roger Upton is treasurer.

#### National Sweet Pea Society.

SECOND ANNUAL EXHIBITION

The second annual exhibition of the National Sweet Pea Society of America opened June 12 at the St. Nicholas rink, Sixty-ninth street and Columbus avenue, New York, and was continued the following day. The extremely hot weather and drought it was feared would prevent anything like a satisfactory show but, although the stocks were injured to some extent, it was far better than could have been anticipated and the show opened with a large number of excellent exhibits tastefully arranged. Some of the exhibits were really first class and all were very creditable. Great interest has been shown and continues to be shown in the society and its exhibition.

#### BUSINESS MEETING.

President Turner called the business meeting to order at 8 p. m. and delivered the opening address, which was well received by the small number of enthusiasts in attendance. Rev. W. T. Hutchins then read a very instructive paper and, in the absence of Prof. John Craig, President Turner read his paper on "Sweet Pea Experiments at Cornell." Another paper on the "Results of the Sweet Pea Trials at Cornell" was presented by Prof. Beal. A. T. Boddington spoke of the need of increased membership and funds. The Doubleday, Page Co. offered the use of auxiliary trial grounds at Hempstead, Long Island. Votes of thanks were tendered the essayists. In the election of officers W. Atlee Burpee was chosen president, Wm. Sim, vice-president; A. T. Boddington, treasurer, and H. A. Bunyard, secretary. John Farquhar and Harry Turner were elected members of the executive board. It was resolved that the next exhibition of the society be held at Boston March, 1911, in connection with the National Flower Show, when the time and place of the summer show will be decided upon.

The visitors included G. W. Kerr, Philadelphia, Pa.; Wm. Sim, Cliftondale, Mass.; Prof. John Craig, Ithaca, N. Y.; Prof. A. C. Beal, Ithaca, N. Y.; Edwin Lewis, Taunton, Mass.; Victor May, Groton, Conn.; George Clark, Philadelphia, Pa.; John Hay, Philadelphia, Pa.; Geo. Watson, Philadelphia, Pa.; Rev. W. T. Hutchins, B. H. Tracy, Wenham, Mass.

#### AWARDS.

President Harry Turner's cup, value \$25, for the best 25 vases of sweet peas in 25 varieties—Mrs. G. D. Layng, Mt. Kisco, N. Y., first.

The W. Atlee Burpee cup, for the finest and largest collection of sweet peas—Howard Gould, Castle Howard, Harry Turner, gardener, first.

The W. Atlee Burpee prize, for the best vase of waved or Spencer type sweet peas introduced 1910—Morton F. Plant, first; Seth Low, Bedford, N. Y., second.

Arthur T. Boddington prize, a silver challenge cup, value \$50, for a collection of sweet peas, 25 varieties, not less than 25 stems to a vase, to be shown with sweet pea foliage only. To be won twice by the same exhibitor. (Arthur T. Boddington also awards to the winner of this cup, each time won, a cash prize of \$25, also \$15 second prize and \$10 third prize.)—Seth Low, first; Howard Gould, second; S. Untermyer, Yonkers, N. Y., Alex. McKenzie, gardener, third.





Countess Spencer.  
Pale Pink With Deeper Edges.



Dainty.  
White, Pink Picotee Edge.



Florence Morse Spencer.  
Delicate Blush, Pink Margin.



Romolo Piazzani.  
Violet Blue Self.



Agnes Johnston.  
Rose Pink, Shaded Cream.



Midnight.  
Deep Purple Maroon, Almost Black.



Prince Olaf.  
White Marbled Pure Blue.



White Spencer.  
White.



Marquis Spencer.  
Rosy Heliotrope.

MODERN SWEET PEAS ABOUT ONE-HALF NATURAL SIZE.



Rawson's silver medal, for the best 20 spikes of sweet peas, Rawson's Snowflake—Morton F. Plant, first.

Rawson's bronze medal, for the best three vases comprising white, lavender and pink; open to amateurs only—Mrs. John D. Wing, Millbrook, N. Y., first.

Henry A. Dreer prize, for the best 21 vases of sweet peas, the 21 incomparable standard varieties as enumerated in Dreer's Garden Book for 1910—

F. R. Pierson Co.'s prize, for the best 12 vases of sweet peas, in 12 varieties—Morton F. Plant, first; Mrs. John Magee, Mt. Kisco, N. Y., second.

The Aphine Manufacturing Co.'s prize, for the best collection of sweet peas, open to florists only—Winkles Bros., Hackensack, N. J., first.

The Anton Zvolanek prize, for the best 10 vases of Spencer and Unwin types, in 10 varieties—Seth Low, first.

The Mrs. Lea McIlvaine Luquer prize, for the best vase of crimson or scarlet sweet peas, one variety only—Morton F. Plant, first; Rand H. Scoville, second; Seth Low, third.

The Frank H. Traendly prize, for the best vase of lavender sweet peas, one variety only—Morton F. Plant, first; Seth Low, second; Mrs. C. D. McDougall, third.

The Burnett Bros. prize, for the best vase of blue sweet peas, one variety only—Rand H. Scoville, first; S. M. Goldsmith, second; Morton F. Plant, third.

The Harry A. Bunyard prize, for the best vase of vari-colored sweet peas—Seth Low, first; Morton F. Plant, second; Rand H. Scoville, third.

Henry A. Dreer, Inc., Philadelphia, arranged a fine exhibit of water lilies and lotus. Julius Roehrs Co., Rutherford, N. J., and Joseph A. Manda, Orange, N. J., had fine exhibits of orchids and John Lewis Childs, Floral Park, N. Y., showed dandelions.

The Palisades Nurseries, Sparkhill, N. Y., contributed a fine collection of herbaceous perennials. Cornell University Experiment Station exhibited an extensive collection of sweet peas.

The judges were: G. W. Kerr, Philadelphia, Pa.; Wm. Sim, Cliftondale, Mass.; Prof. A. C. Beal, Ithaca, N. Y., and Rev. W. T. Hutchins.

WATERTOWN, MASS.—The horse and wagon of Mansfield, the florist, driven by a young woman, was run into by an electric car on Washington street, July 8. The wagon was badly damaged, but the driver, who was thrown to the ground, escaped uninjured.

WASHINGTON, D. C.—Plans were discussed for the annual flower show to be held early in November by the Florists' Club at a meeting, July 5, at W. F. Gude's, 1214 F Street, northwest. A committee was appointed to make arrangements for the trip to Rochester, N. Y., in August. A committee was also appointed to make the necessary arrangements for the annual outing, which will be held in the near future. Following the business meeting the members adjourned to the basement of the building, which had been arranged as a grotto for the occasion. Refreshments were served and the members enjoyed themselves until a late hour.



THE MODERN SWEET PEA.—(About Half Natural Size).

Countess Cadogan.  
Clear Violet, Wings Light Blue.

Mrs. Dugdale.  
Rose, Shaded Primrose.

Mrs. G. D. Layng, first; Seth Low, second.

Jerome B. Rice Seed Co.'s prize, for the best vase of white sweet peas.—Rand H. Scoville, Chapinville, Conn., first; S. Untermeyer, second; Mrs. C. D. McDougall, Auburn, N. Y., third.

The Peter Henderson & Co.'s prize of \$10 in gold, to be awarded the amateur exhibitor of the best and most distinct collection of 25 varieties of sweet peas, including not less than six of the Spencer type. The number of sprays to each variety to accord with the society's rules—Mrs. J. D. Wing, first.

The Henry F. Michell Co.'s prize, for the best three vases of sweet peas (one vase of each variety), Frank Dolby, White Spencer, Mrs. Alfred Watkins—Seth Low, first.

The C. C. Morse & Co.'s prize, a silver cup, value \$25, for the finest collection of sweet peas (open to the trade only)—A. T. Boddington, New York, first.

Watkins & Simpson's prize, for the best vase of Nora Unwin, Frank Dolby, Mrs. A. Watkins, A. J. Cook, E. J. Castle—Morton F. Plant, first.

Stumpp & Walter prize, for the best three vases of sweet peas, Spencer type—Rand H. Scoville, first; Morton F. Plant, second; Seth Low, third.

The J. M. Thorburn Co.'s prize, for the best vase of pink sweet peas, one variety only—Morton F. Plant, first; Mrs. G. D. Layng, second; S. M. Goldsmith, third.

The John Lewis Childs prize, for the best vase of white sweet peas, one variety only—Rand H. Scoville, first; Morton F. Plant, second; Mrs. C. D. McDougall, third.

The Sutton & Sons prize (Reading, Eng.), cup value \$25, for the best table of sweet peas to be arranged on a space four by three feet and not to exceed three feet in height—Col. F. Mason, first.

The John Young prize, for the best vase of sweet peas never before exhibited, one variety only—Rand H. Scoville, second.

The Florists' Exchange prize, for best vase Countess Spencer—Morton F. Plant, first; Rand H. Scoville, second.

The A. L. Miller prize, for the finest bunch of mixed sweet peas. This vase may contain as many sprays as the exhibitor desires, and sweet pea or other foliage may be used—Rand H. Scoville, first.



THE MODERN SWEET PEA.—(About Half Natural Size).

Duke of Westminster.  
Rosy Maroon, Overlaid with Violet.

Othello.  
Rich. Deep Maroon.





NELUMBIUMS AT TWIN OAKS, WASHINGTON, D. C.

## WATER GARDENS.

### A Quarter Century of Aquatics.

BY WILLIAM TRICKER.



What have we gained — what advancement have we made in aquaculture during the past 25 years? In the daily rush and anticipation of each recurring season our minds are set

on the prospective and no sooner one arrives than we anticipate the next, ever onward, ever forward, and a retrospect or a review of only a season or two is the most we can afford. But here is a land-mark, another mile stone, and we must stop and take notice.

As we review the past 25 years in horticulture we find advancement in all lines, in some probably more than in others; some particular branches have been benefited by special societies, notably the carnation, chrysanthemum, rose, dahlia, etc., but these specialties have been supported and advanced by commercial men with a commercial end in view. They are florists' flowers and do not appeal to the amateur or general grower as a garden flower or decorative plant. Aquaculture has had no such stimulus; although receiving the support of horticultural societies, etc., its ad-

vancement has been solely on its own merits and private enterprise. About 30 years ago, efforts were made to grow *Nelumbium speciosum*, (roots were received by Isaac Buchanan from Japan prior to this but were lost) and Samuel Henshaw of west New Brighton, Staten Island, raised some plants from seed received from Japan, which, at a recent date, were still flourishing. About the same time E. D. Sturtevant of Bordentown, N. J., reintroduced the same plant, this time from Paris, where it was established in the Jardin des Plantes. It proved hardy in New Jersey and grew as vigorous as *N. luteum*. This, with the introduction of a few tender nymphæas, brought aquatics to the front.

#### AMATEUR CULTIVATORS.

A few amateurs launched into water gardening and 25 years ago N. T. Simpkins of Yarmouthport, Mass., entered the field, followed by Dr. Henry Faunce and others. W. H. Chadwick of Chicago grew aquatics which undoubtedly led to the introduction of these plants into Lincoln park, Chicago, in 1888 under the able management of Superintendent J. A. Pettigrew. John N. Gerard of Elizabeth, N. J., did much to push the new venture by growing some plants and rendering valuable information through the columns of the Garden and Forest. S. C. Nash of Clifton, N. J., established the largest and best water-garden in the eastern states. In 1886 aquatics

were established in Central park, New York, and became famous for its grand massing of *Nelumbium speciosum* but its glory has departed. No nelumbiums are now to be found in any of the smaller parks and only second-rate ones in Prospect park and two or three fountain basins. Other noted parks in different sections of the country took up aquaculture and James Gurney of St. Louis, Wm. Dogue of Boston, Wm. Hamilton of Allegheny, Pa., Wm. R. Smith of Washington, D. C., and others are in the front rank of veteran growers.

Twenty-five years ago Henry A. Dreer of Philadelphia listed a few aquatics—about half a dozen varieties—but little or no change or addition to the list was made for about 10 years.

#### VICTORIAS.

Hovey & Co. of Boston and Benj. Grey of Malden, Mass., also listed and offered water lilies for sale about this date. In 1886 E. D. Sturtevant introduced a variety of victoria under the name of *V. Randii* but after a few seasons it disappeared as did other forms of *V. Regia*, but it had added its stimulus to the culture of the victoria and, not only at Lincoln park, Chicago, but in other public gardens were attempts made to grow the victoria with or without artificial heat. It was grown by Wm. R. Smith in the Batholdi fountain, Botanic Garden, Washington, D. C., and Dr. Henry Bahnson of Salem, N. C. After several attempts the latter succeeded



in growing and flowering the same without artificial heat.

Very gratifying results have been obtained by growing it under glass, notably at Allegheny and Schenley parks, Pittsburg, Pa., and a few private estates, but preference is now given to outdoor cultivation with artificial heat at the early stages of growth which is the recognized system for this species. In 1894 another species was introduced as *V. Trickeri*;

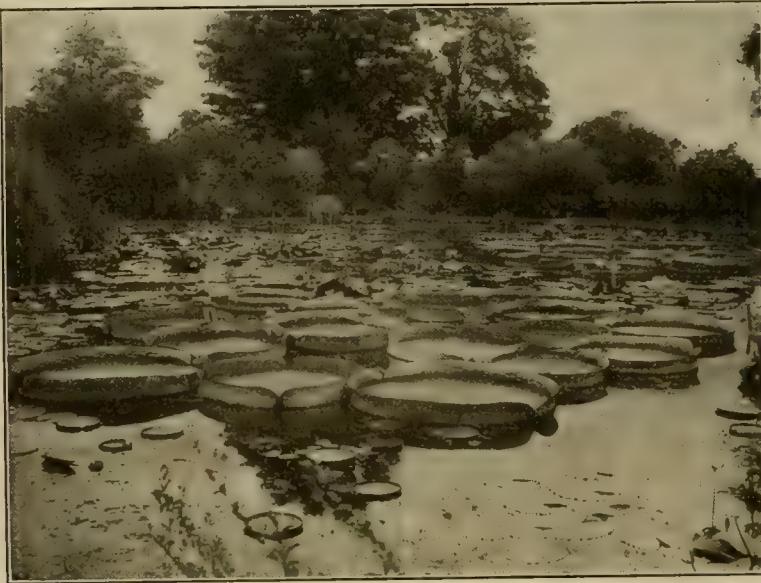
*N. chromatella*). These, with other famous crosses of hardy nymphæas, gave many new and varied forms and colors that stimulated aquaculture and added new features to landscape art and gardening.

At the Paris exhibition in 1889 M. Marliac surprised the horticultural world with his exhibit of hybrid hardy nymphæas and as soon as the plants were offered for sale they became popular in both hemispheres. Marliac

ter lilies were exhibited at the world's fair, Chicago, by E. D. Sturtevant and Wm. Tricker and new hybrids of the night-blooming varieties were exhibited then, and afterwards disseminated by Wm. Tricker & Co. In 1896 Henry A. Dreer commenced aquaculture on a large scale under the management of Wm. Tricker as specialist. Here water gardening has developed to its present high standard, aquatics of all varieties have been tested, collected, hybrids raised and distributed to all parts of the horticultural world. Some valuable natural crosses have occurred with W. B. Shaw at Benning, D. C., and Geo. Richardson, Warren, O. Some of the choicest hardy hybrids were raised by the late James Brydon, notably the one bearing his name. There are still others who have taken a lively interest in hybridization. Oakes Ames, North Easton, Mass., Peter Bissett of Washington and Dr. Henry S. Conard, University of Pennsylvania.

#### CATALOGUES AND BOOKS.

Twenty-five years ago few catalogues listed aquatics and some only the native varieties; fewer still listed tender nymphæas and the prices then were almost prohibitive—*Nymphæa Zanzibarensis* was priced at \$10 each; today it can be bought for \$1.50. It was not until 1894, after the Chicago exposition, that growers, dealers and others became enthusiastic in water lilies and with an increasing demand leading houses in New York, Boston, Philadelphia and Chicago gave an up-to-date list. The number of nymphæas nelumbiums, etc., have steadily increased until in 1909 catalogue lists comprise as many as 68 species and varieties of nymphæas alone and a long list of nelumbiums and other aquatic plants. Marliac lists 62 species and varieties of hardy nymphæas alone and the end is not yet. In the treatise "Water Lilies" Dr. Henry S. Conard enumerates seven species and 93 varieties. The leading florists,



VICTORIA TRICKERI.

seeds were sent to Kew for identification and the specimens grown there were regarded simply as a form of *V. Regia* but investigation made by the writer and others prove conclusively that it is *V. Cruziana* d'Orbiguy. This species has received a well deserved popularity in Europe and the United States, being more amenable to outdoor cultivation and as easily grown as the tender nymphæas, not requiring the high temperature necessary for *V. Regia*.

#### HYBRID NYMPHÆAS.

Few species of nymphæa have been introduced during the past 25 years. As in other branches of horticulture new varieties have been the product of the hybridist and many of them have been exceedingly beautiful and have surprised the horticultural world. Mr. Sturtevant had the honor of raising and introducing the first hybrid of American origin. *Nymphæa Sturtevantii*, a night-blooming variety, introduced in 1884, is worthy of immortalizing the raiser's name. Other varieties, both hardy and tender, have been sent out since then by the same man, but *N. Sturtevantii* is par excellence. Nymphæas at this early date, especially the tender varieties, were costly, their method of culture not so well understood and their winter care so problematic that, while they had a host of admirers, few ventured to grow them. It was not until that worthy French hybridist B. Latour Marliac conceived the idea of crossing the American species, *N. tuberosa* and *N. flava* that he produced the famous canary lily, *N. tuberosa flavescens* (afterwards known as

by his persistent efforts still maintains his unique position and year by year new varieties are added to the list. In the United States, horticultural societies, expositions, public parks and gardens were means of publicity and sources of education and many individuals became interested in the culture of water lilies. In 1893 wa-



AQUATICS AT HENRY A. DREER'S NURSERY, RIVERTON, N. J.





NYPHÆA DENTATA MAGNIFICA AT TWIN OAKS, WASHINGTON, D. C.

seedsmen and others offer water lilies and aquatics for sale and give cultural notes which have been of great benefit to amateurs and others. Then we have had essays, papers, magazine articles, etc., which have contributed much useful information, as well as the weekly horticultural press.

Volumes have been written by experts, including "The Water Garden" by Wm. Tricker, "Water Lilies" by Conard and Hus, and "Water Gardening" by Peter Bissett. Bailey's "Encyclopedia of Horticulture" contains much data and information on water lilies and other aquatics that would make a book in itself. But the most complete, comprehensive and exhaustive work ever written is Dr. Conard's "Monograph of the Genus *Nymphaea*," a complete synopsis of the water lilies such as never has been put before the English-speaking world. Its historical account, together with the introduction and comparison of species and varieties, their names and synonyms, hybrid varieties, descriptions, their culture, uses, etc., is elaborate and complete. The improvement and dissemination of new varieties is being prosecuted with vigor both in this country and Europe, notably by Marliac, Temple sur-Lot, Henry Henkle, Darmstadt, and Perry, Veitch and others in England. The species and varieties are numerous and varied; it is a simple matter now to select suitable varieties for all purposes from the

miniature garden where a tub will suffice to the pools and lakes of large dimensions. There is ample room for still further development and during the next decade or quarter century it is reasonable to expect still greater results than have been achieved during the past 25 years.

#### *Nymphaea Lotus.*

Through the kindness of Mr. Holtze, I received, among other *nymphaeas*, seeds of a white variety of *N. Lotus*, collected in the northern territory of Australia, says a German correspondent of the *Gardeners' Chronicle*. It flowered here last season, and shows much resemblance to the forms from India, and especially those from Africa. The flowers are small, but the plant is free flowering. There are four sepals and 14 snow-white petals, 34 white stamens, the anthers being of pale yellow color. There are 13 carpels, and the carpellary style is of sulphur yellow color, and glossy. The leaves are dark green, glossy on the upper surface and hairy underneath. They are irregularly blotched with dark spots, and dentated at the margin. As I have now together true typical forms of *N. Lotus* from nearly all parts of their natural habitat, it will be interesting to compare them whilst under the same cultural conditions. *N. Lotus* has not been noted from Australia previously.

#### The Margin of the Water Garden.

Water in some form adds greatly to the attractions of the garden, for, although perhaps few of us will echo Bernard Pallissy's words, "It is impossible to have a spot proper for a garden unless there be some fountain or stream passing through it," all must recognize the infinite possibilities that the presence of water affords for enhancing the beauty and charm of our gardens. There are certainly many lovely domains where water is absent, but in visiting such there is a feeling that there is something lacking that prevents absolute perfection being attained. It is the absence of water that creates the impression, and one realizes how much the prospect would gain were it possible for the grounds to contain a placid lakelet on whose surface blossoming water lilies floated, or a streamlet, now sonorous as it murmurs over its uneven bed, taking a deeper note when it plunges down a rocky fall, or silent as it glides into a shadowy pool, where the foam-flakes eddy beneath arching fronds of graceful lady fern or royal osmunda.

Water is of inestimable value in the garden, not only on account of the plants which may adorn its surface, such as the *nymphaeas*, the yellow villarsia, and the white Cape pondweed (*Aponogeton distachyon*) for still pools, and the water crowfoot (*Ranunculus aquatilis*) for slowly-flowing streams, but for the many delightful



moisture-loving subjects that may be grouped at its margin.

Much depends on the surroundings of a lake, for it is on these that its effect upon the eye chiefly depends. If they are artistically disposed they heighten the charm of the water and often produce a picture of perfect loveliness, whereas, if the arrangement has not received careful consideration, the probability is that the scene will lack much of its possible beauty. It will be admitted by everyone that planting of some description is absolutely indispensable on the shores of a lake, for a bare sheet of water, with its banks destitute of every description of vegetation, misses one of the chief attractions of still water, that of reflection, since only the passing clouds can be mirrored on its surface. It being conceded that the margins of lakes should be planted, the next question to be considered is the manner of this planting, and the subjects to be employed.

Care should be taken not to overcrowd the margin. Water hemmed in by a barrier of tall and thick-growing subjects is worse than if its circumference were devoid of plants. Things should be naturally grouped, with open spaces here and there, so that the water may be approached from various points, and the effect studied without hindrance from intervening vegetation. A good lesson in grouping may be learned by studying the growth of our wild water plants. In June colonies of wild rhubarb may be seen growing on some half-submerged islet or sandspit, ever swaying with the rapid movement of the water that ridges itself into countless furrows as their strong leaf-stalks break its even flow. In still, shallow backwaters, where the foam-flakes swept by the eddies from the foot of the weir lazily circle, stand sheaves of tall young bullrushes, with yellow, broad-leaved water flags, "Flag leaves" that let green water through," and above them, on the bank, the golden glory of the marsh marigolds, while in a shady reach the river's margin is clothed with the water forget-me-not's blue, a color that seems to pale suddenly as a

glint of more brilliant azure passes, and the kingfisher flashes adown the stream.

For noble beauty nothing is finer for the water's edge than the giant gunneras, *G. manicata* and *G. scabra*, of which the former is to be preferred, as its leaves are larger, often measuring as much as 10 feet across. *Polygonum cuspidatum* and *P. Sachalinense*, with arching, knotted stems, and heart-shaped leaves, make handsome isolated specimens, their land-grabbing nature, which renders them unfitted for the border, being here innocuous. The monkshoods are good waterside plants, the lately-introduced *Aconitum Wilsoni*, a beautiful plant with lavender-blue flowers, rejoicing in moist soil, and often attaining a height of seven feet or more. Some of the senecios are excellent for the neighborhood of water, as they appreciate moisture at the root. Two of the best are of recent introduction. *S. tanguticus* has palmately-lobed leaves and large flower heads composed of innumerable small yellow blossoms. In rich, damp soil it will reach a height of six feet, and is a very handsome object by the waterside. The other is *S. clivorum*, with large yellow flowers. The spiraea family, both shrubby and herbaceous varieties, delight in moisture, and are very pretty when in bloom. Among the best of the herbaceous section are the tall-growing *S. gigantea*, or *Camtschatica*, the rose-pink *S. palmata rosea*, the flesh-colored *S. venusta*, and the white *S. Aruncus*, and in the shrubby division *S. Lindleyana*, *S. flagellata*, *S. Japonica* Anthony Waterer, and *S. Thunbergi* are good.

All of the primulas except two species, *P. Palinuri* and *P. Sinensis*, appreciate moisture, and many succeed to perfection at the water's edge. The stately *P. Japonica*, which, under favorable conditions, will attain a height of four feet, is a beautiful sight at Enys, in Cornwall, where it grows for 100 yards along the side of a lake, under lime trees, and when the plants are in full flower the rosy glow reflected from their blossoms into the still lake is very beautiful. Many of

these plants are growing with the water well above their crowns. *P. Sikkimensis* is equally fond of the water, and there is no better position for it than by the side of a lake, as then its roots will be always moist, a condition indispensable to the successful cultivation of this primula. There are few more beautiful sights than a large colony of *Primula Sikkimensis* growing by the waterside, with tall stems, two feet or more in height, set with clusters of as many as 50 pale yellow, drooping, fragrant blossoms in the early summer. *P. rosea*, the gem of the Indian primulas, is one of the most precious of its race. It requires porous soil and abundant moisture, and does best when planted close to the water, so that its roots may be always damp. In a certain garden half a dozen plants were procured some years ago, and these have spread to such an extent that there are now hundreds of self-sown seedlings, most of which are growing among the stones at the side of a stream, and are often overflown.

For the shallow water at the margin of a lake or pond, arum lilies (*Richardia*) form a most exquisite finish, but, although these are sometimes grown in the open as far north as Scotland, it is scarcely wise to recommend them except for the southwest, or Ireland. In a certain lake in Cornwall they grow in their thousands round the shore, and present a delightful picture in the early days of June when in full bloom. *Rodgersia podophylla* is a strikingly handsome foliage plant. Its large leaves, carried on tall stems, are deeply divided, and of a rich bronze-brown color. The white flower spike, borne well above the foliage in June, is pretty, and it does best by the waterside. Two new species are *R. pinnata* and *R. æsculifolia*. The giant saxifrage, *S. peltata*, is a native of California, but, as it dies down in the winter, is rarely injured by frost. In April it throws up a tall flower spike about three feet in height, bearing a large umbel of pale pink blossoms. The lobed leaves appear after the blooms are past, and are a foot in diameter, having a very handsome appearance.



PORTION OF THE WATER LILY POND OF GEO. SCHWING, ROCKWELL AVENUE, CHICAGO.



*Libertia formosa* will do well by the water in the southern counties, and at Abbotsbury Castle is grown most successfully by the waterside. Other good plants for lake margins are globe flowers (*trollius*), the summer snowflake (*Leucojum aestivum*), yellow and purple loosestrife (*lysimachia* and *lythrum*), willow herb (*epilobium*), *Iris Sibirica*, *Iris laevigata* or *Kämpferi*, Solomon's seal, *Arundo Donax*, *mimulus*, and day lilies. Golden and cardinal willows should not be forgotten, as their bright colors are extremely valuable for winter effect, and the royal fern (*Osmunda regalis*) flourishes nowhere so well as by the waterside.—Gardener's Magazine.

#### A Chicago Water Lily Farm.

A pioneer in water lily growing, and, as far as we know, the only grower in or around Chicago, is Geo. Schwing of 5660 Rockwell avenue. Away out among the wilderness of truck growers around Gage park Mr. Schwing has a big market garden, but like an oasis in the desert is his home and fine lawn, containing large flower beds and borders and his lily pond which just now is extremely attractive. Mr. Schwing has been growing water lilies for sale for 14 years and consigns the whole of his cut to that up-to-date retailer, John Mangel, at Monroe and Wabash avenue, who makes those charmingly cool window displays at this time of year and thus draws attention to his store.

Mr. Schwing has a large concrete pound, only a portion of which is shown in the accompanying illustration, and he grows all the best of the hardy water lilies and some of the tender ones. Among the latter is his own hybrid, a beautiful pink, that throws large graceful flowers up nearly two feet out of the water. This he has named *Nymphaea George Schwing* and finds it one of the finest for cutting. About 16 other varieties are grown, including *N. Marliacea rosea*, *N. O'Maraiana*, *N. albida*, *N. gloriosa*, a beautiful red, *N. caerulea* and *N. Capensis*. All appear to be equally free flowering and the display in the bright, telling colors is extremely beautiful. All around them are many fine herbaceous plants, *Iris Kämpferi* and *delphiniums* being in fine shape at the time of our visit. A bed that is not at its best yet but will be very fine later is planted to *Tritoma Pfitzeri* with large plants of *Arundo Donax* in the center. This will be a grand show when at its best while large raised beds of *cannas* and other plants promise well.

WAKEFIELD, R. I.—Byrnes, the florist, has opened a shop in the Hazard block.

KANSAS CITY MO.—After 21 years at 1017 Broadway Samuel Murray is moving to his new store at 913 Grand avenue. The new location is more accessible to the downtown trade and one of the best positions. Mr. Murray will have much greater facilities for business in his new store. Formerly Broadway was one of the fashionable districts of the city but it is now principally devoted to wholesale houses and the like and thus Mr. Murray was compelled to seek new quarters.

## OBITUARY.

### Mrs. J. P. Cartwright.

Mrs. Cartwright, wife of J. P. Cartwright, a well known grower of Needham, Mass., and one of the original promoters of the first flower market in Boston, died at her home in Needham July 6 after a long illness. She was about 50 years old. She is survived by her husband, one son, Walter, who is associated with his father in the business, and one daughter. At the funeral, noteworthy among the floral tributes was a beautiful standing wreath of roses and other flowers from the people of the old Park Street Market, Boston, with which Mr. Cartwright is connected.

### Thomas Clark.

Thomas Clark, for many years a gardener and florist of Boston, Mass., died at his home in that city July 6, aged 71 years. He was born in Ireland, coming to this country when about 16 years old. In later years he was for a time associated with his son, Thomas J., the well known retailer now in business at Boylston and Berkeley streets. He is survived by a widow, one son, Thomas J., and one daughter, Mrs. John F. Fitzgerald. He was a devout member of the Catholic church and a member of various charitable and benevolent societies connected therewith. He was also a member of the Ancient Order of United Workmen. Mr. Clark was a genial and kindly man, beloved by his family and a wide circle of friends.

### Gustav Drobisch.

Gustav Drobisch, owner of the Cottage Rose Garden and the oldest florist in Columbus, O., died at his late residence, 1265 South High street, July 10, from a complication of diseases. He had been ailing for several weeks, but his condition became serious only a week before his death. Mr. Drobisch was born in Dresden, Germany, 69 years ago, and at the age of 14 years came with his parents to this country. With the exception of four years which were spent in Buffalo, he has since lived in Columbus. He was first connected with the Hanford nursery and in 1881 went into the florist business for himself and continued this business up to the time of his death. There survive, besides the widow, Mrs. Margaret Drobisch, five children, all living in Columbus.

### Thomas W. Dee.

Thomas W. Dee, probably the oldest florist in Boston and vicinity, died at his home, 223 Brattle street, Cambridge, Mass., July 2. Mr. Dee was 73 years old. He had been in poor health for more than a year, but was not taken dangerously ill until Memorial day. On that day a number of his comrades in John A. Andrew post 15, G. A. R., who were decorating at Mt. Auburn, called on him. Mr. Dee was born in the Portsmouth navy yard at Portsmouth, N. H. During the civil war he served in the navy as an assistant engineer and fought at Sumter, at Mobile under Farragut, and at New Orleans and on the Mississippi under Porter.

He went into the florist business with John Galvin about 1878 on Tremont street, Boston. Later he started conservatories at Mt. Auburn and joined William Doyle in business at 57 Tremont street under the firm name of Dee & Doyle. Later his brother, John H. Dee, joined him in business, under the firm name of Dee & Dee, at 114 Tremont street. Thomas conducted the conservatories at Mt. Auburn in-

dependently. He retired from active business nearly seven years ago. His brother, John H. Dee, died six years ago on the same day in July. Mr. Dee leaves a daughter, Mrs. J. H. Gearan, with whom he had lived for many years. His wife died 32 years ago.

### Louis A. Smith.

Louis A. Smith died June 27 at his home at 600 South Huron street, Wheeling, W. Va. Mr. Smith, who was 48 years of age, was the son of John Smith and wife, pioneer residents. He was born on May 4, 1863, at the old Smith homestead and resided there all his life. His father was one of the best known gardeners of this section. After completing his early education the deceased continued to reside at home and about 20 years ago established a greenhouse and general floral business. In this he was very successful and the firm rapidly became the largest of its kind in the city. Mr. Smith was married in 1891 to Miss Jennie Cowl, of Wheeling, and to the union was born one son, Robert, aged 16. The sterling worth of Mr. Smith was known throughout the city and vicinity and he numbered his admiring friends by the hundreds. In addition to his sorrowing wife and son he is survived by several brothers and sisters.

### John W. Dudley.

John Willis Dudley, aged 69, one of the most prominent florists of the south and one of the most respected citizens of Parkersburg, W. Va., died at his home in Dudleyville in the evening of July 3. Although Mr. Dudley had been in ill health for three years previous to his death the end came with extreme suddenness as only 10 minutes before he died he ate a hearty supper. Apoplexy and acute indigestion was the cause of death. Mr. Dudley was born in 1841 in Oswego county, New York, and went to Parkersburg with his father in the early fifties. His father was a contractor and built several churches now standing in Parkersburg.

In 1862 Mr. Dudley married Miss Emma G. Leonard of Wood county, 11 children having blessed their union. Mrs. Dudley died in 1904. Shortly after his marriage he engaged in the gardening and dairy business and in 1868 he built the first greenhouses, adding to them from time to time until today the enterprise stands as one of the finest, if not the finest, in the state and, under the firm name of J. W. Dudley & Sons, is known from coast to coast. A specialty of the firm is fine hydrangeas for which it is justly noted. In 1906 Mr. Dudley married Mrs. Sallie Ward who survives him. He is also survived by the following children: William Dudley, Charles P. Dudley, Mrs. Grace Shields, Miss Lou Dudley of Clarksburg, Mrs. Helen O'Neill, Mrs. George D. Heaton, Mrs. Fred Woods, Mrs. Frank C. Coffman of Washington, D. C., Miss Elizabeth Dudley, Brainard and Albert Dudley, Lysander Dudley, a brother, Mrs. Grace Rhodes of Granville, O., and Mrs. Betsy Cole of Wilkinsburg, Pa.; sisters, also survive.

YOUNGSTOWN, O.—The Idora Floral & Landscape Co. has been organized by W. Bakody of this city and F. Ament of Berlin, Germany. Mr. Bakody will look after the business end of the firm and Mr. Ament who is a graduate of the Royal Academy of Landscape Gardening and Horticulture of Berlin, will have charge of all other work. About 159 acres will be under cultivation, 22,000 feet of which will be under glass.



# THE AMERICAN FLORIST

1885 TWENTY-FIFTH YEAR 1910

Subscription, United States and Mexico \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

Eastern Representatives:

A. F. FAULKNER, 1133 Broadway, New York.  
ROBT. KURT, 1725 Chestnut St., Philadelphia, Pa.

THE AMERICAN FLORIST,  
824 Dearborn St., CHICAGO

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THE Florists' Hail Association now insures 34,500,000 square feet of glass and has paid over \$25,000 for broken glass this year. John G. Esler, Sadle River, N. J., is secretary of the association.

## Florists' Club Outings.

Minneapolis and St. Paul, Minn.—The annual picnic of the Minnesota State Florists' Association will be held July 21. Secretary, Jerry P. Jorgenson, 3501 Portland avenue south, Minneapolis.

Cincinnati, O.—Cincinnati Florists Society, July 21, at Country Club Grounds, Carthage, O.

St. Louis, Mo.—St. Louis Florists' Club, July 21, at Ramona Park.

THE annual convention of the Canadian Horticultural Association will be held at St. Catharines, Ont., August 10-12.

## Personal.

E. H. R. Green, son of Hetty Green, July 7 was elected a director of the Seaboard National Bank, New York, at a meeting of the board. This election to the Seaboard is his first entrance into New York financial circles.

## American Gladiolus Society.

The schedule of prizes and entry blanks for the Rochester exhibition are now ready to mail, and any one interested that does not receive them, may obtain them by applying to me before August 12. George B. Hart, of Rochester, has offered a silver cup for the exhibit containing the largest number of standard varieties. When it is desired that exhibits be staged by the society, notice should be sent as early as possible to the corresponding secretary. Exhibits by express should be addressed to American Gladiolus Society, Convention Hall, Rochester, N. Y.

President Hendrickson has appointed to serve as a committee on awards Prof. L. B. Judson, Ithaca, N. Y.; Michael Keller, Rochester, N. Y.; Al. Salter, Rochester, N. Y.

L. MERTON GAGE, Sec'y.

## Society of American Florists.

Public notice is hereby given that Hoopes Bro. & Thomas Co., of West Chester, Pa., offers for registration the rose described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

## RAISER'S DESCRIPTION.

Purity.—A strong growing climbing rose, making shoots of from 10-12 inches in a season. Foliage bright, glossy green, free from mildew or black spot. Flower 4-5 inches in diameter, pure ivory white. Petals of great substance and beautifully cupped. The plant is very floriferous, literally covering itself with its large flowers. Resembling Clematis Henry they are borne on long stems 12-18 inches long and are very fragrant. The buds are very large and fine for cutting. Can be used either as a pillar or climbing rose.

Public notice is hereby given that A. N. Pierson, Inc., of Cromwell, Conn., offers for registration the roses described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

Lady Cromwell.—A sport of My Maryland, originating with A. N. Pierson, Inc., in 1908. This rose in every way resembles My Maryland except in color. It is a shell pink outside, shading deeper towards the center, which is a creamy yellow, and sometimes quite a deep yellow. During the hot weather, however, the yellow center disappears, and the rose looks very much the color of an Enchantress car-

nation. It is very fragrant. This rose will not be disseminated until the spring of 1912.

Dark Pink Killarney.—A sport of Killarney originating with the Montrose Greenhouses, Montrose, Mass., and acquired by A. N. Pierson, Inc., by purchase. It is a sport of Killarney identical with the parent in habit and size of bloom. The color, however, is much darker than Killarney at all times of the year. This rose will be disseminated in 1911.

H. B. DORNER, Sec'y.

July, 7, 1910.

## Chicago to Rochester.

The Chicago Florists' Club has arranged with the Lake Shore & Michigan Southern railroad for transportation to the Rochester convention as follows:

A special train will be provided, same to be counterpart of the Twentieth Century Limited and to consist of combination baggage and buffet car, one of the famous Lake Shore diners, as many as 12 section and drawing room sleeping cars (compartment cars if desired) as may be required to properly take care of the party and give everyone plenty of room, the train to be finished off with either an open section or compartment observation end sleeping car. The train will leave Chicago at 5:30 p. m. Monday, August 15, arriving in Rochester at 9 a. m. Tuesday, August 16.

The rate authorized for this occasion is one and three-fifths fare on the certificate plan, \$13.38 going (passengers to be sure and ask for certificates in purchasing their tickets, for on same will depend their being able to secure the reduced rate returning) and three-fifths of that or \$8.10 returning, making a total of \$21.48 for the round trip. The Pullman rates are as follows: Double lower berth or upper berth, \$3; section, \$6; compartment, \$8.50; drawing room, \$11.

Delegates from St. Louis, Indianapolis, Louisville, Cincinnati, Columbus, etc., can join together and arrange for special sleepers to be attached to this special train at Cleveland, thus bringing all together at that point for the remainder of the journey, Cleveland to Rochester. As to the Detroit people, it would be a very easy matter for them to join the special train at Toledo. The St. Louis people could come via Chicago and join this special train if they so desired as the same rate would apply through Chicago as via the direct line.

G. K. Thompson, general agent passenger department, will accompany the party for the purpose of seeing that everything goes smoothly. For further information and reservations, address G. K. Thompson, 180 Clark street, corner Madison (Telephone, Harrison 7,600) or E. F. Winterson, 45 Wabash avenue (Telephone, Central 6004).

## Meetings Next Week.

Detroit, Mich., July 18, 8 p. m.—Detroit Florists' Club, Cowie building, 42-44 Gratiot avenue.

Grand Rapids, Mich., July 18.—Grand Rapids Florists' and Gardeners' Club, office of member.

Hartford, Conn., July 22, 8 p. m.—Connecticut Horticultural Society, County building.

New Orleans, La., July 21, 8 p. m.—New Orleans Horticultural Society, Kolbs hall, 127 St. Charles avenue.

Newport, R. I., July 27.—Newport Horticultural Society.

Providence, R. I., July 18, 8 p. m.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street.

Salt Lake City, Utah, July 19.—Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South street.

Scranton, Pa., July 22, 7:30 p. m.—Scranton Florists' Club, Guernsey building.

St. Paul, Minn., July 19, 8 p. m.—Minnesota State Florists' Association, 510 Snelling avenue, north.



## Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

**Situation Wanted**—Position as foreman, all around florist and plantsman, where American Beauties are a specialty preferred.  
Key 156, care American Florist.

**Situation Wanted**—Gardener good at growing pot plants under glass, vegetables and all outdoor work; first-class refs.; private place preferred; single, age 34.  
Address GARDENER, care American Florist.

**Situation Wanted**—Cornell student who has had practical experience in retail flower store and in nursery lines desires a good position on the Pacific coast; would invest in suitable place.  
Key 147, care American Florist.

**Situation Wanted**—By practical middle-aged florist; life experience in growing roses, carnations, violets, chrysanthemums and bedding plants; single, sober, industrious; state wages. Address  
Key 149, care American Florist.

**Situation Wanted**—By practical middle-aged florist; life experience in growing roses, carnations, violets, chrysanthemums and bedding plants; single, sober, industrious; state wages. Address  
Key 153, care American Florist.

**Situation Wanted**—On private place near large town or small city by an experienced gardener, capable of laying out grounds and doing all work pertaining to planting, growing and care of gardens; unexcelled references; parties looking for a reliable, steady man of good character and habits who knows his business, address  
Key 144, care American Florist.

**Situation Wanted**—Wanted to correspond with a party desiring an all around gardener and florist. German single, age 26; 12 years' European and American experience in growing cut flowers, pot bedding plants; good propagator and designer, also landscaping, nursery and growing vegetables; at present in charge of a gentleman's estate in south Texas and would accept a permanent position August 1, taking charge or as assistant foreman, private or commercial, and anywhere in the United States; can furnish references as to honesty, sobriety and character; when answering state particulars and salary.  
Key 150, care American Florist.

**Help Wanted**—For greenhouse and outside; all-around young man.  
Key 151, care American Florist.

**Help Wanted**—A rose grower to work in rose sections; state wages without board.  
COLE BROS., Peoria, Ill.

**Help Wanted**—Three experienced potters; give references. VAUGHAN'S GREENHOUSES, Western Springs, Ill.

**Help Wanted**—For greenhouse work; three or four good potters. Apply to  
BASSETT & WASHBURN, Hinsdale, Ill.

**Help Wanted**—Two nurserymen who are honest and industrious; wages \$2.50 per day; steady employment and advancement if satisfactory.  
DEVILS LAKE NURSERY, Devils Lake, N. Dak.

**Help Wanted**—Farm manager, who has some knowledge of nursery and greenhouse work. A good place to the right man; state experience and name references.  
A. F. W., P. O. Box 330, Richmond, Va.

**For Sale**—Furman boiler, size A 83; capacity, 8,000 square feet; used one winter; good as new; am going to enlarge plant.  
CARL F. BREHMER, Chillicothe, Ohio.

**For Sale**—Good greenhouse in one of the most desirable towns, in excellent location; three railroads, making good shipping center; a snap.  
Apply to WM. BALLARD, Perry, Iowa.

**For Sale**—80-acre farm, 17 miles from Chicago, five blocks from station, sidewalk out to farm, switch track, good soil. Ideal location for greenhouses. Address  
FRANCIS A. BECKER, Des Plaines, Ill.

**For Sale**—Two second-hand hot water boilers in a first-class condition; one for 6,000 and one for 6,500 lineal feet of 4-inch pipe.  
SUPERIOR MACHINE & BOILER WORKS  
840-850 W. Superior St., Chicago.

**For Sale**—Old established greenhouse plant for sale or rent; about 10,000 feet glass, dwelling house seven rooms; everything in good shape; owner has other business. Apply to  
J. B. WHITEHEAD, Trust Bldg., Rockford, Ill.

**For Sale or Rent**—40,000 square feet of glass, in good location; needs partial rebuilding; rent accordingly, or will sell at reasonable price.  
Key 460, care American Florist.

**Wanted**—Second hand greenhouse bars, 12 and 8 ft. lengths; also a quantity of glass, 12x14 or 16x18.  
NORTH SIDE GREENHOUSE,  
55 E. Pultney St., Corning, N. Y.

## For Sale or Rent.

Four greenhouses and residence; good location,  $\frac{1}{2}$  block from carline; north-west side.

R. VIRUS, 5324 Leland Ave., Chicago.  
near Milwaukee Ave.,

## WANTED

Young man with thorough ornamental nursery stock training. Splendid opening for right party. Must furnish the best of recommendation. Address

Elm City Nursery Co., New Haven, Conn.

## Wanted Foreman

To take charge of 100,000 feet glass; must be up in rose, carnation and mum growing; also first-class plantsman with full knowledge of growing all varieties of bulbous stock, ferns, flowering plants, etc.; capable of handling men; salary, \$100.00 per month; none but first-class man need apply; references required.

Key 154, care American Florist.

## CARNATION GROWERS

Wanted to work as section men in houses 300x40 on large modern greenhouse establishment located in the country near Boston; also one man who understands sweet peas and mums; men must be married, experienced, steady, temperate and good willing workers; none other need apply; state age, nationality, experience and give references when writing; wages \$50.00 per month the year round with a 5-room house on the establishment.  
Key 145, care American Florist.

## FOR SALE

60 Eric City "Economic" return flue boiler. Will heat 6,000 ft. glass.

WERICK BROS. CO.

Pine Ridge, BUFFALO, N. Y.

## WANTED.

Seedsmen capable of earning \$1000 per year. State fully your experience in seed business. Address

Key 494, care American Florist.

## WANTED.

A thorough seedsmen with life experience in all branches of the business, having been connected with prominent eastern and southern houses, is desirous of making a change. Am thoroughly acquainted with the trade, and sources of supply, European and American, including tools, supplies and side lines; a good buyer, well versed in catalogue compiling, illustrating, etc.; also traveling and growing experience. I can get results, and I have the letters of the best in the trade and business life to substantiate my claims, also as to business ability and character. A first-class place only, where a salary commensurate with ability, is paid is desired.

Key 155, care American Florist.

## NOTICE

—OF—

## STOCKHOLDERS MEETING

CHICAGO, July 14, 1910.

Stockholders of the American Florist Company:

You are hereby notified that the annual meeting of the stockholders of the American Florist Company will be held in the Power's Hotel, Rochester, N. Y., Wednesday, Aug. 17, 1910, at 3 o'clock p. m., for the purpose of electing directors and officers for the ensuing term and for the transaction of such other business as may come before the meeting.

J. C. VAUGHAN, Pres.  
M. BARKER, Sec'y.

# Manager Wanted

Advertiser is seeking thoroughly competent manager for a new up-to-date commercial greenhouse establishment in the west; state age, experience and salary.

Address Key 152, care American Florist.

# Are You Aware

THAT OUR 1910 DIRECTORY

OF FLORISTS  
SEEDSMEN AND  
NURSERYMEN

Contains Approximately

1,500 New Names in Its 570 Pages

Price \$3.00 Postpaid.

Every name is keyed to show the branches of the business in which each individual or concern is engaged, with greenhouse area and acreage of land.

AMERICAN FLORIST CO.,

324 Dearborn St., Chicago



# Reinberg's Roses

It doesn't matter where you go. **THERE ARE NO BETTER ROSES** at this time of year than ours. Our **Beauties from young stock** are simply grand flowers, with fine healthy foliage of good color; while our **Killarney, Richmond and Uncle John** are the finest coming to this market. Our facilities for **Packing and Icing** are of the best and insure safe arrival. **A TRIAL ORDER WILL CONVINCE YOU.**

## CURRENT PRICE LIST

| American Beauties,             | Per doz.                 |
|--------------------------------|--------------------------|
| Long stems .....               | \$3 00                   |
| 30-inch stems .....            | 2 50                     |
| 24-inch stems .....            | 2 00                     |
| 20-inch stems .....            | 1 50                     |
| 15-inch stems .....            | 1 25                     |
| 12-inch stems .....            | 1 00                     |
| Short stems .....              | \$4 00 to \$6 00 per 100 |
| <b>Richmond, select,</b> ..... | <b>\$6 00</b>            |
| medium .....                   | \$4 00 to 5 00           |

|                                           | Per 100             |
|-------------------------------------------|---------------------|
| <b>Killarney, select,</b> .....           | <b>6 00</b>         |
| medium .....                              | 4 00 to 5 00        |
| <b>Mrs. Marshall Field, select,</b> ..... | <b>\$6 00</b>       |
| medium .....                              | \$4 00 to 5 00      |
| <b>Bridesmaid,</b> .....                  | <b>4 00 to 5 00</b> |
| <b>Bride</b> .....                        | <b>4 03 to 5 00</b> |
| <b>My Maryland, select,</b> .....         | <b>6 00</b>         |
| medium .....                              | 4 00 to 5 00        |
| <b>Chatenay</b> .....                     | <b>5 00</b>         |
| <b>Ivory</b> .....                        | <b>5 00</b>         |

|                                    | Per 100                 |
|------------------------------------|-------------------------|
| <b>Carnations</b> .....            | <b>\$1 00 to \$2 00</b> |
| <b>Valley</b> .....                | <b>3 00 to 4 00</b>     |
| <b>Easter Lilies</b> ... per doz., | <b>1 50</b>             |
| <b>Asparagus Plumosus,</b>         |                         |
| extra quality...per bunch,         | <b>35 to 50</b>         |
| <b>Fancy Ferns</b> ..... per 1000, | <b>1 50</b>             |

**ROSES, our selection.....\$3.00 per 100**

**Peter Reinberg,** 35 Randolph St., **CHICAGO.**

### Chicago.

#### TRADE DULL AND STOCK POOR

Although some of the principal wholesalers are managing, by shipping stock directly it arrives and selecting the best grades only, to keep their long distance customers in good temper, the fact remains that the great bulk of the stock now arriving is of the poorest quality and not fit to ship any great distance. Carnations are shipped in regularly each day and just as regularly find their way to the dump. They are not fit to ship nor will they last any time and unless it is for making up into funeral pieces they are very little good. There are some fair flowers, from growers who have shaded their houses and laid themselves out to keep the plants moving, but they are in the minority. The truth about much of the poor stock coming in undoubtedly is that growers are afraid to lift their field plants on account of the drought and so leave the old plants in and take a chance on shipping them in, thinking they will make something at least, out of them. But in many cases they are lucky if they make the express charges. Good white stock has been asked for and not always forthcoming, but that is about the only kind needed.

Roses are little better than carnations. They are small and thin in the majority of instances and very little choice stock can be had. White Killarney is taking on a decided pink tinge and Killarney is very poor, as is Richmond. Beauties are only fair and it is perhaps fortunate that the demand is no better, for it could not be met if it was brisk. Asters are coming in but in the majority of cases they are open in the center, poor in color and substance and generally not worth much. Among orchids there is little change from last week in the supply, but the demand is not so good. Hardy flowers are of good quality considering the drought. Shasta daisies are fine; gypsophila, achillea, coreopsis, gaillardias, pyrethrums, cornflowers, pansies and others can all be had, but there is not much demand for them. In fact, the good old summer time is here all right and the check of the business was just about as sudden as the change in the weather. Vacations are the order of the day and in almost all of the houses some familiar faces are missing temporarily.

### NOTES.

The Lake Shore & Michigan Southern railroad has been selected as the official route to the Rochester convention. Full particulars of the arrangements will be found elsewhere in this issue. E. F. Winterson, chairman of the transportation committee, will be pleased to hear from all those who intend to go on the special train, which will leave this city at 5:30 p. m. Monday, August 15. Fare for the round trip is \$21.48 on the certificate plan, Pullman accommodations extra, according to the needs of the individual. Reserve berths early.

Miss Amy Forst of the Deamud force has gone to Eagle Lake, Mich., for two weeks. She is staying at W. H. Kidwell's hotel. T. C. Yarnall takes week-end trips there to visit Mrs. Yarnall and family, who have been staying some weeks. A considerable party left here Monday by the City of South Haven for the same place and Kidwell's hostelry appears to have a great attraction. Everyone who has been there is loud in praise of the excellent arrangements made for their comfort and of the delightful country around the hotel.

Conrad Frauenfelder, 3343 West Madison street, is having some new benches installed in his houses. Business has been very good the past season. J. Mohrle, who has charge of the store, left last Sunday for New York where he will remain for two weeks on a vacation. Roy Achenbach, Mr. Mohrle's assistant, is also on his vacation. Mr. Frauenfelder has been in business here for 25 years and Carl Werner has been in his employ for the past 13 years. The auto is receiving a general overhauling.

H. N. Bruns is having a cement floor laid in one of his greenhouses. New benches will also be put in and when the work is completed the house will be used for fern growing the coming season. Mr. Bruns is well pleased with business the past year and is now busy with funeral and wedding work. A. Billerbeck assists Mr. Bruns in the store while six men are employed in the greenhouses. The store is closed at 7 o'clock every evening except Saturday.

Peter Weiland has gone to Mt. Clemens, Mich., to take the baths for rheumatism. Mr. Weiland intends building a new greenhouse plant on his 57-acre farm at New Castle, Ind., adjoining the Big Four railroad track

on the west. Building operations will be started in the fall with a range of 10 houses, each 28x300 feet. Most of the product will be marketed in Indianapolis, where a wholesale store will be opened.

Kaiserin roses and American Beauty from young stock continue to arrive at Bassett & Washburn's. The firm fully intends to build a new plant as soon as a suitable location is found, but Mr. Washburn has not yet found it. He has been out several days this week inspecting proposed sites but he says that all he has done so far is to get several good soakings of rain and a fine coat of tan.

Kyle & Foerster report trade as far better than they expected at this season. An extremely fine late pink peony is being shown here, clear in color and a magnificent variety. Achillea, gypsophila and other hardy flowers are found here.

Weiland & Risch are quite open about the condition of business and own up to the depression usual at this season. Mr. Risch says though they have had a magnificent season and the young stock at the greenhouses is in elegant shape. They have a big stock of carnations in the field which look well.

Good orchids are being received daily at Vaughan & Sperry's and clear out well. L. A. Vaughan is still at Minocqua, Wis., fishing and fighting forest fires. His first day's catch was 8 black bass and one muskallonge. Fred Sperry is in charge and intends to take his vacation in August.

Poehlmann Bros. Co.'s stock is certainly as good as any now arriving here, the special care taken in cooling at the greenhouses and in grading and quick handling at the store accounting for the firm's success in long distance shipping.

Elmer E. Boynton, formerly a grower at Sycamore but now president of the First National bank of Butte, Neb., was in town this week, being piloted by J. B. Deamud, to whom he formerly consigned his stock.

Peter Reinberg has gone for a two weeks' trip to Yellowstone Park. The shipping trade keeps up remarkably well for the season here, carnations and roses being of good quality for this time of year.

Shasta daisies and some of the finest Killarney roses seen on the market are shown at Zech & Mann's this week



# Summer Flowers

**New Beauties, Kaiserin, Rhea Reid,  
Pink Killarney, Maryland, White Killarney**

These are the best roses for hot weather. We devote a whole range of glass to their growth and our plants are two to five years old, giving big, strong flowers.

**Buy Direct of the Grower and Get Fresh Stock.**

## Bassett & Washburn

Store and Office: 76 Wabash Ave.,

**CHICAGO**

Greenhouses: HINSDALE, ILL.

# Poehlmann's Flowers

are justly celebrated all over the United States for their fine quality. Our unexcelled facilities, both at the greenhouses and our wholesale store, enable us to handle the flowers, even in the **hottest weather** with promptitude and dispatch, insuring their arrival in first-class condition, no matter how far they are shipped. The stock we are now cutting is of exceptionally good quality and substance for the season.

Our **Beauties** of medium and shorter grades from young plants are splendid stock, fine foliage, good stems and flowers of fine color. **White Killarney** is in great shape and we have plenty for everybody. Also **Killarney, My Maryland, and Richmond.**

**Carnations** in all the leading varieties including fine **Enchantress, Winsor and Lawson,** are exceptionally good for this season of the year. **Home Grown Orchids,** fine fully developed flowers a specialty with us.

**Valley and Harrisi Lilies all the Year Round.**

**POELHMANN BROS. CO.** OFFICE AND SALESROOM:  
33-35-37 RANDOLPH STREET. **Chicago,**  
LONG DISTANCE PHONE, RANDOLPH 35.

Good Boston ferns in 5, 6 and 7-inch pots are being shown at Winterson's Seed Store. The seed trade here has slacked up after an exceptionally busy season.

Joe Dunn, formerly grower with J. A. Budlong Co., and later in business at Sturgis, Mich., is now foreman at the Hoerber Bros. plant at Desplaines.

C. W. McKellar and wife started on a six weeks' automobile trip east on Saturday. Fine *Cattleya gigas* are among the orchids shown here.

Kennicott Bros. Co. is showing a great variety of stock, including fine *Lilium auratum*, elegant *gladioli* and Golden Glow chrysanthemums.

Announcements are out for the wedding of Miss Marguerite Paulinsky, daughter of W. L. Paulinsky, and Allen George Mead, July 15.

Quite a number of out-of-town florists have passed through the city this week, enroute to the Elks' convention at Detroit.

F. Longren of E. H. Hunt's left July 9 for a southern trip. Business keeps up fairly well at the store for the season.

C. A. Allis of the Wietor Bros. force is away on his vacation.



## ORCHIDS

A SPECIALTY.

Fancy stock for Weddings and all occasions. Also full line of all **Cut Flowers, Florists' Supplies, Greens, Wire Work, Etc.**

Send for Quotations.

**CHAS. W. McKELLAR**

51 Wabash Avenue.  
**CHICAGO.**



# Peonies, Valley, Sweet Peas

All other Seasonable Stock at Chicago Market Prices.

We are now receiving regular shipments of home-grown **CATTLEYS** of excellent quality.

## VAUGHAN & SPERRY

LONG DISTANCE PHONE  
CENTRAL 2571.

52-54 Wabash Ave., CHICAGO.

### FLORISTS' CLUB MEETING.

There was a crowded attendance at the regular meeting of the Florists' Club at the Union Restaurant July 7 when an excellent supper was served. President Asmus occupied the chair, assisted by Vice-President Philpott all the way from Winnipeg. Chairman Winterson of the transportation committee reported that the Lake Shore and Michigan Southern Railroad had been selected for the convention trip, leaving August 15 at 5:30 p. m. Fare for round trip \$21.48, on the certificate plan. Further particulars will be found elsewhere in this issue. The committee in charge of the bowling team was admonished to get the bowlers in readiness for the contest at Rochester next August. A picnic was decided upon for July 31 but since the meeting the picnic committee has reported its inability to secure suitable grounds for that date and this matter remains undecided. A. Garland, Des-plaines, H. C. Wendland, Elmhurst, and H. Yepson, Evanston, were nominated for membership. Vice-President Philpott who is also president of the Canadian Horticultural Association, cordially invited all members to attend the meeting of the association at St. Catharines, Ont., August 10-12. St. Catharines is within 12 miles of Niagara Falls.

### NOTES.

Frederick W. Woick and his son Max, 4801-19 S. Robey street, have finished planting. Business has been exceptionally good, they having completely cleaned out their stock and are now looking for plants themselves. S. A. Nutt is the best seller in geraniums with them. Mr. Woick says they are troubled with their plants, the leaves often turning yellow in a single night. The only way he can account for this is that the gas which accompanies the smoke from the locomotives passes through the ventilators and causes the leaves to turn although the flower is not affected. The white fly has been bothering them for some time past but they have lately used hydrocyanic acid gas to get rid of it. Six ounces of water is put in a stone jar and to this is added six ounces of sulphuric acid; three ounces cyanide of potassium in a paper sack is then dropped into this mixture and left to stand in the houses over night. The gas kills every fly in the greenhouse but seems to have no effect on the mealy bug. Great care should be used in preparing this mixture and the minute the cyanide is dropped in every one should leave the house. Mr. Woick stated that after the mixture is used the doors are locked to prevent any one from entering and are not opened until the next morning. Max returned on Monday from Paw Paw Lake, Michigan, where he spent the past week visiting.

Harry Philpott of Winnipeg, Man., has been in the city during the week attending the Florists' Club meeting and banquet as vice-president. Mr.

Philpott is enroute to various eastern Canadian points and will attend the convention of the Canadian Horticultural Association, of which he is president, before he returns. This will be held at St. Catharines, Ont., August 10-12. He will be away altogether about two months and is endeavoring to work up an interest in the trade exhibition of the Canadian society. A few more members of the caliber of Harry Philpott, who takes the trouble to come from Winnipeg for every meeting of the club, would be a good thing. At least it could not then be said that they showed a lack of interest.

James Hain, 2150 West Fifty-first place, reports having done a very good business in the bedding plant line this year. Last week he sold 500 geraniums to the Bohemian National Cemetery Association. Mr. Hain wholesales about one-half of his stock and retails the remainder. His stock this year consisted of about 15,000 plants. Owing to his place being near the railroad he is unable to grow anything in the cut flower line for the flowers become black with smoke and are not in any condition to be put upon the market. New benches and pipes will be put in and the houses painted this summer.

James C. Curran is busy painting his store at 2909 Archer avenue. On Friday he received an order for a design  $2\frac{1}{2} \times 3\frac{1}{2}$  feet; the base was of white carnations and roses. Killarney roses and cypas leaves were used for the border. The design was ordered by a number of doctors and was delivered to 1833 West Thirty-fifth street where the funeral of Dr. L. C. Stoefflaas was held Sunday, July 10. Across the design in purple chenille were inscribed the lines "From his associates. In memoriam to Dr. L. C. Stoefflaas." Outside of the funeral and wedding work business is very quiet.

E. C. Amling has been showing some elegant gypsophila and other hardy plants. Business he says cannot be described as rushing just now and he is giving his help the benefit of the slack time, several of them taking their vacations. Max Awizzus and Ed. Meisselbach are away at present.

Kohout & Merker of the Lawndale Floral Co., 3212 W. Twenty-second street, report business as rather quiet. Ferns will be grown in their houses, now empty. Mr. Kohout has charge of the store and Mr. Merker takes care of the outside work, which consists mostly of landscape gardening.

Ed. Enders, of the Chas. A. Samuelson store, Michigan avenue, left Saturday evening for northern Michigan on a two weeks' fishing trip. Miss Laura White, bookkeeper for the same firm, also left on Saturday night for Denver on a vacation trip.

Edward Eisner, 5523 South Halsted street, had 40 wedding bouquets during June but business is very quiet now. Mr. Eisner spent Saturday and Sunday at Watervliet, Mich., visiting friends and relatives.

H. C. Irish, of the St. Louis Botanic Garden, was a visitor last week, returning with his daughter from a vacation trip to his old home in Rock county, Wisconsin.

John Schoepfle, wife and daughter sailed on the S. S. Potsdam July 12 for a visit to his old home in Baden, the first time in 25 years.

Bassett & Washburn's baseball team desires to arrange dates with other teams for Sunday afternoons. Address Joseph Aohout, Hinsdale.

Visitors: Arthur Schwerin of the Burlington Willow Ware Shop, Burlington, Ia.; H. A. Philpott, Winnipeg, Man.; Geo. Crabb of Crabb & Hunter, Grand Rapids, Mich.; Hubert Morton, Los Angeles, Calif.; E. A. Crooks, Benton Harbor, Mich.; John E. Lapes, Cedar Rapids, Ia.; N. Jarrett, Kansas City, Mo.; Arthur H. Luck, Beatrice, Neb.; Joel Thomas, Fitzgerald, Ga.; Elmer E. Boynton, Syracuse; J. H. Chilson, Sioux City, Ia.

### Excursion Rates to Chicago.

Vaughan's Seed Store, a member of the Chicago association of commerce, calls attention to the fact that round trip excursion rates are in force from most points between the Ohio river and the Mississippi river to Chicago, return limit October 21.

First meeting dates for buying tickets July 16 to July 27.

Second meeting dates for buying tickets July 30 to August 5.

Third meeting dates for buying tickets August 27 to September 2.

Fourth meeting dates for buying tickets September 10 to September 16.

Florists through the west will do well to cut this out and plan their Chicago trips accordingly.

### To Be Done Now.

#### IN THE GREENHOUSES.

A light shade is needed now over almost everything except chrysanthemums and some varieties of roses.

Easter lilies just advancing for bloom should be fed with liquid manure, changing to clear water when the buds are well formed.

A shade on the houses in which carnation benches are being emptied and refilled will enable the help to work in far more comfort and to greater advantage than under the direct rays of the sun.

Now that the fronds on Adiantum cuneatum are getting heavy and well developed great care is necessary in spraying and it is easy to overdo it.

Roses recently cut back, taken up and re-planted must be judiciously watered at the roots but plentifully sprayed overhead.

Carbon bisulphide is death to snails and other insects in the benches if a few drops of the liquid is placed in holes about one foot apart all over the benches. It needs care in use as it is poisonous and explosive.

Place all the callas outside now in order to give them a good rest before starting up again.



# Cut Flowers \* \* \* E. H. HUNT

FOR ALL OCCASIONS.  
FLORISTS' SUPPLIES TOO.

— SEND FOR PRICE LIST. —  
76 Wabash Avenue, CHICAGO.

## KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., Chicago  
L. D. Phone, Central 466.

We will have anything in the line of  
**CUT FLOWERS and GREENS**  
that you may want if anybody has it at  
Chicago market prices on day of shipment.  
*Mention the American Florist when writing*

## A. L. Randall Co.

19-21 Randolph St.,  
CHICAGO.

L. D. Phone Central 1496. Private Exchange  
All Departments. If you do not receive our  
price list regularly send for it.  
*Mention the American Florist when writing*

## J. B. DEAMUD CO.

Wholesale Cut Flowers

51 Wabash Ave., CHICAGO  
Long Distance Phone Central 3155.

*Mention the American Florist when writing*

### Chinese Red Tuberoses.

PRODUCED BY ARTIFICIAL MEANS.

In regard to the allegation, published in the United States some time since, that the Chinese florists of Tientsin grow tuberoses of a red color, and perhaps of other shades, Consul-General Samuel S. Knabenshue makes the following report:

Some time since, this consulate received a letter from a florist in the United States, inclosing a sum of money, with the request that he be furnished with its value in red tuberoses bulbs. He stated that he had been informed by a gentleman who had traveled in China that he had seen red tuberoses grown by native florists in Tientsin.

Inquiry was made of a German florist here, a resident for many years, who stated that there is no natural red tuberoses, but that the flowers are artificially colored. As the tuberoses of the ordinary white variety is near flowering, the flower stalks are cut off close to the ground and are placed in water in which is dissolved a red earth, of whose composition he is ignorant. The coloring matter is drawn up into the flowers, tinting them red—the first that appear being very slightly tinged, but the color becoming more pronounced in those which open later. He also stated that the red color can be produced in this way by using aniline colors, not only red, but any other aniline color which may be desired. Native gardeners, however, insisted that natural red tuberoses were grown, but declined to sell bulbs of the al-

## J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and  
Carnations  
A Specialty.....

WHOLESALE  
GROWER OF

## CUT FLOWERS

## E. C. AMLING

THE LARGEST,  
BEST EQUIPPED,  
MOST CENTRALLY LOCATED  
WHOLESALE  
CUT FLOWER HOUSE  
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,  
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

## Wholesale Flower Markets

| CHICAGO, July 13.               |       |            |
|---------------------------------|-------|------------|
| Roses, Beauty, extra select.... | 3 00  |            |
| " " specials.....               | 2 50  |            |
| " " 36 in.....                  | 2 00  |            |
| " " 30 in.....                  | 1 50  |            |
| " " 18 in.....                  | 1 25  |            |
| " " 15 in.....                  | 1 00  |            |
| " " Short.....                  | 50@   | 75         |
| Per 100                         |       |            |
| " Bride, Bridesmaid, select..   | 3 00@ | 6 00       |
| " " medium.....                 | 2 00@ | 2 50       |
| " Killarney, select.....        | 3 00@ | 6 00       |
| " " medium and short.....       | 2 00@ | 2 50       |
| " Kaiserin.....                 | 3 00@ | 8 00       |
| " Mrs. Jardine.....             | 3 00@ | 6 00       |
| " Chateaufort.....              | 2 00@ | 6 00       |
| " My Maryland.....              | 2 00@ | 6 00       |
| " Perle.....                    | 2 00@ | 6 00       |
| " Richmond.....                 | 3 00@ | 6 00       |
| " Uncle John.....               | 3 00@ | 6 00       |
| " White Killarney, select....   | 4 00@ | 6 00       |
| " " medium.....                 | 2 00@ | 3 00       |
| Carnations, select fancy.....   | 1 50@ | 2 00       |
| Cattleyas.....per doz.,         | 4 00@ | 6 00       |
| Lilium Harrisii.....per doz.,   | 2 00@ | 8 00@10 00 |
| Lily of the Valley.....         | 2 00@ | 4 00       |
| Mexican Ivy.....                | 75@   | 1 00       |
| Peonies.....per doz.,           | 25@   | 50         |
| Sweet Peas.....                 | 50@   | 1 00       |
| Adiantum.....per 100,           | 75@   | 1 50       |
| Asparagus Plum, strings, each,  | 60@   | 75         |
| " " sprays.....                 | 3 00@ | 4 00       |
| " Sprengeri.....                | 3 00@ | 4 00       |
| Ferns.....per 1000,             | 2 00  |            |
| Smilax.....                     | 1 50@ | 2 00       |

leged red variety with a guarantee that the bulbs would produce red flowers, the payment to be withheld until the bulbs were tested.

Finally a native gardener admitted that these are bulbs of the ordinary white tuberoses, reared in ordinary flower-pots in this way: The opening in the bottom of the pot is closed with a cork; the pot is filled with earth mixed to a mud with water in which the coloring matter has been dissolved; the bulbs are planted in this after a number of small incisions have been made in the lower half of the bulb above the roots; a thin covering of uncolored earth is placed over the earth in the pot to conceal the colored portion below; and the plant is sup-

## WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.



## HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.  
Store: 51 Wabash Avenue CHICAGO

## Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO  
Telephone, Central 3284.

## Quality Counts..

Let us have your next order for

**Roses and Carnations**

and other Seasonable Flowers.

**JOHN KRUCHTEN,**

51 Wabash Ave., CHICAGO.

W. P. KYLE JOSEPH FOERSTER

## Kyle & Foerster,

WHOLESALE FLORISTS

51 Wabash Ave., CHICAGO.

Long Distance Phone, Randolph 3619.

plied with water in which the coloring matter has been dissolved. The resulting flowers have the tint of the coloring matter used.

BROOKLYN, N. Y.—Fire which did damage to the amount of \$500 was caused by fireworks thrown by small boys July 4, into the store of Henry R. Crawbuck, 370 Pearl street. An alarm of fire was given in the Royal theater close by but fortunately no one was seriously injured.



## American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

## Rice Brothers

Wholesale Florists and Supplies,

115 N. 6th St., MINNEAPOLIS, MINN.

Cut Flowers received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities

Mention the American Florist when writing

## THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

## William Murphy,

Wholesale Commission

FLORIST

11 Main Street,

CINCINNATI, OHIO.

Buffalo.

TRADE QUIET.

Summer quietness and heat are what we have had the past week, consequently trade has been quiet as a whole and all are being affected with that tired feeling so common in the summer months. One season seems to be enough for the retailers to close their stores early; last season was the one. Again you can get flowers, peanuts, cigars and other luxuries in the warm summer evenings.

### NOTES

There was a meeting of the Florists' Club July 5. The usual number of regulars were present, and considerable business was agitated and some was fairly started, namely picnic matters and the bowling club to Rochester fall flower show. Hall plans were submitted and enthusiastic support given by those there, but unfortunately those most interested and comprising the committee were absent. We know it is summer and the weather is warm. In about two months it will be too late to do anything this year and the committee will put it off another year. They are getting up an appropriate sign, "Buffalo Means Business" (It will not be worked up in flowers).

July was always a month for the florists. This year is no exception and the florists' weddings are in order. First is Jerome Deutscher, who is first assistant at the W. F. Kasting Co. and financial secretary of the Florists' Club, and while enthused with the honor of holding office thought he could hold the heart of Miss Gertrude Neselbusch. Edward Stephan, who has charge of S. A. Anderson's receiving and shipping department, has also embarked on the sea of matrimony and was married to Miss Lulu Fritz. Thus two young ladies have taken two of the Beau Brummels in the down-town district. The best wishes of all are with the newly-weds.

The early fall will see a new wholesale house. F. S. Good, who has been with S. A. Anderson, has formed a partnership with Harvey Halliday, who

## Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

## HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

## Wholesale Flower Markets

| BOSTON, July 13.         |    | Per 100  |
|--------------------------|----|----------|
| Roses, Beauty, best      | 20 | 00@25 00 |
| " " medium               | 15 | 00@20 00 |
| " " culls                | 5  | 00@10 00 |
| " " Bride, Bridesmaid    | 1  | 00@4 00  |
| " " Extra                | 5  | 00@8 00  |
| " Killarney and Richmond | 1  | 00@6 00  |
| " My Maryland            | 1  | 00@8 00  |
| " Carnot                 | 2  | 00@12 00 |
| Carnations, select       | 75 | @1 00    |
| " fancy                  | 1  | 00@2 00  |
| Callas                   | 8  | 00@10 00 |
| Cattleyas                | 35 | 00@50 00 |
| Lilium Longiflorum       | 6  | 00@8 00  |
| Lily of the Valley       | 2  | 00@4 00  |
| Smilax                   | 12 | 00@16 00 |

| ST. LOUIS, July 13.      |    |          |
|--------------------------|----|----------|
| Roses, Beauty long stems | 15 | 00@20 00 |
| " " medium stems         | 8  | 00@10 00 |
| " " short stems          | 2  | 00@4 00  |
| " " Bride, Bridesmaid    | 2  | 00@5 00  |
| " Killarney              | 3  | 00@5 00  |
| " My Maryland            | 3  | 00@5 00  |
| " Richmond               | 3  | 00@6 00  |
| Carnations               | 1  | 00@1 50  |
| " fancy                  | 1  | 00@2 00  |
| Callas                   | 8  | 00@10 00 |
| Easter Lilies            | 6  | 00@1 00  |
| Sweet Peas               | 20 | @1 50    |
| Adiantum                 | 1  | 00@1 50  |
| Asparagus Sprengeri      | 2  | 00@3 00  |
| Smilax                   | 12 | 50@15 00 |

| CINCINNATI, July 13           |    |          |
|-------------------------------|----|----------|
| Roses, Beauty                 | 1  | 00@3 00  |
| " " Bride, Bridesmaid         | 2  | 00@6 00  |
| " " Golden Gate               | 2  | 00@6 00  |
| " Killarney                   | 2  | 00@6 00  |
| " Richmond                    | 2  | 00@6 00  |
| Carnations                    | 1  | 00@2 00  |
| Callas                        | 10 | @10 00   |
| Daisies                       | 50 | @50 00   |
| Lilium Longiflorum            | 10 | 00@12 50 |
| Lily of the Valley            | 3  | 00@4 00  |
| Sweet Peas                    | 20 | @1 50    |
| Adiantum                      | 1  | 00@1 50  |
| Asparagus Sprengeri, per bch. | 25 | @25 00   |
| Smilax                        | 12 | 50@15 00 |
| Gladiola                      | 3  | 00@4 00  |

| MILWAUKEE, July 13.        |    |          |
|----------------------------|----|----------|
| Roses, Beauty, per doz.    | 50 | @3 00    |
| " " Bride Bridesmaid       | 3  | 00@8 00  |
| " " Killarney              | 3  | 00@8 00  |
| " " Richmond               | 3  | 00@8 00  |
| Carnations                 | 1  | 00@3 00  |
| Lilium Giganteum, per doz. | 1  | 50@10 00 |
| Lily of the Valley         | 3  | 00@4 00  |
| Magnolia                   | 35 | @35 00   |
| Snapdragon                 | 3  | 00@6 00  |
| Sweet Peas                 | 25 | @50 00   |
| Adiantum                   | 1  | 50@1 50  |
| Asparagus                  | 50 | @60 00   |
| " Plumosus, per bunch      | 35 | @50 00   |
| " Sprengeri                | 35 | @35 00   |
| Boxwood                    | 1  | 50@1 50  |
| Kerns, Fancy               | 1  | 50@1 50  |
| Galax                      | 1  | 50@20 00 |
| Smilax                     | 1  | 50@1 50  |

is now in one of our banks. They will open on or before September 1 at 74 East Genesee street with a good supply of flowers, making a specialty of orchids, lily of the valley and gardenias. The best wishes of all are with the young men and they assure the trade of a supply of flowers from some growers who have never sent here and from several local growers of fine stock.

Max Grohman, who is with Henry Weber at Main and Amherst streets, after working in Nahant, Mass.,

## J.M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES  
SEEDS and BULBS.

Price List on application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Mention the American Florist when writing

## H. G. BERNING,

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

Mention the American Florist when writing

## C. A. KUEHN

Wholesale Florist

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

## WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Both L. D. Phones. Supplies and Everything in Season always on hand

thought that the attractions of this city were far superior to those east and as Anna Miller was "the one" he returned married and expects to remain with us. Best wishes to Max and Mrs. Max.

Charles Sandiford, gardener to J. J. Albright, will be missed at Rochester, as he will be in Europe enjoying a well-earned rest at that time and looking up something for that beautiful place that he has charge of.

Captain Neubeck, of the Florists' bowling club, will start regular practice nights from now until the Rochester convention.

BISON.

JAMESTOWN, N. J.—Lawrence Cotter, of the Lakeview Rose Gardens, has the sympathy of the trade in the loss of his youngest son, Lawrence, aged four years and eight months, who died of congestion of the lungs July 4.



# BRONZE GALAX \$1.00 per 1000 \$7.50 per case

An important item every retail florist uses. You will always find OUR GALAX the best in quality. Be convinced of the good value we can give you in GALAX by placing YOUR NEXT ORDER WITH US.

THE LEO NIESSEN CO., Business Hours: 7 a. m. to 6 p. m. Wholesale Florists, 1209 Arch Street, Philadelphia, Pa.

# Ferns, \$1 Per 1000

The finest ferns ever shown on this market. Special rates on regular orders or contracts. Save 30 to 100% by buying your ferns from us.

**The McCallum Co. Inc.**  
PITTSBURG, PA.

## Philadelphia.

### BUSINESS DULL.

"Nothing doing" is generally the answer to the morning calls from the wholesale houses these July days, and while this is not exactly true, it about sizes up the situation. There is the usual summer business, a little in the morning, and in the afternoon a look at the game now and then if the team is at home. The stock of flowers is quite up to the summer standard. Fair Beauties, good My Maryland, bright colored Killarney, a medium grade of white roses and very poor Richmonds. Carnations are in very poor shape and will be so until the new crops arrive. Gladioli are asserting themselves and some very fine stock is offered, notably America, which was never seen better in this market. Early asters are in but are not much to speak of as yet. Sweet peas form an important part of the assortment; the growers appear to have outdone themselves this year, the stock being superb. The copious rains of the past month have helped them very materially. Orchids are fairly plentiful, a few hours' notice generally bringing them in quantity. There are still a few cold storage peonies that are great for decorative work.

### FLORISTS' CLUB MEETING.

The July meeting of the Florists' Club, moved over one week on account of the "Glorious Fourth," was fairly well attended. Mr. Westcott reported for the transportation committee that the carfare to Rochester was the same on both roads from this city, \$8.37 one way. The feature of the meeting of the club was the great enthusiasm stirred up by the address of Mr. Manda, whose subject was: "Is Our Calling a Trade or a Profession?" There was no question as to his idea before he had got very far along, for he believed the labor to be one far removed from trade, to be equal, in fact superior, to many tricks of human effort that are called professions, such as medicine or the law, as these in most cases lived on our misfortunes in health or business, while the results sought by men of our profession was always uplifting. Flowers were used to carry sentiments for all the joyous periods of our lives and to voice our sorrows at the last. The surroundings of the home and of the city of which the home was often a part, was greatly enhanced by the work of the landscape gardener or architect whose work is one of the important branches of the profession. His thought was of the uplifting influences of the entire work or profession from the growing or perfecting of one kind of flower, thus creating a

## Wholesale Flower Markets

| PHILADELPHIA, July 13.    | Per 100     |
|---------------------------|-------------|
| Roses, Beauty, extra..... | 20 00@25 00 |
| first.....                | 10 00@15 00 |
| Brides and Maids.....     | 4 00@ 6 00  |
| Tea.....                  | 4 00@ 6 00  |
| extra.....                | 6 00@ 8 00  |
| Carnations.....           | 2 00@ 3 00  |
| Cattleyas.....            | 40 00@50 00 |
| Gladioli.....             | 3 00@ 8 00  |
| Lilium Harrisii.....      | 8 00@10 00  |
| Lily of the Valley.....   | 4 00@ 5 00  |
| Snapdragons.....          | 4 00@ 8 00  |
| Sweet Peas.....           | 50 @ 75     |
| Water Lilies.....         | 2 00@ 6 00  |
| Adiantum.....             | 75 @ 1 00   |
| Asparagus..... per bunch  | 50          |
| Smilax.....               | 15 00@20 00 |

| PITTSBURG, July 13.             | Per 100     |
|---------------------------------|-------------|
| Roses, Beauty, special.....     | 12 00@15 00 |
| extra.....                      | 8 00@12 00  |
| No. 1.....                      | 4 00@ 6 00  |
| Bride, Bridesmaid.....          | 1 00@ 4 00  |
| Chatenay.....                   | 1 00@ 4 00  |
| Killarney.....                  | 1 00@ 4 00  |
| My Maryland.....                | 1 00@ 4 00  |
| Richmond.....                   | 1 00@ 4 00  |
| Carnations.....                 | 1 00@ 2 00  |
| Gladioli.....                   | 4 00@ 8 00  |
| Lilium Longiflorum.....         | 6 00        |
| Lily of the Valley.....         | 3 00@ 4 00  |
| Pansies.....                    | 50 @ 1 00   |
| Peonies.....                    | 3 00@ 6 00  |
| Primroses.....                  | 50 @ 75     |
| Sweet Peas.....                 | 25 @ 50     |
| Adiantum.....                   | 1 50        |
| Asparagus Sprengeri, per bunch, | 50          |
| strings...per string,           | 50          |
| sprays...per bunch,             | 50          |
| Smilax.....                     | 15 00       |

love for it on account of its excellence, up through the various branches to the great achievements of the gardeners and landscape artists who carry out the wishes of the owners of large estates, who furnish unlimited sums and care not for expense when there is not much returned. Show what can be done, produce great results, and the people, rich and poor alike, will be found willing to take the things offered and look for more. Every effort to elevate the profession should be put forth. We are always learning. There were many beautiful places, but no two were alike. No two men had exactly the same thought. Many men, private gardeners, were underpaid, but if they persisted intelligently they would win out. It is too bad Mr. Manda's remarks were not put on paper as there was so much that was good that should have been read by all. Messrs. Thilow, Niessen, Farenwald, Hahman, Rust, Heacock, Pennock and others took part in the discussion that followed. We do not remember a subject that has been received with so much interest for a long time as this of Mr. Manda.

### NOTES.

The Leo Niessen Co. say that the principal reason for the contemplated move one block further north is that they have outgrown their present quar-

## Pittsburg Florists' Exchange, CATTLEYAS

### A SPECIALTY

Home grown Cattleyas a specialty. This stock is much superior to that shipped from other points, and we can furnish you absolutely fresh Orchids at any time at reasonable prices.

Gladioli, Peonies, Roses, Beauties, Carnations, Sweet Peas.

All Seasonable Flowers at the Right Price.

Green and Bronze Galax 65c per 1000

15 Diamond Square, PITTSBURG, PA.

Mention the American Florist when writing

## Pittsburgh Cut Flower Company

WHOLESALE GROWERS

222 Oliver Ave., PITTSBURG, PA.

Mention the American Florist when writing

ters, large as these seemed to be, but three years ago. At the new place they will have three fronts, one of 100 feet and two of 60 feet each. Mr. Niessen says it will impose a little more caution on their growers for, as all their flowers will be shown in strong daylight, they must needs be without blemish. Winsor carnations and rose plants for forcing, all staple stock for growers, are to be seen here in quantity.

The Joseph Heacock Co. completed on July 9 the planting of the large house at Roelofs. Sixteen thousand roses were used, 13,000 of White Killarney and Killarney in equal quantities and 3,000 Richmonds. There should be some great stock cut from this place the coming season. Everything about the plant is new, while the old ambition to produce the best is always present and with the opportunity afforded records will surely fly.

Edward Reid spent several days last week in his Packard car amongst the show places of the summer resorts of New Jersey. A trip to the convention at Rochester by the autocar is also contemplated. After five years of service Mr. Reid is getting more out of his car than ever and finds it almost indispensable to him in his business.

Geo. A. Strohle of Dreer's is off on his annual summer tour to Europe, sailing on July 7. He will look over the novelties and make selections for the large azalea importation, which is a feature of the fall business at River-ton.

K.



## New York.

## TRADE AT ITS WORST

The business of the past week was very bad. Nobody in the trade can remember a time when flowers were so cheap and when so much good stock was thrown away. There has been a surplus of everything, roses, carnations, lilies, sweet peas and various other stocks, are all in the same boat. Orchids are not so plentiful but there is little demand, consequently they are about as slow as other stocks. One leading wholesaler figured up at the end of the week that he had received over 26,000 lilies during the week. Other dealers received large consignments and prices ranged from one to two cents per flower. Probably a few very special American Beauty roses sold for 15 and 20 cents each, but there was an immense surplus of inferior stock that went for a song. The best carnations, when fresh, sold for 75 cents per 100 and prices ranged from that down to the dump cart. There is nothing to say about sweet peas, unless it is that there are indications of a drought which may reduce the supply. The tea roses and all other stocks are going at the prices the buyers offer, which in reality are not prices but merely a form which obviates the necessity of getting stock for nothing.

## NOTES

Herman Kretschamer, uncle of A. H. Langjahr, an old time florist of Brooklyn, sailed on July 9, accompanied by his wife, son and daughter, on the steamer Vaderland of the Red Star line for Southampton. The party will spend the entire summer and autumn on the other side, visiting England, Ireland, Scotland, Germany, Holland, Switzerland and Egypt. Mr. Kretschamer stated before starting that he was going to Scotland to verify some of the stories which his friend, John Birnie, has told him about the land of the Leas. In Ireland, he said he intended to kiss the Blarney stone for his old friend, Peter Mallon, of Brooklyn. Peter left Ireland when he was a baby and cannot remember much about it, so Mr. Kretschamer is going to visit his birthplace and find out if they have missed him much since he left.

The Erkins Co., manufacturer and dealer in garden decorations, at 305 Madison avenue, has made an assignment to Timothy F. Fay, and a petition in bankruptcy has been filed

against it. The business was started in 1902 by Henry Erkins and this company succeeded to it in September 1907; but it is said Mr. Erkins was not interested in this company. It was incorporated with a capital stock of \$75,000, which was increased to \$100,000 in February, 1909, but it never had any rating at Bradstreet's.

The outing of the New York and New Jersey Plant Growers Association was held at Lake Hopatcong, N. J., July 7. About 75 persons attended and it was a very enjoyable event. There was bowling, boating on the lake and various other amusements. A noteworthy feature was the excursion on the lake of Philip Einsman, John Donaldson and C. W. Scott, Mr. Einsman rowing the boat and paying all charges.

A dividend of 10 per cent, payable July 16, has been declared by the directors of the New York Cut Flower Exchange. While the exchange people do not make as much noise as some others do, they seem to arrive.

The death is reported of John J. Seifert, for many years a grower at Ravenswood, Long Island City. He was a stockholder in the New York Cut Flower Exchange.

While the drought has not as yet had any appreciable effect on market conditions, if it continues its influence will soon be felt.

George Golsner and wife and John Miller and wife are expected home from Europe about August 2.

## Cleveland.

There is not much activity in the flower markets these days, the weather being very warm. All the stock shows the effects of the heat. Water lilies are selling quickly, being used for all purposes—table decorations or funerals, etc. Sweet peas are having a little better call. Asters and outdoor gladiola are expected in very soon now. Greens of all kinds are overplentiful. Gypsophilum meets with a fair demand.

There have been several inquiries by ladies who are in the floral business regarding the convention. They will be very welcome, and will be well taken care of. All florists are urged to bring their wives and make this year a better showing than ever before.

The Cleveland Florists' Exchange is remodeling its office so as to give much needed floor space and counter room.

## Greek-American Florists' Ass'n Outing.

The fourth annual outing of the Greek-American Florists' Association of New York was held at Witzel's Point View Grove, L. I., on Thursday, July 7. It was the most successful event of the kind ever held by the association, which from the first has been noted for the successful management of its outings. About 600 persons were present, including many florists who are not members of the association. Much credit is due Geo. D. Nicholas, the very clever president, and his efficient committees. The baseball game was between teams of Greeks and Americans. Wm. A. Hanft, the well-known designer for Young & Nugent, being the umpire. On the arrival at the grove of the steamer Isabelle, breakfast was served, after which the games and other sports were in order. Before the return trip for the city, there was a substantial dinner. Many Americans who attended speak highly of the arrangements. The results of the various events follow:

Girls' race, five to seven years, 25 yards—Miss L. Pullits, first.  
Girls' race, eight to ten years, 50 yards—Miss B. Siegel, first.  
Boys' race, five to seven years, 35 yards—Polykranas, first.  
Boys' race, eight to ten years, 75 yards—Karo, first.  
Young girls' race, twelve to fifteen years, 100 yards—Lyberion, first.  
Young men's race, thirteen to fifteen years, 200 yards—Hepner, first.  
Young ladies' race, sixteen to twenty-two years, 160 yards—Hoebel, first; Bromer, second.  
Unmarried ladies' race, 160 yards—Harocopeos, first; Cardasis, second.  
Young men's race, sixteen to twenty years, 440 yards—Barezeros, first; Crosby, second.  
Men's race, two miles—Ruth, first; Rigo, second; Zerecos, third.  
Sack race, 50 yards—Shaeson, first.  
Potato race, 50 yards—Hepner, first.  
Fat men's race, 150 yards—Jones, first; Jacobs, second.  
Baseball, Greek-American vs. American team—Greek-American captain, G. Mitras; W. H. Hanft, American captain; H. Rickerts, umpire.  
Score: Americans, 7; Greek-Americans, 4.  
Discus throwing—Rovatos, first; Georgopolis, second.  
Plain jumping—Georgopolis, first; Zervacos, second.  
Bowling—A. J. Guttman, first; Connor, second.

SPRINGFIELD, O.—Opha Jackson returned, July 5, from a business trip through the east.

MAYNARD, MASS.—A new greenhouse is being erected for Albert Bayley & Son, 50x135 feet. It will be equipped with all the latest improvements.



OUTING OF THE GREEK-AMERICAN FLORISTS' ASSOCIATION, JULY 7.

The Greek Team, G. Mitris, Captain.

The American Team H. Reicherts, Captain.



# Young & Nugent,

Telephone 2065-2066 Madison Square.

42 West 28th Street,

To out-of-town florists

We are in the Heart of

## New York

And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

# Trade Directory

— OF THE —

UNITED STATES AND CANADA.

PRICE \$3.00. POSTPAID.

American Florist Co., 324 Dearborn St., Chicago

# Traendly & Schenck,

WHOLESALE FLORISTS,

131 & 133 WEST 28th ST  
Phones: 798 and 799.

NEW YORK

**Alexander J. Guttman,**  
**THE WHOLESALE FLORIST OF NEW YORK**  
**34 WEST 28th STREET,**  
**PHONES, 1664-1665 MADISON SQUARE**  
**ENOUGH SAID.**

# J. K. ALLEN,

Commission Dealer in Cut Flowers,

106 West 28th Street, Near 6th Ave. Elevated Station, NEW YORK

Established 1887.

Consignments of Cut Flowers handled to best advantage. Your business relations always appreciated.  
Prompt returns. Weekly payments to all shippers.

Telephone 167-4468 Madison Square.

Open at 6 a. m. every day



Give us a Trial We can Please you.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

**WM. F. KASTING CO.** Wholesale Florists.  
BUFFALO, N. Y.  
Florists' Supplies and Wire Designs.

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# August Millang

WHOLESALE FLORIST

41 W. 28th St., NEW YORK

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# N.Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.

Open for Cut Flower Sales at 6 o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

**V. S. DORVAL, Secretary.**

— FLOWERS SHIPPED BY —

# P. J. SMITH,

Are the best product of the best growers for the New York market.

Adiantum Croweanum sold here exclusively.

49 West 28th St., NEW YORK

Telephone 1998 Madison Square.

SALT LAKE CITY, UTAH.—The season's work in the florist trade here this spring was not up to that of 1909. Our people bought too many autos which had to be paid for and there was less money left for flowers and plants.

# Wholesale Flower Markets

NEW YORK, July 6.

|                                        |             |
|----------------------------------------|-------------|
| Roses, Beauty, special.....            | 15 00@20 00 |
| extra and fancy.....                   | 3 00@ 5 00  |
| No. 1 and No. 2.....                   | 50@ 2 00    |
| Bride, Bridesmaid, special. 2 00@ 3 00 |             |
| extra and fancy.....                   | 5 00@ 7 50  |
| Killarney, special.....                | 2 00@ 3 00  |
| extra and fancy.....                   | 7 50@ 1 00  |
| No. 1 and No. 2.....                   | 25@ 50      |
| My Maryland.....                       | 2 00@ 3 00  |
| Carnations.....                        | 25@ 75      |
| Cattleyas.....                         | 25 00@40 00 |
| Gardenias... per doz.....              | 25@ 50      |
| Gladiolus... per doz.....              | 25@ 75      |
| Lilium Longiflorum.....                | 1 00@ 2 00  |
| Lily of the Valley.....                | 1 00@ 2 00  |
| Sweet Peas... per doz. bunches         | 12@ 50      |

BUFFALO, July 13.

|                                |             |
|--------------------------------|-------------|
| Roses, Beauty, special.....    | 20 00@25 00 |
| fancy.....                     | 15 00@20 00 |
| extra.....                     | 10 00@15 00 |
| No. 1.....                     | 7 00@10 00  |
| No. 2.....                     | 2 00@ 4 00  |
| Bride, Maid, Killarney.....    | 2 00@ 6 00  |
| Kaiserin.....                  | 4 00@ 7 00  |
| Pres. Carnot.....              | 4 00@ 7 00  |
| Carnations.....                | 75@ 2 00    |
| Daisies.....                   | 50@ 1 00    |
| Lilium Longiflorum.....        | 8 00@12 00  |
| Lily of the Valley.....        | 3 00@ 4 00  |
| Sweet Peas... per bunch. 3c@5c |             |
| Adiantum Croweanum.....        | 1 25@ 1 50  |
| Asparagus Str.....             | 50@ 60      |
| Ferns..... per 1000. \$1 50    |             |
| Galax, green and bronze.....   | 1 50        |
| Smilax.....                    | 15 00       |

# ALFRED H. LANGJAHR

WHOLESALE FLORIST,

55 W. 28th Street, NEW YORK.

All flowers in season. Consignments of first-class stock solicited.

Phones 4626 and 4627 Madison Square.

# Gretsch & Ordenez Bros.

WHOLESALE FLORISTS

52 W. 28th St.,  
Telephone 3357 Mad. Sq. New York City

High Grade Orchids always on hand. We have room for good growers. Prompt and full returns.

For Reliable Stock

From Reliable Dealers

Keep Tab on Advs. in THE FLORIST.

# Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756  
Madison Square. NEW YORK.

Mention the American Florist when writing

# HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty. Roses, Violets, Carnations, Valley, Lilies, Etc.

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Telephones: 2200 and 2201 Madison Square

Mention the American Florist when writing

# Walter F. Sheridan

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

131 & 133 West 28th St., NEW YORK.

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# KESSLER BROS.

450 Sixth Ave., NEW YO  
CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everyw he re  
Prompt and satisfactory. Consignments solic it ed

# M. C. FORD

Successor to FORD BROS.

Receivers and Shippers of FRESH FLOWERS.

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Telephone 3870-3871 Madison Square



**George Cotsonas & Co.**Wholesale and Retail Dealers  
in all kinds of**Evergreens**Fancy and Dagger  
Ferns, Bronze and  
Green Galax, Holly,  
Leucothoe Sprays,  
Princess Pine Etc.We ship to all parts of United States and Canada.  
127 W. 28th St., bet. 6th & 7th Aves., New York  
Telephone 1202 Madison Square.

Perpetuated and Natural Sheet

**MOSES**

New Crop Ferns, Fancy and Daggers

NOW READY, Price \$1.25 per 1000.

E. A. BEAVEN,

Evergreen, Ala.

We Issue to Members a

**CREDIT LIST**

With Quarterly Supplements. The list now contains between 7,000 and 8,000 names. Membership fee, \$10.00 including privilege of obtaining unlimited number of commercial ratings at cost.

We also collect accounts at standard rates.

National Florists' Board of Trade, 56 Pine St. NEW YORK

**Boston.**

The business of the past week was very quiet. There were very heavy arrivals of roses, carnations, sweet peas and other stocks, in fact everything was plentiful and it was impossible to move all of it. There were no fixed prices, the great desire being to unload the stock. In the retail stores there was considerable funeral work which made up the largest part of the business. A leading retailer remarked that it has been his experience that the first two weeks in July are usually the duller weeks of the year. It therefore seems that business cannot get much worse. It is at least certain that the supply of carnations will soon greatly decrease on account of the throwing out of plants. Both the Park street markets will close at 12 o'clock noon on Saturdays during July and August.

**NOTES.**

W. C. Hastings, salesman for Nelson & Johnson in the old Park Street Market, has gone to Nantucket for a vacation. During his absence Samuel Buck takes his place. On leaving, his friends gave him lots of advice, such as, not to alight before the train stopped and not to swim in deep water.

Harry Schenck, an old time New York florist, at present with Sidney Hoffman in his State street store in this city, has just returned after spending a short vacation with relatives in New York, one of whom is his brother, Charles Schenck, of Traendly & Schenck.

Joseph White of W. E. Doyle's Beacon street store, starts this week to spend his vacation at Old Orchard, Me. He will go over the road on his bicycle, this being his fifth season of similar exercise.

Chas. Robinson is spending a month at Breton Woods, N. H. Thomas Pegler, who represents a number of well known growers in Park Street Market No. 1, is himself a grower and can talk interestingly on many features of the business.

There are prospects of a very large delegation from this city to the coming S. A. F. convention at Rochester. A number have signified their intention to be present who do not usually attend.

W. H. Elliott and family have taken up their residence for the summer at Medbury, N. H., but Mr. Elliott is frequently seen in the city.

Henry Penn and wife will sail this week for a two months' vacation in

**FANCY.****Henry M. Robinson & Co.**

Wholesale Commission Florists.

Cut Flowers of all kinds, Hardy Cut Evergreens and Florists' Supplies.

Dagger and Fancy Ferns, \$1 per 1000

Bronze and Green Galax .....\$1.00 per 1000; 8.50 per 10 000

Leucothoe Sprays .....\$1.00 per 100; \$7.50 per 1000

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays,

A large stock constantly on hand. Can fill orders at a moment's notice, Telephone or telegraph.  
Telephones: 2617-2618 Main; Fort Hill 25290.  
15 Province Street and 9 Chapman Place, **BOSTON, MASS.****DAGGER.****FANCY FERNS, \$1.25 per 1000**

New Crop Galax, Bronze or Green .....\$1.25 per 1000; 10,000, \$7.50

Sphagnum Moss, large bales .....\$1.25; 6 bales, \$7.00. Extra fine

Leucothoe Sprays, Green and Bronze .....\$1.00 per 100; \$7.50 per 1000

Boxwood .....per bunch, 35c; 50-pound case \$8.50

Log Moss, in barrels for hanging baskets .....\$2.00 per barrel

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

**MICHIGAN CUT FLOWER EXCHANGE, Inc**

Wholesale Commission Florists and Florists' Supplies,

38-40 Broadway,

All phone connections.

**DETROIT, MICH.**

Europe. They are taking a high-power automobile with them.

Chas. Boyle of Galvin's, who was in a hospital for some time with a severe attack of pleurisy, has recovered and is recruiting at Nantucket.

**The Late Thomas Clark.**

(See Obituary, Page 1191.)

Galvin is handling a noteworthy stock of blue hydrangeas, not to speak of the many other excellent features of the store.

J. J. McCormick of Malden was in the markets July 8. He is building a new carnation house 20x200 feet.

It is rumored that P. J. Donohoe of the Waban Conservatory salesrooms will soon become a benedict.

J. Margolis of H. M. Robinson & Co. has sailed for Europe on a business trip for his house.

David Welch, of Welch Bros., has gone to Europe for a well earned vacation.

Patrick Welch and family are at Old Orchard, Me.

SIoux CITY, IA.—The Chicago flower store was opened recently in the Mondamin block, and J. Freeburg is the manager.

**New Crop Ferns****FANCY and DAGGER ready May 1st.**

Special price for large orders

Price \$1.25 per 1000.

**CALDWELL THE WOODSMAN CO.,**  
**Evergreen, Alabama****Nashville, Tenn.**

Nothing like a drought has disturbed this section of the country. Instead, we have been visited by a prolonged rainy spell that boded no good to growers. Greater care than usual has been necessary to prevent plants from damping. Carnations are affected and fear is entertained that they may later develop disease. However, the growers are housing their winter stock and will watch results closely. The scarlet bedding geranium does not do well when there is so much rain, and plants have been affected not a little.

Geny Bros. report their stock in fine condition for the coming season. They have one house of American Beauty roses in fine condition, already some three or four feet high, with vigorous healthful growth and they will no doubt produce fine flowers next winter. These enterprising brothers have recently completed two new houses 30 x200 feet, made of cypress and iron. In these they have grafted roses of the finest and most popular varieties. They have also just finished a house for chrysanthemums 18x200 feet and a propagating house 200 feet long. All these additions have been made at their new place on the Morrow road. Their chrysanthemums are in fine shape for the earliest blooming. They are growing Jennie Nonin, Golden Eagle, Golden Wedding, Chadwick, Bergman, Ivory, Robertson, October Frost and some other varieties with which they will be abundantly able to supply their ever growing trade.

McIntyre Bros. have purchased 57 acres of land on the Tennessee Central railroad on the one side and the Lebanon turnpike on the other, and have already erected some houses on the property. They found their home place too small for their purposes, and it was growing too valuable as town lots, although very convenient for business, doing away with the necessity of an up-town store. They have always transacted all their business from the greenhouses with the exception of a stall in the market house.

M. C. D.



## DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

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Established in 1857.



739 Buckingham Place,  
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Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

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JULIUS BAER,

138-140 E. Fourth St.  
Long Distance Phone.

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J. B. BOLAND

Successor to Sievers and Boland  
**FLORIST**

60 KEARNEY STREET.

Kalamazoo and  
Battle Creek, Mich.

H. A. FISHER CO.

Wholesale and Retail Florists.

We Handle Everything in Season.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper  
care of your orders in Wisconsin.

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled  
promptly with the choicest stock.

## Northern Indiana Florists.

The Northern Indiana Florists' Association will hold its third annual meeting at Winona Lake, Warsaw, July 20. Election of officers will take place at this meeting. It is important that every member of the society be present. All florists in the northern part of the state are earnestly requested to attend and become members. This association is rapidly pushing to the front, having recently secured articles of incorporation, adopted new constitution and by-laws, and added a number of new names to the membership.

Winona Lake is one of the most beautiful resorts in the northwest, a delightful place to spend a few days. The florists of northern Indiana cannot afford to miss this opportunity of getting together for business and pleasure combined.

Washington,

D. C.

14th and H Streets.

Also

1601 Eutaw Place,

Baltimore, Md.

J. DAN BLACKSTONE

Alexander McConnell,

571 Fifth Ave., Windsor Arcade,

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Case address: ALEXCONNELL  
Western Union Code.



FROM NEW YORK EXCEPT AS NOTED.

July 19.

Pannonia Cunard, 12 noon, Piers 54 and 56,  
North River.  
New Amsterdam, Holl-Amer., 10 a. m., Hoboken Pier.  
Kronprinzessin Cecilie, N. Ger. Lloyd, 10 a. m., Hoboken Pier.  
FROM BOSTON, Saxonia, Cunard, 6 p. m., Cunard Wharf.

July 20

Lusitania, Cunard, 9 a. m., Piers 54 and 56,  
North River.  
Majestic, White Star, 9:30 a. m., Piers 60 and 61, North River.  
Pennsylvania, Ham-Amer., 9 a. m., Hoboken Pier.

July 21.

Calabria, Anchor, Pier 64, North River.  
La Lorraine, French, 10 a. m., Pier 42, North River.  
Madonna, Fabre, 1 p. m., Amity Dock.  
Bremen, N. Ger. Lloyd, 10 a. m., Hoboken Pier.  
FROM QUEBEC, Lake Manitoba, Can.-Pacific, 3:30 p. m.

July 22.

FROM MONTREAL, Victorian, Allan, 3:30 a. m.  
FROM BOSTON, Numidian, Allan, 9 a. m.  
FROM PHILADELPHIA, Manitou, 10 a. m.  
Chicago, French, Pier 84, North River.

July 23.

Columbia, Anchor, 9 a. m., Pier 64, North River.  
St. Paul, American, 10 a. m., Pier 62, North River.  
Carmanda, Cunard, 10 a. m., Piers 54 and 56, North River.  
Florida, French, Pier 84, North River.  
Kronland, Red Star, 11 a. m., Pier 59, North River.  
Cedric, White Star, 12 noon, Piers 60 and 61, North River.  
Cleveland, Ham-Amer., 9 a. m., Hoboken Pier.  
FROM MONTREAL, Hesperian, Allan.  
FROM PHILADELPHIA, Haverford, American, 10 a. m., Pier 54.  
FROM MONTREAL, Megantic, White Star, Daylight.

Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave  
Greenhouses: Short Hills, N. J.

Deliveries in

NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

Indianapolis, Ind.

Bertermann Bros. Co.

FLORISTS

.....241 Massachusetts Ave

Mention the American Florist when writing



WASHINGTON

D. C.

Gude's

Mention the American Florist when writing

Omaha, Neb.

Hess &amp; Swoboda

FLORISTS.

1415 Farnum St.

TELEPHONES

1501 and L 1583

Mention the American Florist when writing

Denver, Colo.

The Park  
...Floral Co.

J. A. VALENTINE, President.

Washington, D. C.

Geo. C. Shaffer,

::: FLORIST :::

Phone 2416 Main

14th &amp; Eye Sts., N. W.

Write, Telegraph or Telephone.

New York.

MYER, FLORIST, 609-611 Madison Ave.  
Phone 5297 Plaza.

DUNKIRK, N. Y.—A fire of unknown origin practically destroyed a large barn, wagon shed and two greenhouses on the farm of Mrs. C. Schrantz on the East Lake road July 1. The loss amounts to between \$3,000 and \$4,000.



# DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

**Kansas City, Mo.**

**Geo. M. Kellogg Flower and Plant Co.**  
906 GRAND AVE.

**KANSAS CITY and PLEASANT HILL, MO**  
Will fill all orders for Cut Flowers, Funerals, Designs, Wedding and Birthday Gifts that may be entrusted to them.

*Mention the American Florist when writing*

**Washington, D. C.**

**GEO. H. COOKE**  
FLORIST

Connecticut Avenue and L Street.

**Terre Haute, Ind.**

**John G. Heintz & Son,**  
129 South Seventh St.  
Telephone 247.

We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

**Pittsburg, Pa.**

**A. W. SMITH CO.**

KEENAN BLDG.

Largest Floral Establishment in America  
Established 1874. Incorporated 1909.

**Rochester, N. Y.**

**J.B. KELLER SONS,**

FLORISTS.

25 Clinton Avenue, N.

Rochester Phone 506. Long Dis. Bell Phone 1111

**St. Paul, Minn.**

**L. L. MAY & CO.**

Order your flowers for delivery  
in this section from the

**LEADING FLORISTS OF THE NORTHWEST.**

**Denver, Colo.**

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

**DANIELS & FISHER**

Order by mail, telephone, telegraph, or cable. Cable address "Daniels, Denver"

**Atlanta, Ga.**

**Atlanta Floral Co.**

41 Peachtree Street.

**Anderson, S. C.**

**THE ANDERSON FLORAL CO.**

583 MARSHALL AVE.

**MICHIGAN.** Orders will be carefully  
cared for by

**HENRY SMITH,**

Wholesale and Retail Florist of GRAND RAPIDS

**New York.**

Established 1874.

**DARDS**

N. E. Corner 44th St.  
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Baltimore.

We are spelling summer here now with the biggest sort of capital letters. The volatile mercury thinks nothing of flirting around the tender susceptibilities of the 95 degree mark, and the nights are almost as enervating as the days. The drought continues, except in restricted localities, a local shower in the city here on Sunday letting down six-tenths of an inch of water, whilst beyond the corporate limits there was not a drop, reversing the old aphorism that the rain falls equally on the just and unjust. Outdoor stock naturally is suffering, and in some dry soils and sunny exposures the need of moisture is greatly felt. Trade languishes, as is natural. There is the customary funeral demand and the supplies required for hospitals never ceases. This is a city of hospitals (as it is one of colleges and libraries) there being some 52 in operation. As a consequence, the requirements of flowers which go to the various hospitals as messengers of sympathy, hope and encouragement from friends and families of the afflicted, often thousands of miles away, makes an aggregate which would not be dreamed of by those who do not see the evidences of this ever expanding traffic.

Preparations are being made by those whose duty it is to exploit the productive capacity of our state to display at the great horticultural exhibitions which are to be held in the west during the summer and fall, examples of the fruits grown here. These will be gathered as they are in season and put in cold storage to await the dates of the exhibitions. There is much exultation over the capture last year at the shows at Vancouver and Council Bluffs of the prizes for apples by fruit sent from Maryland orchards, over those of the famous apple belts of the west and northwest. In size, beauty of appearance, high color, and especially in flavor, the Maryland products led all others. The adaptation of the soil and climate of our state to the production of apples is a good deal of a revelation to our own people. They always believed that the state was peculiarly the home of the peach, and her orchards for generations have been famous, but on the very lands where the luscious peach has ceased to be grown profitably, bearing orchards of apples have supplanted it, the shifting light sands of certain localities, formerly assumed to be absolutely unfitted for the apple and the pear, giving profitable evidence that they furnish the loams and the pabulum to bring forth both fruits in absolute perfection.

The semi-annual meeting of the Florists' Exchange was held July 11. The proceedings were formal and without public interest, except the statement,

**Cleveland, O.**

**The Cleveland Cut Flower Co.**

Will fill your orders for designs and cut flowers in  
**NORTHERN OHIO.**

*Mention the American Florist when writing*

**Dayton, O.**

**Matthews,**

—FLORIST—

16 W. 3rd Street.

Flowers in any arrangement for all occasions,  
for Dayton and vicinity. Long dis. Phones

*Mention the American Florist when writing*

**St. Paul, Minn.**

**HOLM & OLSON,**  
**ST. PAUL**

The Leading Florists of the Northwest

Orders will be well cared for anywhere in  
MINNESOTA AND THE DAKOTAS.

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**Los Angeles, Calif.**

**J. W. Wolfskill,**

FLORIST,

Telegraph Orders  
A Specialty,

218 W. 4th St.

**Toronto, Can.**

Canada's best known and most reliable florist

Only  
the  
Best  
**Dunlop's**  
96 Yonge Street.

We deliver anywhere in Canada and guarantee  
safe arrival.

**Pittsburg, Pa.**

**H. L. BLIND & BROS.,**

Two Stores: Liberty Av. & 5th St. 5424 Center Av.  
Greenhouses: West View.

heretofore referred to, of the growth of the business done by the establishment. The gains for the six months from January 1 to June 30 is about 20 per cent over the figures of last year, and the increase to the actual value of the corporation is nearly as large.

The Capital boys came over Saturday evening for a friendly bowling game between the two teams which are to represent Washington and this city at the convention in Rochester. As usual, the monumental city lads were left 'way behind. They said (they have always, of course, an explanation) it was too hot for the fat men of their team; whereas it just suited the Washington gang, who, being used to baking their eggs on the asphalt pavements, take the 100 degrees as a matter of course.

S. B.

LAKE FOREST, ILL.—E. O. Orpet, formerly of Lancaster, Mass., has assumed his duties as superintendent of the C. McCormick estate and numerous friends throughout the country wish him every success in his new location.



# DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Kansas City, Mo.

**WILLIAM L. ROCK,**  
Flower Co.,

Will carefully execute orders for  
Kansas City and any town in  
Missouri, Kansas or Oklahoma.

St. Louis, Mo.

Write, Wire or Phone Your Orders to

**YOUNGS**

1406 Olive Street,

Regular discount allowed on all orders, either  
Plants or Cut Flowers.

Phones Bell, Main 2306; Kinloch Central 4981

New York.

Established 1849

**David Clarke's Sons**

FLORAL DECORATORS

2139-2141 Broadway

Telephones:  
1552-1553 Columbus.

Choice Cut Flowers

Lansing, Mich.

**Gurdon B. Smith**

Covers all Points in Michigan. Best of  
Shipping Facilities in all Directions.  
Always has the best of Everything.

Kansas City, Mo.

**Samuel Murray**

913 Grand Ave.

All Orders Given Prompt and Careful Attention

Indianapolis.

For the past two weeks stock has been mighty scarce for the retailer, but fortunately the gladioli and feverfew have put in their appearance and afford us a better assortment. Sweet peas have been of rather poor quality. At this late time of the year there seems yet to be a demand for bedding and vase work. The layman has been a little wary on account of the cold spring and has therefore put off having the family vase at the cemetery filled.

Smith & Young Co. have devised a greenhouse railroad running on tracks between the benches, on which they carry out the old soil and bring in new. When a car has been filled in the greenhouse, three or four men push it along the track out to the soil pile and after the load has been automatically dumped the men get aboard the car and coast back to their place in the greenhouse. This is proving to be a very successful and speedy plan to replenish the benches with fresh soil, which heretofore had always been dreaded.

The extremely heavy rain on Monday flooded the entire down-town district and seeped into the basement of A. W. Brandt's store to the depth of six inches, damaging several rolls of wrapping paper and about 200 cut flower boxes.

A. W. B.

Detroit, Mich.

**John Breitmeyer's Sons**

Corner Miami and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

St. Louis.

The weather during the past week has been warm with frequent rain. We are now in the midst of summer dullness, and there is nothing doing, funeral work being the only outlet for flowers. Sweet peas are not so plentiful, and those of good quality, in limited quantities, are saleable. Gladioli are coming in freely and are selling fairly well. Asters have not as yet made up much of a showing. Those that are in are mostly single and showing yellow centers. Carnations are getting smaller and smaller. White has had a slight call for funeral work, but have been sold cheap. A good many roses are in, but many of the growers have thrown out and are throwing out still. Tuberoses are expected soon. They are somewhat late this season.

## NOTES.

A committee of three was appointed at the meeting of the Retail Florists' Association, consisting of Chas. Schoenle, Robert Windler and Conrad Bergstermann, to endeavor to stop the practice of crepe pulling through the daily press having notices daily over and above the death notices condemning the practice of ringing doorbells and soliciting orders from the bereaved families. What effects these notices will have will be proven in a short time; either they will prove an advertisement for the agent or the cutting out entirely of this mode of getting and doing business.

The Florists' Club has mailed to every florist a circular and invitation to attend its annual picnic, July 31, at Ramona Park. Every florist is invited, even if not a member of the club. This shows a fraternal spirit which is most commendable and should be appreciated by all those who are anxious to knit together all parties who have at heart the uplifting of the trade in general.

Anna Wohlfahrt, saleslady at the store of the Kelley Floral Co., Eighteenth and Olive streets, was married July 27. Mr. Kelley expects to take a vacation next month and will visit Chicago. The Kelley Floral Co. has a splendid show of gold fish in the windows, and these, together with choice cut flowers, make a fine showing to the public.

John J. Bentzen has made a standing offer to Frank Windler, salesman at the W. C. Smith Wholesale Floral Co., to wrestle catch-as-catch-can, best two out of three falls, at picnic, for \$10 a side. What is the matter with Frank, as no reply has as yet been received? Has he got cold feet?

Will Smith, of the W. C. Smith Wholesale Floral Co., Vincent Gorly and Robert Windler leave Monday to attend the Elks' convention in Detroit. Will Smith will visit Chicago and Mil-

Montreal.

**McKenna**

All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand. Mention the American Florist when writing

Albany, N. Y.

**EYRES,**

Flowers or Design Work.

Delivered in Albany and Vicinity on Telegraphic Order.

11 NORTH PEARL STREET.

Mention the American Florist when writing

Boston, Mass.

Send flower orders for delivery in

**Boston and all New England Points**

To THOS. F. GALVIN, Inc.,  
124 TREMONT ST.

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

**CLEVELAND, O.**

We Cover All Points in Ohio.

Mention the American Florist when writing

Buffalo, N. Y.

**Palmer's** Flowers  
"Quality"  
W. J. Palmer & Son.  
304 Main St.

Mention the American Florist when writing

Louisville, Ky.

**JACOB SCHULZ,**

550 So. Fourth Avenue.

Colorado Springs, Colo.

**FRANK F. CRUMP,**

Wholesale and Retail Florist.

waukee on his return. He will be absent a week.

Alex Siegel will leave for the lakes this season. Alex says that Michigan is a very invigorating state for a poor, tired florist to recuperate in.

Jack Munsberg, who will pitch for Bentzen Floral Co. at the Florists' Club picnic, will become a member of the St. Paul minor league team.

The Van Hook Greenhouses at Ferguson, Mo., are advertised for sale. The proprietor died suddenly some few months back.

Arthur E. Beyer, manager at Grimm & Gorly's, will go east on his vacation next month.

W. F.



## The Seed Trade.

### American Seed Trade Association.

E. L. Page, Greene, N.Y., President; L. H. Vaughan, Chicago, First Vice-President; M. H. Duryea, New York, Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

LEONARD SUTTON of Reading, Eng., has returned, much pleased with his American tour.

WISCONSIN pea growers in the lake shore section report very serious drought damage.

ANTON C. ZVOLANEK, Boundbrook, N. J., has just returned after seven weeks' trip to California.

W. ATLEE BURPEE is reported to have given up his European trip and is at work on his 1911 catalogue.

THE bouquet green crop in Wisconsin is likely to be affected by the severe drought and the forest fires which are reported.

CHAS. P. BRASLAN was enjoying London and arrived at New York July 12, reporting European seed crop conditions very bad.

FREESIA PURITY bulbs are reported very short crop owing to the frosts of last winter, which seriously checked the growth of the bulbs.

ALBERT DICKINSON, the veteran Chicago seedsman, still rolls up scores of 200 and over on the bowling alleys and is quite partial to the game.

VISITED CHICAGO: Robt. Buist, of Philadelphia, enroute to visit friends at Los Angeles and incidentally to visit seed growers on the Pacific coast; Emil Hartner, of Sawdey & Hartner, Denver, Colo.

ONION SET CROPS at Chicago have been helped but little by the few spotted showers. The crop has no doubt been materially reduced by the continued drought. The sets are bot-toming now.

THE insecticide bill became a law April 26, to take effect January, 1911. It carries a prison penalty. Seedsmen who handle insecticides will do well to secure from their congressman a copy of the law.

WEEBER & DON, Ridgewood, N. J., has been incorporated to deal in seeds, bulbs, agricultural implements, etc.; capital \$100,000. Incorporators: Alex. L. Don, Emma C. Don, Alex. Lee Don, all of Ridgewood, N. J.

SOME of the Bermuda growers are unable to complete their orders for Lillium Harrisii bulbs.

THE Blue Grass trust seems disposed to mark up prices for that article beyond all recent records; 21 cents per pound is hinted at.

CHICAGO.—Prices on the board of trade July 13 for grass seed were noted as follows: Timothy, \$5 to \$6 per 100 pounds. White clover, from 20 cents to 25 cents.

THE shipments of onion seed from the Canary Islands to the United States in 1909, writes Consul Solomon Berliner, of Teneriffe, were valued at \$55,586, an increase of \$26,040 over the previous year.

### The Fottler, Fiske, Rawson Co.

The H. E. Fiske Seed Co., W. W. Rawson & Co. and Schlegel & Fottler, Boston, Mass., have combined. The new firm will be known as the Fottler, Fiske, Rawson Co. The headquarters will be at 12-13 Faneuil Hall square, recently the store of the H. E. Fiske Seed Co. and prior to 1906 W. W. Rawson & Co. were located there. The new firm has issued a prospectus in which it is said that it is the intention of the corporation to have one of the finest stores in this country.

### Short Pea Pack Probable.

It is reported in advices from state pea packers that the pack of late peas will be cut short as a result of continued dry weather. A report has been current that some packers are willing to buy back a portion of their early contracts. This report is generally conceded as possible. Regarding the outlook a well-known broker in this market said:

"My packers write me that there has been no rain for close upon three weeks and that the pea fields are burning up. The pack of late wrinkled peas will be short of the nominal, and this in conjunction with the short pack of early peas is bound to have its effect on the market. There is a short pack in all the western sections and in my opinion the market this fall is going to be higher. The jobber who buys now will have no trouble in getting a profit over his original cost."—New York Commercial.

### Canada Bluegrass.

Farmers' Bulletin No. 402, just issued by the Department of Agriculture, entitled "Canada Bluegrass: Its Culture and Uses," by R. A. Oakley, is summarized as follows:

Canada bluegrass has the same general distribution as Kentucky blue-

grass, but is not so abundant. It is of the most importance in the New England states, New York, Pennsylvania, Virginia, West Virginia, and in southern Ontario in Canada. It is also common in parts of Ohio, Indiana, Illinois, and Missouri. It is found in the greatest abundance on various types of clay soil. It can readily be distinguished from Kentucky bluegrass in a field by its dark blue color, short leaves, flattened stem, and short, compact seed head.

Canada bluegrass is of value chiefly as a pasture grass and makes good grazing for all kinds of farm stock, especially beef and dairy cattle. The quality of hay produced is good, but the yield is not sufficiently high to make it of much value for this purpose. As a soil-binding grass it is of considerable value on clay embankments, since it establishes itself readily and makes a tough sod that resists erosion.

Canada bluegrass should be used as a lawn grass only under few conditions, as it does not make a turf of good texture. On some clay soils it can be used to advantage either alone or in mixtures with other lawn grasses. It can also be used to advantage in some sections on golf links. Seed of Canada bluegrass is harvested and thrashed in practically the same manner as timothy, orchard grass, or reedtop, and for this reason it sells for much lower prices than Kentucky bluegrass. On account of the close resemblance between seed of Canada bluegrass and Kentucky bluegrass and also on account of the cheapness of the former, it is used very extensively as an adulterant of the latter. Most of the seed sold in this country is grown in lower Ontario, large quantities being imported each year.

Little difficulty is experienced in cleaning the seed of Canada bluegrass for market. By use of the ordinary fanning mill the quantity of inert matter can be reduced to at least five per cent and the weed seed to one-half of one per cent with very little loss of good seed. The hay or straw from which seed is thrashed makes a very good roughage for live stock if properly handled, but is less valuable than the hay before thrashing. Canada bluegrass volunteers readily, and chiefly for this reason there is very little seed corn. Where seeding is practiced, 15 pounds or more per acre are recommended to be sown in the early spring on wheat. When it becomes desirable to break up old sod it can be done to best advantage by plowing in the fall rather shallow and turning the furrow completely. This smothers the grass and at the same time exposes the roots to the action of the frost. Corn is probably the best crop to grow on sod land.

### Mastin's Automatic Sprayer.

J. G. Mastin & Co., 3141 West Lake street, Chicago, are turning out an average of 500 spraying machines a month, getting orders from all parts of the country. The new whitewash nozzle has proved a great success with all who have used it. A smaller spraying machine holding about two quarts for use in greenhouses will soon be on the market. It is made similar to a quart measure, with a handle in a about the same position. The machine can be held in either hand with the four fingers, the thumb of the same hand being used to press the valve above the handle which starts the machine in action. It is a very handy machine and is sure to meet with great success.

## Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,  
Growers for the Wholesale  
Trade Only.

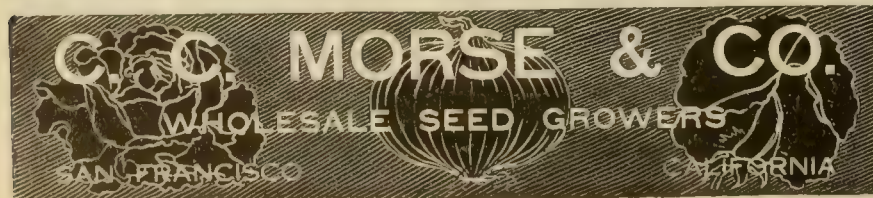
SAN JOSE, CALIF.

## Pieters-Wheeler Seed Company

Growers of  
High Grade  
SEED  
Hollister,  
California



Onion,  
Lettuce,  
Radish,  
Sweet Peas,  
Etc.  
Correspondence  
Solicited.







High-class Seeds, Bulbs, Plants, Shrubs and Nursery Stock.

## "BUDS"

CARL R. GLOECKNER, President,  
76 Barclay St., NEW YORK CITY

### COLD STORAGE LILY OF THE VALLEY PIPS

\$12.50 per 1000 in cases of 2000 only.  
Finest German, not Dutch grown. Ready now.

### For Fall Delivery 1910

Our own imports from Japan.

|                                          |          |
|------------------------------------------|----------|
| Lilium Longiflorum Multiflorum, 7-9..... | Per 1000 |
| " " Giganteum, 7-9.....                  | \$50 00  |
| " " Formosum, 7-9.....                   | 65 00    |
| F. O. B. New York.                       |          |

### RELIABLE SEEDS.

|                                         | Oz.    | pkt. | Tr. |
|-----------------------------------------|--------|------|-----|
| Bells, double Daisies, Longfellow, pink | \$3 00 | 30c  |     |
| " " Snowball, white..                   | 3.00   | 30c  |     |
| Carnations, hardy garden, finest        |        |      |     |
| double mixed                            | 2.00   | 25c  |     |
| Myosotis, alpestris, Victoria compact   |        |      |     |
| blue                                    | 2.50   | 35c  |     |
| Pansies, Special florists' mixture..... | 4.00   | 50c  |     |
| Pinks, double dwarf hardy garden mxd..  | 4.00   | 50c  |     |
| Wallflower, extra dbl. dwf., Bush mxd.. | 4.00   | 50c  |     |

For other varieties ask for my catalogue.

O. V. ZANGEN, Seedsman, Hoboken, N. J.

## N E C W R O P SMILAX SEED

Ounce, 25c; ¼ lb., 75c.

Vaughan's Seed Store  
CHICAGO. NEW YORK.

### In the Garden.

Come out into the garden, Maud,  
And bring the spade with you,  
And bring those packages of seeds  
Our congressman sent, too;  
And we will spade the garden up  
And fix it nicely, dear,  
And plant our seeds in little rows,  
For gentle spring is here.

We'll plant the early marrowfat  
And radishes and beets,  
We'll plant the pumpkin and the gourd  
And other kinds of eats;  
And we will plant the Boston bean—  
Why do you act so queer?  
Come out into the garden, Maud,  
For gentle spring is here.

Come out into the garden, Maud,  
And gather up your skirt,  
And bring the spade, you know I said,  
And push it in the dirt;  
And we will plant some succotash—  
We'll like it, never fear—  
And fool the boosted price of things  
Since gentle spring is here.

Now push the spade into the ground  
In manner free but firm,  
And make a place to plant these things—  
Hey! Hold on! There's a worm!

### TO THE TRADE

## HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all  
CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

**Specialties:** Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

**HENRY METTE'S TRIUMPH OF THE GIANT PANSIES**, (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., \$1.50 per ¼-oz., 75c per 1-16 oz, postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

## Purchase Direct from French Grower

AND SAVE DEALERS' PROFITS

**Hyacinths** White Roman, Etc.

**Narcissus** Grandiflora P. W., Trumpet Major, Etc.

**Freesia** Refracta Alba, Etc., Etc., Etc.

**SOLEILLET,** Grower and Exporter, Toulon, France

## PANSY SEED New Crop

| Perfection Mixture,                         | Pkt. | Oz.    |                                                                                                        | Pkt. | Oz.    |
|---------------------------------------------|------|--------|--------------------------------------------------------------------------------------------------------|------|--------|
| made up from the finest strains grown ..... | .50  | \$5.00 | Madame Perret .....                                                                                    | .40  | \$2.50 |
| Elite Mixture.....                          | .50  | 5.00   | Giant Parisian Mixture .....                                                                           | .25  | 1.50   |
| Cassier's Giant.....                        | .50  | 4.00   | Giant Pansies, in separate colors, white, black, yellow, sky blue, dark blue, red, brown, striped..... | .25  | 1.50   |
| Bugnot's Five Spotted .....                 | .50  | 5.00   |                                                                                                        |      |        |
| Masterpiece .....                           | .50  | 5.00   |                                                                                                        |      |        |

**SCRANTON FLORIST SUPPLY CO., Scranton, Pa.**

## Seed PANSY Seed

Brown's Improved Prize Pansy Seed.

Finest strain in the market.  
In color and size they are incomparable.

### Price of mixed seed.

3000 seeds, \$1.00; ¼-oz., \$1.50;  
½-oz., \$2.50; 1-oz., \$5.00; ¼-lb., \$14.00; ½-lb., \$25.00; 1-lb., \$50.00;  
in separate colors. Yellow with dark eye, same price. Cash with order.

**PETER BROWN,** Pansy Seed Grower.  
LANCASTER, PA.

## Seasonable Seeds

For Summer Sowing

All the Leading Kinds

**James Vick's Sons**

SEEDSMEN

Rochester, New York

**Don't Forget** To give us a trial on Asters, Mignonette, Begonia Vermon, Cineraria, Primula Chinensis, Primula Obconica, Salvia Bonfire and Splendens, Verbena, Cyclamen and Pansy Seed. The two latter items ready July and August. We handle none but the highest quality strains. Catalog for the asking.



**SKIDELSKY & IRWIN CO.,**  
1215 Betts Bldg.

PHILADELPHIA, PA.

## The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

Branches: Michigan and Wisconsin. **MILFORD, CONN.**

## Waldo Rohnert

GILROY, CAL.

### Wholesale Seed Grower

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena, in variety.  
Correspondence solicited.

**Dutch Bulbs** We forward free to destination collections of Bulbs for from \$5.00 to \$25.00. Terms, cash with order. Please send for particulars. Apply to **The Dutch Bulb & Seed Growers Co., Haarlem, Holland.**

Now for my hook and line and pole!

Keep digging, that's a dear,  
But I must go away to fish.

For gentle spring is here.  
—Chicago Daily News.



## Market Gardeners

### Greenhouse Vegetable Growers and Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President; Franklin DeKleine, Grand Rapids, Mich., Vice-President; S. W. Severance, 508 Illinois Life Building, Louisville, Ky., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer. Annual meeting at Grand Rapids, Mich., Sept. 27-29.

THE acreage of cauliflower on Long Island this year is 25 per cent above that of last season.

C. C. WAITE, New York agent for the Florida Citrus Exchange, was in Chicago last week on his way to California.

THE Danish Ballhead cabbage requires richer soil and a longer season of growth to bring it to perfection than the pointed American types.

NEW YORK.—The fruit and vegetable market is over-stocked with outdoor products, and no satisfactory quotations can be given on indoor stock.

CELERY growers around Milwaukee and other Wisconsin points report that only about a fourth of the crop survived the bad spring and that drought has injured what was left. The supply for the state will have to come from other sections.

NEW IBERIA, LA.—The Truck Growers' Association met June 24 and a great many new members were added. Among these were a number of large planters, who will plant several acres each in small vegetables next season. The watermelon crop is moving well.

THE Niagara Mushroom and Spawn Co., Lockport, N. Y., has been incorporated to raise and deal in mushrooms and mushroom spawn; capital \$6,000. Incorporators: Clay W. Parsons, Chas. L. Papworth, E. Clarence Papworth, all of Lockport, N. Y., and three others.

### Greenhouse Notes.

At this time of year there are probably only cucumbers and tomatoes in commercial houses. These can be made to pay handsomely, as the cost of handling is less than in the winter months. Many growers fail to get best results simply because they starve their plants and allow them to be overcome by heat, both leaf and root. Shade is needed, besides a good mulch of manure and ample water. Indications are often very misleading and the careful grower will dig down deep occasionally to ascertain existing conditions of soil. These plants need great amounts of potash and phosphate, hence we add fine bone meal and sulphate of potash to the manure mulch to balance the plant food. The striped cucumber beetle is a great enemy—he is the direct cause of the wilt disease and every effort should be made to keep him out. Hand picking on cool days or very early in the morning, tobacco dust blown through the plants, or screening doors and vents are remedies. Tomato vines should be topped when the last cluster of fruit has set, allowing five weeks for the fruit to mature.

MARKETMAN.

## Simon's Hot Weather Lettuce

Has made good. It will not scald or burn. It does not rot under earth. It is the best butter head variety to sow during the summer months, offered to-day. Now is the time to sow it.

1-oz. 25c. 1-4 lb. 60c. 1 lb. \$2.00  
Postpaid.

I. N. SIMON & SON, Growers of Seed Specialties  
for Market Gardeners.  
6 North Front Street, Philadelphia, Pa.



Watch for our Trade Mark stamped on every brick of Lambert's

### Pure Culture Mushroom Spaw

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

### Market Gardeners' Association.

The third annual convention of the Greenhouse Vegetable Growers' and Market Gardeners' Association of America will be held at Grand Rapids, Mich., Tuesday, Wednesday and Thursday, September 27, 28 and 29, and promises to be the most successful ever held by that organization. A splendid programme is being prepared and subjects of interest to the vegetable forcer, market gardener and truck farmer will have a place in it. Grand Rapids is the home of Grand Rapids lettuce and Davis Perfect cucumber, and the convention will afford an opportunity to visit the famous forcing establishments in that city. Any vegetable grower desiring further information should write to S. W. Severance, Secretary, 508 Walker building, Louisville, Ky.

### Time Required for Maturation of Vegetables

A paper read by A. Walker before the Montreal Gardeners' and Florists' Club July 4.

Tomatoes, lettuce and radish were started at different dates during the fall and early winter for the purpose of obtaining some definite information as to the time required for the maturation of these crops under glass during the winter months. The greenhouses in

## Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE \$1.10

AMERICAN FLORIST CO.,  
324 Dearborn St., Chicago.

## VEGETABLE PLANTS

Cabbage, All Head, Succession Per 100 1000  
Second Early, Early Summer, Flat  
Dutch, Surehead, Danish Round  
and Ballhead, ..... \$0 20 \$1 00  
10,000 and over ..... 85c per 1000  
Celery, White Plume, Golden Self  
Blanching, Giant Pascal, Golden  
Heart and Boston Market ..... 20 1 00  
10,000 and over ..... 85c per 1000

— Cash with order. —

R. VINCENT, Jr. & SONS CO., White Marsh, Md.

which the experiments were conducted run east and west and are made up of four 21-foot ridge and furrow houses each separated by a glass partition. The tomato tests were conducted in one of the center houses. The south bench in this house especially during winter does not receive full sunlight, being shaded by the gutter, partition wall and north roof of adjoining house to some extent. The

### TOMATO EXPERIMENTS.

Plants started at different dates on different benches and planted different distances apart.

| Location of Bench. | No. of Plot. | Distance apart. | Date of Sowing. | Pricked off. | Potted.  | Benched. | First fruit ripe.                | Last fruit picked. | No. of Days in Maturity. | Yield per sq. ft. of bench area. | Returns per sq. ft. of bench area. |
|--------------------|--------------|-----------------|-----------------|--------------|----------|----------|----------------------------------|--------------------|--------------------------|----------------------------------|------------------------------------|
| Center ... 1       | 1            | 18              | July 4          | July 15      | Aug. 1   | Aug. 24  | Nov. 6                           | Jan. 19            | Days 199                 | Lbs. 1.63                        | Cents 33                           |
| South .... 2       | 2            | 18              | 22              | Aug. 3       | 20       | Sept. 21 | 19                               | 19                 | 181                      | 1.06                             | 22½                                |
| South .... 3       | 3            | 18              | 16              | 29           | Sept. 16 | Oct. 5   | No fruit set and plants removed. |                    |                          |                                  |                                    |
| South .... 4       | 4            | 18              | 16              | 29           | Oct. 12  | Nov. 8   | No fruit set and plants removed. |                    |                          |                                  |                                    |
| North .... 5       | 5            | 18              | 16              | 29           | Sept. 16 | Oct. 5   | Dec. 28                          | Mar. 29            | 225                      | 1.09                             | 21½                                |
| North .... 6       | 6            | 18              | 16              | 29           | Oct. 12  | Nov. 8   | Feb. 14                          | Apr. 10            | 206                      | .28                              | 5½                                 |
| North .... 7       | 7            | 17              | 16              | 29           | Aug. 16  | Sept. 5  | Oct. 28                          | Mar. 29            | 225                      | .885                             | 17½                                |
| North .... 8       | 8            | 17              | 16              | 29           | Sept. 12 | Nov. 8   | Dec. 14                          | Apr. 10            | 206                      | .305                             | 6¼                                 |
| North .... 9       | 9            | 19              | 16              | 29           | Aug. 16  | Oct. 5   | Nov. 28                          | Mar. 29            | 225                      | 1.08                             | 21½                                |
| North .... 10      | 10           | 19              | 16              | 29           | Sept. 12 | Nov. 8   | Feb. 14                          | Apr. 10            | 206                      | .25                              | 5                                  |
| Center ... 11      | 11           | 18              | Nov. 9          | Nov. 26      | Dec. 15  | Jan. 19  | Apr. 27                          | June 21            | 227                      | 1.42                             | 28                                 |



north and center benches receive practically full light.

Duplicate tests were conducted with tomatoes on the south and north bench results of which are here given. The plants were spaced 18 inches apart and the yield and net returns are calculated per square foot of bench area. It will be noticed that the planting made on the south bench August 16 and September 16 were a complete failure while those on the north bench planted at the same time and given same conditions except as to light gave fair returns. The variety Livingston Globe was used and the crop netted 20 cents per pound. As light is such a controlling factor in the winter forcing of vegetables, especially in securing a set of fruit on tomatoes, plants were spaced 17, 18 and 19 inches apart on the north bench. The results would indicate that closer than 17 inches is not advisable. It will also be noted that plants from seed started after the middle of August did not give satisfactory returns, the July planting averaging 28 cents, August planting 20½ cents and the September planting 5½ cents per square foot of bench area.

It will also be noted that the average of early and late sowings from date of sowing to end of harvest required 190 days, being in the bench 145 days, and the fruiting period continuing for 86 days. The average of the August sowings required 225 days from date of sowing to end of harvest, being in the bench 175 days and in fruit for 91 days. The average of the September sowing was 200 days, being in the bench 151 days and in fruit for 55 days. From plot No. 2, seed sown July 22, fruit was harvested for two months and during the first month, November 19 to December 19, 35 pounds of fruit were harvested against 6¼ pounds for the following month, December 19 to January 19. On plot 5, seed sown August 16, the first fruit was ripe December 28 and continued to March 29, practically three months, giving a fairly uniform supply during those months. On plot 6, seed sown September 16, the first fruit was ripe February 14 and lasted to April 10, about two months, giving a very low average yield.

#### Soda Bordeaux.

Soda Bordeaux is made from copper sulphate just as the ordinary Bordeaux mixture. It differs, however, in that caustic soda is used to neutralize the acid property of the bluestone instead of lime; and that the final mixture contains sodium sulphate instead of calcium sulphate (gypsum). The resulting form of the copper, copper hydrate, is exactly the same, and exerts the same fungicidal power, says Bulletin 171 of the Ontario Agricultural College. The main point in connection with this mixture is that caustic soda is an extremely active alkali, and any amount of it added over and above that required to combine with all the copper will destroy foliage. Therefore, in making soda Bordeaux, it is important to add just the exact quantity of the soda required to change all the bluestone to copper hydrate. This is done by adding the soda solution slowly to the copper solution, mixing thoroughly after each addition, and testing for the neutral point with litmus paper. The moment the litmus paper takes on a faintly blue tinge is the time to stop adding. The copper is then all in the form of a sediment and any more alkali added will be left in the free state.

The following tentative formula can be given: Soda, two pounds; copper sulphate, six pounds; lime, five ounces; water 40 gallons.

In making, add three-quarters of the

# BODDINGTON'S QUALITY

## Christmas Flowering Sweet Peas

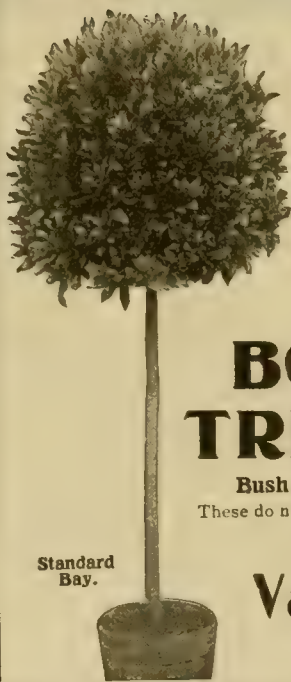
For Immediate Delivery.

|                                        | Oz. | ¼ lb. | ½ lb.  | Lb.    |
|----------------------------------------|-----|-------|--------|--------|
| Boddington's Snowbird, pure white..... | 20c | 75c   | \$1.25 | \$2.00 |
| Boddington's Christmas Pink.....       | 10c | 40c   | .75    | 1.00   |
| Boddington's Christmas White.....      | 15c | 50c   | .85    | 1.50   |
| Mrs. E. Wild, carmine.....             | 15c | 50c   | .85    | 1.50   |
| Mrs. Geo. Lewis, white waved.....      | 15c | 50c   | .85    | 1.50   |

New Crop of all other Winter Flowering Varieties  
Ready in August.

## ARTHUR T. BODDINGTON,

342 West 14th Street,  
NEW YORK CITY.



# BAY TREES

Standard or Tree Shaped

| Stem about | Crown.    | Each.   | Stem about | Crown.    | Each.   |
|------------|-----------|---------|------------|-----------|---------|
| 42 46 in.  | 24 in.... | \$ 6.75 | 45-48 in.  | 30 in.... | \$10.00 |
| 45-48 in.  | 26 in.... | 7.50    | 46-54 in.  | 34 in.... | 12.00   |
| 46-50 in.  | 28 in.... | 8.00    | 46-53 in.  | 40 in.... | 15.00   |

## BOX TREES

Bush Shaped.

These do not come in tubs.

| Height.                  | Each.  | Doz.   | 100     |
|--------------------------|--------|--------|---------|
| 10 to 12 in.....         | \$0.30 | \$3.00 | \$20.00 |
| 12 to 15 in.....         | .35    | 3.50   | 25.00   |
| 15 to 18 in., light..... | .40    | 4.00   | 30.00   |
| 15 to 18 in., heavy..... | .45    | 4.50   | 35.00   |
| 20 to 24 in.....         | .75    | 8.00   |         |

All plants are quoted f. o. b. Western Springs.

## Vaughan's Seed Store

WESTERN SPRINGS, ILL.

soda solution at once, mix thoroughly and then add the rest gradually, mixing and testing until the proper quantity is present. It may not require the whole amount recommended, and it may require more, depending upon the quality of the soda. When the alkaline value of a sample of soda is once ascertained, then one can proceed with much more rapidity. The small amount of lime is added to make the mixture decidedly alkaline, and therefore, safe, and to cause the precipitate to remain blue instead of changing to dark brown or black, which it does after standing some time where an excess of soda is used.

Caustic soda can be bought retail or in drums of 100 pounds, from or through any chemist, while Gillette's

lye, which is familiar to everyone, is a convenient form of soda for use in making this mixture. Soda Bordeaux has an advantage over the ordinary Bordeaux in that it is just as good a fungicide, and at the same time is made without the labor of slaking and preparing lime. There are disadvantages, however. Great care is necessary in the addition of the caustic soda. Any added in excess is dangerous to foliage; an excess of lime is not harmful, though not advisable. Unless exactly neutral, the addition of an arsenical to soda Bordeaux to impart to it an insecticidal power, is dangerous. Any free alkali will act upon the arsenic compound and form sodium arsenite, which, being soluble, will scorch foliage.



## The Nursery Trade

### American Association of Nurserymen.

W. P. Stark, Louisiana, Mo., President;  
E. S. Welch, Shenandoah, Ia., Vice-President;  
John Hall, Rochester, N. Y., Sec'y.  
Thirty-sixth annual convention to be held  
at St. Louis, Mo., June, 1911.

CHICAGO: W. A. Peterson with Mrs. Peterson and a party of friends, will start on an extended automobile trip July 25, going east.

PINE ORCHARD, CONN.—Peter K. Boscho, representing a landscape firm of New York, is in charge of the work of improving the vicinity of Blackstone park.

GLEN BROS., of Rochester, N. Y., have acquired 64 acres of splendid land adjoining Wappinger's cemetery at Wappinger's Falls and will remove their offices and business there in the fall, according to the Poughkeepsie Enterprise.

### Rust in Roses.

ED. AMERICAN FLORIST:—

What is the best remedy for rust on outdoor roses and how should afflicted plants be treated? C. D. W.

When badly attacked nothing but cutting away and burning all affected shoots can save the plants, but when taken in hand early and sprayed with Bordeaux the disease can be kept in check. A bad attack sometimes causes the loss of the entire plant. The use of soot in a dry form is often recommended, also watering and spraying with well diluted soot water. G.

### American Nurserymen's Protective Ass'n

The officers elected at the Denver convention last month were as follows:

J. W. Hill, Des Moines, Ia., president.  
Irving Rouse, Rochester, N. Y., first vice-president.

Thomas B. Meehan, Dresher, Pa., secretary.

Peter Youngers, Geneva, Neb., treasurer.

### EXECUTIVE COMMITTEE

J. W. Hill, Des Moines, Ia.; Chas. J. Brown, Rochester, N. Y., Section No. 1; H. P. Chase, Huntsville, Ala., Section No. 2; J. H. Dayton, Painesville, O., Section No. 3; D. S. Lake, Shenandoah, Ia., Section No. 4; E. R. Taylor, Topeka, Kans., Section No. 5; J. S. Kerr, Sherman, Texas, Section No. 6.

### Ellwanger & Barry, Rochester, N. Y.

For two weeks a magnificent exhibition of roses has been open to the public daily except Sunday at the nurseries of Ellwanger & Barry in Mt. Hope avenue, says the Rochester Democrat and Chronicle. Millions of roses are in bloom on these grounds and present a spectacle of great beauty. The flowers fill the air with perfume and delight the eye. In the exhibition are all varieties, and the collection, comprising many acres of bushes, is one of great interest. At present the earlier varieties are beyond their prime, but the climbing roses and the many varieties of ramblers are at the height of their glory. Many of the clusters contain hundreds of blossoms and for fragrance, beauty and diversity and richness of color, they rival the old favorites, which confine themselves to low growing bushes.

# A BLUE ROSE

## The Greatest Rose Novelty of the Century

*It flowered with us this season and was greatly admired.*

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

### ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

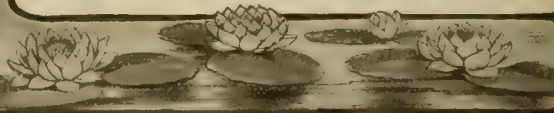


## Hardy and Tender Water Lilies, Nelumbiums, Victorias, Etc.

An unequalled collection of the above plants, embracing every desirable variety known, also all other Aquatic and Semi-Aquatic plants suitable for the planting of natural and artificial ponds.

See our Quarterly Wholesale List for prices.

We shall be pleased to furnish estimates and offer practical suggestions. Write to us for any information desired.  
**HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.**



# ROSES Our Leading Specialty

Also Azaleas, Rhododendrons, Conifers, Fancy Clipped Boxwoods, Forest and Fruit Trees, Hedge Plants, Etc

Ask for Wholesale Price Lists.

**S. A. VOSTERS & SONS,**

**RIEL, HOLLAND.**

A departure in training rose bushes is noticed at the nursery grounds. The bushes are trimmed to a single stalk, or, rather, are trained to a single stalk, which grows to a height of about six feet when it branches out in umbrella shape and spreads aloft a veritable canopy of blooms. The effect of long lines of these rose plants trimmed in this fashion is very attractive. One of the exquisite novelties to be seen by visitors to these gardens is Magnolia macrophylla, a large tree that bears flowers a foot in diameter. Each flower is surrounded on the same stem with a guard of large leaves, which form a splendid setting. At every point in the grounds the visitor discovers something rare and interesting in trees or shrubs. Magnificent elms are there, horse chestnuts that bear beautiful blossoms. Acer Negundo, with its white, silver and green foliage, and the Japanese ginkgo, which has foliage similar to the maidenhair fern. There are oaks and beeches, birches of stalwart size and great beauty, and the Japanese maple with its glowing color to offset the green of the pines and spruce. Nearly every variety is to be found in these gardens. No other city has such a fairyland within its borders.

### National School of Forestry.

A bill to establish a national school of forestry at Nebraska City, Neb., as a memorial to the late J. Sterling Morton, father of Arbor day and of the injunction, "Plant trees," has been introduced in the senate by Senator Elmer J. Burkett, of Nebraska. The bill authorizes an appropriation of \$250,000.

## A GOOD INVESTMENT

Evansville, Ind., Feb. 18, 1910.

AMERICAN FLORIST Co.

Chicago.

DEAR SIR:—I am using your Trade Directory and out of 4000 nurserymen we circularized only two circulars came back. I am enclosing these names as you may want to make the changes.

A. J. LOCKYEAR.

New Edition Now Ready—Price \$3.00.

## Jacs Smits & Co., NAARDEN, (Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Price List Free on Demand.

has the approval of the secretary of agriculture, and of the chief of the bureau of forestry. Mr. Burkett declares that it is important to teach the people how to plant trees. The next generation will witness a timber famine unless steps are taken to preserve and increase the forests. The president is to appoint a director of the institution with a salary of \$6,000 a year.



## Phoenix Nursery Company

**Nurserymen and Florists**  
BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for fall issued Sept. 1st.

### 500,000 California Privet FOR FALL OF 1910.

A fine stock of 1 and 2 year plants from 12 inches to 4 feet, will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.

Also a fine stock of **AMPELOPSIS Veitchii**, 2 years transplanted.

**CHAS. BLACK,** Hightstown, N. J.

## Hybrid Perpetual and Rambler Roses

**Strong Forcing Stock for Florists.**

Orders for fall delivery booking now.

**Jackson & Perkins Company, Newark, N. Y.**

### Infected Nursery Stock.

Consul-General George N. West, of Vancouver, B. C., furnishes the following particulars of a large amount of imported nursery plants destroyed by fire in British Columbia, under the direction of the provincial inspector of fruits and orchards: "The trees destroyed came from Japan, Germany, Holland, Belgium, France, the United Kingdom, and from the United States, and consisted of some 30,000 trees and plants infected with San Jose scale, borers, root gall, apple-tree anthracnose, pear blight, and all the other various fruit tree diseases known. The trees included apple, pear, quince, peach, apricot, crab, nectarine, small fruit, and ornamental shrubs. The inspector stated that there was enough infection destroyed in this lot to have infected the whole of British Columbia.

"Not only is the imported nursery stock inspected, but all the nurseries throughout the province. No company or individual is permitted to distribute trees until they have passed inspection by competent inspectors. The same rule is followed regarding the sale of fruit, and there is not a package of infected fruit sold in British Columbia today. All is carefully inspected, and if found to be diseased is condemned and cremated or sent back to the country from which it was shipped. This rule is applied as strictly to eastern Canadian grown fruit as it is to fruit grown in the United States. The policy of the department is to maintain absolutely clean orchards and clean, wholesome fruit, with a maximum of profit to the grower. Importations this year have been unusually large.

"Nurserymen sending stock into British Columbia that is at all infected stand to lose, because they have to bear the loss when it is destroyed. Praise was given to the nursery stock and fruit imported from Utah. It is to the interest of growers of nursery stock in the United States to take particular care to see that any stock sold to be used in the province of British Columbia is perfectly clean in every respect, and shippers of fruit should also be sure that the fruit and packages are entirely free from parasites; otherwise it will be condemned and not allowed to be used in the province."

# Bobbink & Atkins

World's Choicest Nursery and Greenhouse Products

## Bay Trees, Boxwood,

**Evergreens and Conifers,  
Rhododendrons and Herbaceous  
Plants, Kentias and Phoenix.**

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity.

German Iris, in 50 named varieties, \$6 00 per 100.

Japan Iris, in 10 best named varieties, 8.00 per 100.

**Nurserymen and Florists Rutherford, N. J.**



## Arbor Vitæ

(*Thuja Occidentalis*.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

**The Wm. H. Moon Co.,**  
MORRISVILLE, PA.

## DAHLIAS

Jack Rose and other best Cut Flower varieties. Write for list and prices.

**PEACOCK DAHLIA FARMS**

Williamstown Junction, N. J.

## LARGE TREES

OAKS and MAPLES  
Pines and Hemlocks

**ANDORRA NURSERIES.**

Wm. Warner Harper, Prop.  
Chestnut Hill, PHILA., PA.

Pittsburg.

There is very little satisfactory stock coming into this market at this writing. Carnations could hardly be worse while Beauties and other roses open so quickly that they are far from satisfactory. Sweet peas sell well when good, but the hot weather wilts them almost as soon as they are cut. Gladioli and the few asters that are seen sell well. The severe drought has much affected outdoor flowers and vegetables, some of the latter being an entire failure. Greens move out very nicely. Other outdoor stocks are slow sellers.

### NOTES.

Among those on vacations are: W. Q. Potter of the McCallum Co., at his old home in Greene County, Jack Frampton of Zieger Co., Clarion, and Edw. Ashcraft of the Pittsburg Cut Flower Co. Among those ready to go are: M. F. Stafford, of the Zieger Co., and W. A. Clark, who intends to go with Knights Templar Commandery No. 1, for a lake trip.

Ernest Fisher, formerly manager of the South View Floral Co., has accept-

## NEW BERRY, HIMALAYA GIANT

Berry Catalogue free with Colored plates.  
Berrydale Experiment Gardens, Holland, Mich.

## THE Storrs & Harrison Co.

**PAINESVILLE NURSERIES.**

CATALOGUES AND PRICE LISTS  
FREE ON APPLICATION.....

**PAINESVILLE, OHIO.**

## ROSES

A SPECIALTY.

**The Dingee & Conard Co.,**  
WEST GROVE, PA.

## JOHN T. WITHERS, Inc.

**Landscape Architect and Forester**

1 Montgomery St., **JERSEY CITY, N. J.**

**Tree Renovation by Expert Operators.** Stereopticon lectures on Horticulture and Arboriculture

**Eugene Pitou, Jr.** **CIVIL ENGINEER and Landscape Architect**

Phone Barclay 6084—229 Broadway, New York  
Designs, Estimates, Construction of Grounds

ed a position with Geo. L. Huscroft, of Steubenville, O.

At the last meeting of the Florists' Club, it was decided not to hold a picnic this year, owing to the little interest shown.

Earl Tipton, of the A. W. Smith Co., has left for the firm's farm at Canfield, O., for a few months' outside work.

The McCallum Co. is handling immense quantities of fine dagger ferns. J. B. Murdoch & Co. are still receiving some fine carnations.

Fine Kaisersins are found at the Pittsburg Cut Flower Co. J.



## Aster Plants

Simple's Branching and Queen of the Market  
fine plants of the best strains, \$1.75 per 1000.  
5000 for \$7.50.

## Cabbage, Celery, Peppers, Sweet Potatoes, Tomatoes, Brussels Sprouts and Celeriac.

Fine plants from the field, \$1.00 per 1000; 5000 for  
\$4.00; 10,000 for \$7.50; all the best varieties.

J. C. SCHMIDT, Bristol, Pa.

## Whitmani Ferns

2½-in. from benches, \$5.00 per 100;  
\$40.00 per 1000. 250 at 1000 rate.

From bench, 5 and 6-in., 25c each.

Magnifica, 2½-in. \$15.00 per 100.

HENRY H. BARROWS & SON, Whitman, Mass.

Cincinnati.

The general summer depression is felt by everyone connected with the business in this city. Here and there a little funeral work and then it ceases. We cannot complain about the quality of stock as some really good carnations are to be had, also roses, valley, Longiflorum lilies, Shasta daisies and gladioli. This about constitutes the stock in trade and we regret to state that a good deal is left after the day's business is over. All one hears is florists' picnics and vacations and it seems employers and employes alike are more interested in these than in doing business.

The annual meeting and election of officers of the Florists' Society was held on Monday afternoon at Gus Adrian's home in Clifton with 28 members present. The following officers were chosen to guide the destinies of the society for the coming year:

C. E. Critchell, president.  
Wm. Murphy, vice-president.  
Alex Ostendorp, secretary.  
E. A. Foster, treasurer.  
Herbert Greensmith, director.

The outing committee reported everything in readiness for the picnic. The question of sending a bowling team to Rochester to represent our city in the national bowling tournament of the S. A. F. was brought up, but it seems as though the majority of our members are averse to spending a little money to advertise their home city and the project fell through. Mrs. Adrian did the elegant with a fine Dutch lunch and the meeting adjourned with three cheers for Mr. and Mrs. Adrian.

As the S. A. F. convention draws near we begin to look around to see who is going to Rochester. Thus far only two have signified their intention of going, Dan Carmichael and Albert Sunderbruch of the J. M. McCullough's Sons Co. This firm will have an exhibit of Paragon sprayers at the convention and will send representatives to demonstrate the same.

A. Sunderbruch's Sons are cutting some excellent valley and Longiflorum lilies and the wholesale houses find it very handy to call on them when in need of any of the above.

Miss Bossmeyer, bookkeeper and stenographer at Critchell's, and Miss Clara Kyrk of McCullough's Sons Co. are on their vacation.

Miss Margaret Austead is on the sick list and Mrs. John Freis is at Martinsville, Ind., taking treatment for rheumatism.

P. J. Olinger spent Wednesday and Thursday of the past week at the New Castle greenhouses.

J. W. Rodgers has disposed of his greenhouse establishment to W. H. Rutenschroer.

Wm. Mueller, Central avenue, has sold his store to Hauck Bros. S.

## Miscellaneous Plants

|                                    | Doz.   | 100     |                                     | Each    | Doz.    |
|------------------------------------|--------|---------|-------------------------------------|---------|---------|
| 2½-in. Boston. (Aug.)              |        | \$ 4 50 | 4 -in. Araucaria Excelsa,           |         |         |
| 4 -in. "                           | \$2 00 | 15 00   | 2-3 tiers                           | \$ 50   | \$ 6 00 |
| 5 -in. "                           | 3 00   | 25 00   | 6 -in. Araucaria Glauca,            |         |         |
| 2½-in. Whitmani,                   |        | 5 00    | 3-4 tiers                           | 1 75    |         |
| 4 -in. "                           | 2 00   | 15 00   | 6 -in. Araucaria Compacta,          |         |         |
| 5 -in. "                           | 3 00   | 25 00   | 3-4 tiers                           | 1 75    |         |
| 2 -in. Asparagus Plu Nanus,        |        | 3 00    |                                     |         | Each    |
| 3 -in. "                           | 1 00   | 7 00    | Kentia Forsteriana, single          |         |         |
| 4 -in. "                           | 1 50   |         | plants, 7 in. 6 to 7 leaves, 34     |         |         |
| 2 -in. Asparagus Sprengeri,        |        | 2 50    | to 36 in                            | \$ 3 50 |         |
| 3 -in. "                           | 1 00   | 6 00    | Same made-up, 3 plants to pot       |         |         |
| 4 -in. "                           | 1 25   | 10 00   | 32 to 34 in                         | 3 00    |         |
| 2 -in. Aspid. Ferns, dishes (Aug)  |        | 3 00    | Same made-up, 3 plants to pot       |         |         |
| 2 -in. Cyclamen,                   |        | 3 50    | 36 to 40-in.                        | 4 00    |         |
| 3 -in. "                           | 1 00   | 7 00    | Kentia Belmoreana                   |         |         |
| 4 -in. (Aug.)                      | 2 00   | 15 00   | 7-in. pot, 6-7 leaves, 34-36 in.... | 4 00    |         |
| 2 -in. Chinese Primrose,           |        | 3 00    | 7-in. pot, 6-7 leaves, 28-30 in.... | 3 00    |         |
| 3 -in. Obconica Primrose,          |        | 7 00    | 6-in. pot, 5-6 leaves, 26-28 in.... | 1 75    |         |
| 2 -in. Celestial Peppers,          |        | 3 00    | 4 -in. pot, per 100 \$35.00         | 35      |         |
| 2 -in. Jerusalem Cherries,         |        | 5 00    | 2½-in. pot, per 100 10.00           |         |         |
| 2 -in. Poinsettias, (1000 \$45.00) |        | 3 00    |                                     |         |         |
| 2 -in. Smilax,                     |        | 3 00    |                                     |         |         |
| 2½-in. Cocos Weddellana,           | 2 00   | 15 00   |                                     |         |         |
| 3 -in. Pandanus Veitchii,          | 3 50   |         |                                     |         |         |

D. U. AUGSPURGER & SONS CO., Box 394, Peoria, Ill.

## Asparagus Primroses

|                       | Per 100 | Ready July 15           | Per 100 |
|-----------------------|---------|-------------------------|---------|
| Sprengeri, 2½ in. pot | 2 00    | Chinese and Forbesal    | \$ 2 00 |
| Pansy Seed, new crop  | Per oz. | Obconica Alba and Rosea | 2 00    |
| Giant Flowering       | \$ 4 00 | Obconica Gigantea       | 3 00    |

—Cash, No C. O. D.—

JOS. H. CUNNINGHAM, Delaware, O.

Mention the American Florist when writing



C. E. Critchell.

President Cincinnati Florists' Society.

PHILADELPHIA, PA.—A fine show of sweet peas was held in Horticultural Hall, June 30. There was a great variety of fine flowers, the Spencer types predominating. The judges of the exhibits were Wm. Graham, A. E. Wohler and Harry A. Bunyard, and the show was held under the auspices of the Pennsylvania Horticultural Society. John W. Pepper, Edward V. Morrell, W. W. Frazier, Mrs. F. C. Penfield, Countess Eulalie, Craig Lipincott, C. B. Newbold and Geo. H. McFadden were the principal prizewinners.

## For the Grower

WE OFFER BARGAINS IN

Bride and Maid Roses, 2½ in., \$3.50; 3-in., \$5.00  
Mums, Col. Appleton, Cash. Willow Brook, Pink  
Ivory, J. K. Shaw, 2½ in., at..... \$ 2.50  
King Humbert Cannas, 4-in., ..... 10.00  
Stock plants of Daisies, 5-in., ..... .25  
All kinds of Ferns, 2½ to 10 in.

## For the Store Man

Fancy Boston and Whitmani, in 4-5-6-7-8-10 in.  
Fancy Leaved Caladiums, Tuberous-rooted Be-  
gonias and Gloxinias, 4 and 5 in., at \$15.00 per 100  
Araucarias, worth \$1.50, at..... \$1.00 each  
Hundreds of 3-in. assorted Begonias at \$5.60 per 100

GEO. A. KUHL,

Wholesale Grower, Pekin, Ill.

## Brides and Maids

2½ in., \$2.50, 100; \$25.00, 1000.  
Numerous other good sorts in prime stock

THE LEEDLE FLORAL COMPANY  
SPRINGFIELD, OHIO.

## WANTED.

Small Cycas Stems and 3-inch  
Pandanus Veitchii and P. Utilis.  
Quote prices. Address

Key 157, care American Florist.

GREENFIELD, MASS.—The store recently occupied by Mr. Sheldon and Frank Yetter, the florist, has been remodeled and will be occupied by Mr. Yetter.

CLARKSBURG W. VA.—J. Peters, in a letter to a Chicago friend, says it has been raining here ever since the comet left and looks likely to go on until it returns.



# ROSES

3-inch pots 100 1000  
Killarney. \$5.00 \$40.00

Owing to changes in our plans we have a few thousand specially prepared Killarneys in 3-inch pots to offer while they last at the above low prices. Writetoday.

**GEORGE REINBERG**

51 Wabash Avenue, CHICAGO.

Mention the American Florist when writing

## Carnations

**F. DORNER & SONS CO.**  
La Fayette, Ind.

Lexington, Ky.

Business is practically at a standstill and in fact there is nothing to report except that about one-half of the flowers coming in are carried to the dump barrels. Extremely hot weather is now upon us and is telling on cut flowers. Roses and carnations are getting small and in fact there is very little choice stock to be had. Longiflorum lilies are good and plentiful but the demand is slow. Some of the growers have been shipping them to out-of-town markets of late. Outdoor grown sweet peas are practically a failure in this section this year owing to the heavy rains. Some very good flowers are still being cut from the indoor grown stock. Gladioli are of fairly good quality. Asters have made their appearance and they are of good quality this year. Snapdragons are plentiful. There is a fair demand for green goods of all kinds and an ample supply. Flower beds in the cemeteries and other places are looking bad this summer owing to so much heavy rain.

### NOTES.

Mr. Cole, formerly rose and carnation grower for the Michler Bros. Co. on East Maxwell street, has accepted a position in Sisterville, W. Va. Mr. Cole is a good grower and we wish him much success in his new field.

Anderson & White on Georgetown street have bought the material for a conservatory and work will be begun in a few days.

Lucien Le Clere returned from Paris last week with a good string of fish. Lucien says fishing is fine in that section.

It is reported that Kelley & Curren, Clifton Heights, will erect a house 150 feet long for roses this summer.

J. Ferdinand Keller has become quite a baseball fan and can always be found rooting for the home team.

L. L. C.

Wichita, Kans.

Hot and dry comes pretty near describing the situation for this vicinity. No rain of consequence has fallen for about a month. Outdoor stock is at a standstill except where the hose is used. Carnations are standing it well so far but asters and other summer flowering stock show the effect of the dry weather in quality of stock produced and a prospect that later crops will be much shortened up. Business is at the summer dull mark, funeral work comprising the bulk of it. The growers will now find time to repair the roofs damaged by the heavy hail of May 1. Chrysanthemums are all planted and they are looking well so far.

# WE TAKE THE LEAD

In what? What a foolish question! Don't you know? Didn't you hear of **GODFREY ASCHMANN**, the great **Araucaria Importer, Grower and Shipper?** These so well favored, everlasting green decorative plants, the **Araucaria Excelsa, Robusta Compacta** and **Excelsa Glaucia**, are in favor more than ever this year.



This is our 25th anniversary since we began importing Araucarias. Watch! See us grow! Beginning 25 years ago with 100, our this year's (1910) importation is **10,000**, and more are coming this fall after I have made my selection of the choicest of the choice on my trip to Belgium; the growing district of the world in Araucarias and Azaleas. The trade is well informed that for many years past I go personally to Belgium to protect and select for my customers the best of **Araucarias, Azaleas, Palms, etc.**, that cash can buy there. Empty houses won't pay. Now is the time to fill your empty houses with something to grow into money while you are asleep.

Remember, it is the wide awake man that is not afraid to invest a dollar that makes the money. Please look at our special low prices for superior stock.

**Araucaria Excelsa**, raised from top cuttings, no seedlings. Plants, 5-5½-6-7 in. pots, 12-15 18-20-25-30 in. high, 3-4 5-6 tiers, 2-3-4-5 years old, 35c. 50c. 60c. 75c. \$1.00, \$1.25 to \$1.50 each.  
**Robusta Compacta, Excelsa Glaucia**, 6 in. pots, \$1.00 to \$1.25 each.  
**Kentia Forsteriana**, in fine shape, 6-in. pots, 30-35-40 45 in. high, 4-5-6 years old, 75c. \$1.00, \$1.25, \$1.50, \$2.00 to \$2.50 each.

**Kentia Belmoreana**, 25 30-35-40 in. high 5-5½-6-7 in. pots, 5-6-7 years old, 50c. 75c. \$1.00, \$1.25, \$1.50 to \$2.00 each.

**Kentia Belmoreana**, 2½ to 3 in., 10c each.

**Standard Bay Trees**, 1-foot tubs, 7 ft. high from bottom up, \$8 (0 per pair).

**Sago Palms**, ready July 15, 6-7-8 in. pots, from 5 to 20 leaves 10c per leaf.

**Cocos Weddelliana**, 3 in. pots, 18c to 20c.

**Nephrolepis Whitmanii** Boston and Scottii, 4-in., 20c; Scholzei 4 in., 25c; 6-in., 40c.

**6,000 Ferns** now ready, 5, 5½ to 6 in. pots, 35c, 40c and 50c.

**Ferns for Dishes**, big assortment, 2½-in. pots, at \$3.00 per 100.

**Begonia Gloire de Lorraine**, deep pink, 4-in., 25c.

**Begonia Lonsdale**, pale pink, 4-in., only 25c.

**Begonia Vernon**, pink and red, 4-in., 7c.

**Begonia Flambeau**, 6-in., 25c.

**Fuchsias**, in bloom, assorted, 4-in., \$7.00 per 100.

**Cannas**, Richard Wallace (best of the red), J. D. Eisele (also one of the new best reds), large 4-in., \$7.00 per 100.

**Scarlet Sage**, Clara Bedman, 4-in., 7c.

**Double Petunias**, 4-in., in bloom (red or pink), 7c.

**Coleus**, Golden Bedder, Queen Victoria, 2½-in. 3c.

**Summer Chrysanthemums** or Paris Daisies, 2½-in. pots, 33c.

**English Ivy**, 3 in., 5c.

**Primula Obconica**, best strain, 4 in., 10c; 5-in., in bloom, 15c.

**Cosmos**, separate colors, 2½-in., \$3.00 per 100.

We have an unsurpassed strain of **Solanum Multiflorum** (Jerusalem Cherries). Can offer only a limited quantity. 2½-in. pots, \$5.00 per 1000.

Cash with order, please.

All plants must travel at purchaser's risk.

## GODFREY ASCHMANN

Wholesale Grower and Importer of Potted Plants, 1012 West Ontario St., PHILADELPHIA, PA.

# BEGONIA

## Gloire de Lorraine

Fine Stock, from 2½-in. pots.

Doz., \$2.00; per 100, \$15.00; per 1000, \$140.00.

## VAUGHAN'S SEED STORE

25 Barclay St., NEW YORK. 84-86 Randolph St., CHICAGO.

## SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums  
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

**Wood Brothers,** FISHKILL, New York.

### NOTES.

Dugan & Cain are busy moving the "Fairview Greenhouses" to their new location at Ninth street and Hillside avenue. This location is practically at the gates of the two leading cemeteries. They expect to have a better equipment than ever when the rebuilding is completed.

Walter Davidson, who was with W. H. Culp & Co. for several years, has taken a position with Chas. P. Mueller.

Miss Minnie Rose will start at once for California for the summer.

W. I. CHITA.

## Field-Grown Carnations...

10,000 White Enchantress, 10,000 White Perfection, 8,000 R. P. Enchantress, 7,000 Enchantress, 4,000 Victory, 12,000 Winona, 5,000 Lawson Enchantress, 2,500 Winsor, 300 Beacon, \$6.00 per 100; \$50.00 per 1000; 250 at 1000 rates. Cash. Limestone land; no stem rot.

W. Fargo, U. S. and American Express.

**W. SABRANSKY, Kenton, Ohio**

Mention the American Florist when writing

## Good Plant Stock For Sale

5000 American Beauties, at.....12c  
2000 Maids, at.....6c  
300 Gardenias, extra fine.....25c  
All plants in 4-in. pots,  
Also 10 secondhand 4-in hot water valves at \$2.50 each.

**BRANT-HENTZ FLOWER CO., MADISON, N. J.**

Mention the American Florist when writing



# Vaughan's Giant Pansies

**10 per cent special CASH DISCOUNT.** On orders over \$2 for Flower Seeds if cash is enclosed, **10 per cent.** The discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent.

## VAUGHAN'S "ELITE PANSIES."

This is not a complete mixture like our International; it does not contain any pure white, yellow or any self colors. It is comprised of the cream of four Pansy specialists' choicest and most expensive mixtures. Trade pkt., 50c, ½ oz., \$1.00.

## VAUGHAN'S PREMIUM PANSY MIXTURE.

Embraces all the varieties of the Fancy German Sorts. We have sold this mixture for the past seventeen years, and it has given general satisfaction. Per pkt. 25c; ½ oz., 75c; ½ oz., \$2.50; oz., \$5.00.

## IMPROVED GERMAN MIXTURE.

This is a mixture of three strains from different German growers, and is made up mostly of separate colors, with a sufficiently large percentage of white and yellow. Per large pkt., 10c; ½ oz., 20c; ¼ oz., 30c; oz., \$1.00.

## VAUGHAN'S INTERNATIONAL PANSIES.

Vaughan's International Pansy Mixture was first prepared and offered by us in 1889. We import from all the best European sources, and personally inspected the fields of French and German specialists of their finest strains. Each year has added to the quality of its flowers, the variety of its colors. We buy every year novelties of known merit to improve the mixture. This is the reason it is always complete, always the latest and always the best mixture AS WE BELIEVE. We add to all the Pansy Mixtures, which we now buy more than fifty per cent of choicest named kinds obtainable, each in rightful proportion. We thus know what it will produce. This is one of the SPECIALTIES which has established and held the reputation of Vaughan's Flower Seeds and this is one which we maintain most carefully, not alone as to quality, but in vitality and germination. You are beginning right in Pansy growing when you start with Vaughan's International Mixture. Trade pkt., 50c; ½ oz., \$1.50; ½ oz., \$5.00; oz., \$10.00.

## VAUGHAN'S CUT FLOWER MIXTURE.

This mixture is put up by ourselves and contains mostly light colored sorts. We have sold this mixture for several seasons to some of our Chicago cut flower growers, who have realized big returns from the sale of the flowers. Pansies are as easily grown as violets, require less care and bring better returns. Trade pkt., 50c; ½ oz., \$1.00; ¼ oz., \$2.00; oz., \$8.00.

## VAUGHAN'S "GIANT PANSY MIXTURE."

Embraces besides all the separate shades and colors, five special strains not listed elsewhere, and which can only be had in this and our International mixture. This mixture includes the richest reds, coppers and bronzes, together with the most delicate rose and pink shadings, all the distinct colors of Trimardeau, the splendid Cassier strain. Trade pkt., 25c; ½ oz., 60c; oz., \$4.00; ¼ lb., \$14.00.

Our list of "Seeds for Summer Sowing" now ready; if you have not received a copy please write for same.

# VAUGHAN'S SEED STORE,

84 and 86 Randolph St., CHICAGO

Greenhouses: Western Springs, Ill.

25 Barclay St., NEW YORK.

## Seasonable Stock

Per 100 Per 1000

|                                       |        |         |
|---------------------------------------|--------|---------|
| Primula Obconica, Ronsdorf hybrid     |        |         |
| 2½-in.                                | \$3 00 | \$25 00 |
| Chinese Primroses, very best English  |        |         |
| and French strains, 2½-in.            | 3 00   | 25 00   |
| Poinsettias, fine stock, 2½-in.       | 5 00   | 45 00   |
| Ferns for Dishes, assorted varieties. |        |         |
| 2½-in. pots                           | 3 50   | 30 00   |

Cash with order.

We extend a cordial invitation to members of the trade who visit Chicago to call and see us. We try to have things attractive and interesting at all times.

**FRANK OECHSLIN,**

4911 Quincy St., CHICAGO.

Mention the American Florist when writing

MANCHESTER, MASS.—Miss Helen Hooper won the silver cup offered by Mrs. James McMillan at the North Shore Horticultural Society's show July 1 for the best collection of garden roses. As this is the second time Miss Hooper has won it the cup now becomes her property permanently.

BATAVIA, N. Y.—D. L. Lent, as referee, on July 2 sold the Liebsch greenhouse property on West Main street under foreclosure proceedings brought by Merton L. Dennis of this city against Mrs. Matilda Wells of New York, Paul Liebsch and others. After spirited bidding by Herbert E. M. McGraw of Buffalo, representing Mr. Dennis, the holder of the first mortgage and others, the property was knocked down to the latter at \$9,250.

## Smilax, Sprengeri,

Smilax at \$12.00 per 1000

Sprengeri at \$15.00 per 1000.

Let me send you a sample.

**ALBERT M. HERR,**

## Chrysanthemums

We have the following plants ready for immediate shipment in quantities from 100 to 1000:

Beatrice May, Clementine Touset, Comoleta-Cremo, Crocus, Dr. Enguehard, Early Snow, Gloria, Golden Wedding, Helen Frick, Intensity, Jeanne Nonin, L' Africain, Lynwood Hall, Monrovia, Mrs. W. E. Kelley, Mrs. Coombes, Mrs. Robinson, Nagoya, October Frost, Pink Ivory, Robt. Halliday, Rosiere, Virginia Poehlmann, Vivand Morel, White Bonnaillon.

\$2.50 per 100.

When making order, please state if we may substitute in case we are sold out of varieties selected.

**Elmer D. Smith & Co., ADRIAN, MICH.**

Mention the American Florist when writing

MUSKEGON HEIGHTS, MICH.—John Highburg, late of New Castle, Ind., where he has been running the retail store of Weiland & Olinger, intends to go into business here, making a specialty of lily of the valley growing.

## Geraniums, Rooted Cuttings

Ricard, Poitevine and S. A. Nutt. Orders booked for delivery on or before Oct. 15 at \$10.00 per 1000.

**Lancaster, Pa.**

## A New Fern NEPHROLEPIS GIATRASH

Awarded a Certificate of Merit by the Horticultural Society of New York.

Prices: In 2½-inch pots, \$2.00 per dozen; \$12.00 per 100; \$100.00 per 1000. 25 plants at 100 rates; 250 plants at 1000 rates. Orders delivered in rotation as received. Now Ready for delivery,

**GEORGE GIATRASH,**  
463 Summit Ave., West Hoboken, N. J.

Mention the American Florist when writing

## PALMS, FERNS

AND

## Decorative Plants

**JOHN SCOTT,** Rutland Rd. & E. 45th St.  
BROOKLYN, N. Y.

Mention the American Florist when writing



# Dreer's Special Offer of Fine Ferns



**Nephrolepis Scholzei.**

**Mixed Ferns for Dishes.**

We have at all time a good supply of these in good assortment.  
2½-in. pots. \$3.50 per 100; \$30.00 per 1000.

For a complete list of seasonable stock offered by us at this time see our current wholesale list. If you have not received a copy it will be mailed to you on application.

**HENRY A. DREER, Inc., 714 Chestnut Street, Philadelphia, Pa.**

**JOSEPH HEACOCK CO.**

WYNCOTE, PA.

**Growers of Fine Kentias**

Send for Price List.

Medford, Mass.

Mrs. E. M. Gill celebrated her eightieth birthday June 28 and throughout the day the charming Gill homestead with its rose gardens and greenhouses bore a most hospitable air and callers were numerous. From 2 to 5 o'clock in the afternoon the venerable hostess gave a delightful at home to 125 of her friends, who came from far and near to offer congratulations, tender birthday remembrances, and wish her many more years of successful activity and happiness. The rooms and halls of the house were beautifully decorated.

The affair was pleasurably informal. A merry exchange of social greetings, a ramble among the roses of the garden where Mrs. Gill stood to have her picture snapped by Robert Cameron of the Botanical Gardens of Harvard University, and a delightful hour over the refreshments made the afternoon one long to be remembered.

A pleasant feature was the presentation to Mrs. Gill of a silver purse containing 80 gold dollars by Secretary William P. Rich, on behalf of the Massachusetts Horticultural Society. Accompanying the purse was a letter to the effect that "at a meeting of the trustees of the Massachusetts Horticultural Society, held June 14, it was unanimously voted that you be made a life member, with remission of usual dues, in recognition of your eightieth birthday and also of your 45 years of interested service in the work of the society."

**Extra  
Fine....**

# Rose Stock

**Ready to Ship**

|                      | 2½-in.  | 3½-in.  | 2½-in.                       | 3½-in.                          |
|----------------------|---------|---------|------------------------------|---------------------------------|
|                      | 100     | 1000    | 100                          | 1000                            |
| White Killarney..... | \$ 8.00 | \$75.00 | Richmond, .....              | \$ 5.00 \$45.00 \$ 7.00 \$65.00 |
| Pink .....           | 6.00    | 55.00   | Perles, elegant stock        | 5.50 50.00 7.50 70.00           |
| My Maryland.....     | 6.00    | 55.00   |                              | Per 100 Per 1000                |
| Kaiserin, .....      | 3.00    | 30.00   | American Beauties, 3-in..... | \$ 7.50 \$ 70.00                |
| Cardinal,.....       |         |         | American Beauties, 4-in..... | 12.00 110.00                    |

## CHRYSANTHEMUMS

**100,000 2½-in. Mums of the Following Varieties.**

Good strong stock, ready for benching:

|                       | RED.           | 2½-in. per |                                      | WHITE.          | 2½-in. per     |
|-----------------------|----------------|------------|--------------------------------------|-----------------|----------------|
|                       |                | 100 1000   |                                      |                 | 100 1000       |
| Schrimpton.....       | 3.00           | 25.00      | Timothy Eaton.....                   | 3.00            | 25.00          |
| Intensity.....        | 3.00           | 25.00      |                                      |                 |                |
|                       | <b>YELLOW.</b> |            |                                      | <b>POMPONS.</b> | 2½-in. per 100 |
| Golden Glow.....      | 4.00           |            | Baby. Klondyke. Zenobia, yellow..... | \$2.50          |                |
| Halliday.....         | 3.00           | 25.00      | Biola, pink.....                     | 2.50            |                |
| Major Bonnaillon..... | 3.00           | 25.00      |                                      |                 |                |

## SPECIAL OFFER—BIG BARGAIN.

This is the time to plant Oct. Frost and Monrovia.

|                        |                  |                             |                  |
|------------------------|------------------|-----------------------------|------------------|
| Monrovia, 2½-in .....  | \$20.00 per 1000 | Merry Christmas, 2½-in..... | 20.00 per 1000   |
| Oct. Frost, 2½-in..... | 20.00 per 1000   | Roosevelt, 2½-in.....       | \$25.00 per 1000 |

Smilax, 3-in., \$4.50 per 100; \$40.00 per 1000.

**POEHLMANN BROS. CO., Morton Grove, Ill.**

tural Society, held June 14, it was unanimously voted that you be made a life member, with remission of usual dues, in recognition of your eightieth birthday and also of your 45 years of interested service in the work of the society."

Included among the numerous other gifts received by Mrs. Gill was a

handsome gold recognition pin of the W. R. C., from the 11 remaining charter members of S. C. Lawrence corps, No. 5. The guests included prominent members of the Massachusetts Horticultural Society; New England Dahlia Society, Gardeners' and Florists' Club of Boston, the Floral Emblem Society and others.







## TRADE LIST

**Clematis**, paniculata, strong plants, \$10.00 per 100;

**Passiflora** coerulea, 3-in. pots \$5.00 per 100.

**Rose Geraniums**, 3-in. pots, \$4.00 per 100

Plants from 2½-in. pots, \$3.00 per 100;  
**Chrysanthemums**, White Cloud, Pacific Supreme, Golden Glow, Ivory, Bailey, Klondike, Lulu.

**Asparagus Sprengeri**, 2-in. pots, \$2.00 per 100; 2½-in. pots \$3.00 per 100.

**Salvia**, Bonfire -in. pots, \$3.00 per 100.

**Begonia Vernon** in bloom, 3-in. pots, \$5.00 per 100.

**Asparagus Sprengeri**, strong plants from 3-in. pots, \$5.00 per 100.

**Poinsettias**, 3-in. pots, \$5.00 per 100.

**C. EISELE,**

11th and Westmoreland Sts. Philadelphia, Pa.

## Chrysanthemum Plants

From 2½-in. Pots.

| WHITE             | Per 100 | 1000    |
|-------------------|---------|---------|
| Oct. Frost .....  | \$2 00  | \$15 00 |
| White Cloud ..... | 2 00    | 15 00   |

| YELLOW              | Per 100 | 1000  |
|---------------------|---------|-------|
| Monrovia .....      | 2 00    | 15 00 |
| Oct. Sunshine ..... | 2 00    | 15 00 |
| Appleton .....      | 2 00    | 15 00 |
| Y. Eaton .....      | 2 50    | 20 00 |
| Halliday .....      | 2 00    | 15 00 |

**J. D. THOMPSON CARNATION CO.,**  
**JOLIET, ILL.**

Albany, N. Y.

As many members of the Florists' Club as could attend were present at the July meeting which was held at the home of the president, Fred Goldring, Font Grove, a small station on the Delaware & Hudson railroad a short distance southwest of the city. The meeting was held on the evening of July 7. Many went out on an early train and took advantage of the opportunity to inspect the greenhouses and grounds which at this season of the year are attractive. F. A. Danker, as chairman of the flower show committee, submitted his final report on the show held last November in the state armory. The receipts were \$1791.56; expenditures, \$1774.50; balance, \$17.06. Tickets to the amount of \$42.75 are still out but reports on many of these are expected later. As the club did a little better than to clear expenses on the show the members feel encouraged to go ahead with the second one.

An encouraging report was made on the distribution of flowers at the high school commencement. The plan to have a competent man at the hall to attend to the distribution of the pieces worked to the satisfaction of the florists and the authorities of the high school who wondered why the plan was not put into vogue long ago. An encouraging report was also received from the committee interested in early closing during the summer season and the outlook is that all will be in line this year. Shops will be closed at 6 p. m. and on Saturday afternoons until Labor day. Henry Schrade, carnation grower of Saratoga Springs, was unanimously elected a member of the club. Those proposed for membership were: John Ralph, Saratoga; Walter Mott, Newburgh; Thomas Keleher, Marvin P. Sheflin, and A. B. Reynolds. The resignation of Louis Menand, Sr., as treasurer of the club and of the flower show committee was accepted with regret. Mr. Menand explained that owing to ill health he could no

## The Kenilworth Strain of Giant PANSY SEED



**Must Not Be Compared  
With the Flimsy  
Trimardeau**

It is much larger and of good substance; the immense flowers, of 3½ to 4 inches, are of perfect form, and every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. It is the result of years of selections.

The Stock Plants are selected from many thousands of plants grown for market. It is rich with shades of brown, bronze, red, mahogany, and many others too numerous to mention. Light, Medium or Dark Mixtures.

### 1910 SEEDS NOW READY

2000 seeds, 50c; 5000, \$1.00; 1½ ounce, \$1.25; ounce, \$5.00; pound, \$50.00

|                               | Tr. pkt. |                               | Tr. pkt. |
|-------------------------------|----------|-------------------------------|----------|
| Giant Yellow .....            | \$0.25   | Giant Bronze Shades .....     | \$0.25   |
| Giant Yellow, dark eye .....  | .25      | Giant Purple .....            | .25      |
| Giant Lord Beaconsfield ..... | .25      | Giant Black .....             | .25      |
| Giant Madame Ferret .....     | .25      | Giant Light Blue Shades ..... | .25      |
| Giant White, dark eye .....   | .25      | Giant Dark Blue Shades .....  | .25      |
| Giant Red Shades .....        | .25      | Giant Masterpiece .....       | .25      |

Collection—5 trade pkts. of any of the above varieties for \$1.00.

One trade pkt. each of the 12 above varieties for \$2.25.

**Rainbow**—Is a blend of over fifty of the latest introductions in Giant Pansies of the most beautiful and gorgeous colors, blotched, striped, veined, margined, etc. With every \$1.00 worth of Pansy Seed, I will send, free, 1000 seeds of Rainbow, and with other amounts in like proportion

**Chas. Frost**  
**Kenilworth,**  
**N. J.**



## CALLA LILY BULBS

Prices quoted for July delivery.

### Narcissus Bulbs

Write for wholesale price list.

Planting stock of

**America Gladiolus Bulblets**

at \$3.50 per 1000, postpaid.

**LEEDHAM BULB CO.,** Santa Cruz, California.

### NOTES.

Henkes Bros., Newtonville, are building an addition 50x58 feet to their King construction house put up last summer.

H. G. Eyres and family have taken up their residence for the summer at Island Harbor, Hague, Lake George.

William Hannell, Watervliet, is building an addition 30x100 feet for carnations.

Visitor: Walter Mott of the Yuess Gardens Co., Newburgh.

R. D.

longer attend to the duties. During the period of the show last year Mr. Menand's services were invaluable and the club feels the need of his work this year. Patrick Hyde was elected to succeed him and a vote of thanks was extended to Mr. Menand. Following the meeting refreshments were served and a good social time had with songs by J. J. McCarthy, who has entertained the members a number of times with his clever work. The August meeting will be held at the establishment of F. A. Danker, Central avenue, on the evening of August 4.



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Yours very truly,

ROBERT SCOTT & SON. (Signed)  
Alexander B. Scott.

Messrs. Scott &amp; Son have recently placed with us an order for another large addition to their plant.

Send for Bulletin No. 35 which describes  
The King Iron Frame Construction.  
KING CONSTRUCTION CO., North Tonawanda, N. Y.

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Alyssum, dwf. and giant, 3-in., \$3 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

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Alternantheras, strong rooted cuttings. P. major, red, 50c per 100; \$4 per 1,000. A. nana, yellow, 50c per 100; \$4 per 1,000; Brilliantissima, best red, 60c per 100; \$5 per 1,000. R. R. Davis & Co., Morrison, Ill.

Alternantheras, red and yellow, \$2 per 100. Jos. H. Cunningham, Delaware, O.

Alternantheras, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

## ASPARAGUS.

Asparagus plumosus, 2-in., \$3 per 100; 3-in., \$1.50 per doz.; \$7 per 100; 4-in., \$1.50 per doz. Sprenger, 2-in., \$2.50 per 100; 3-in., \$1 per doz.; \$6 per 100; 4-in., \$1.25 per doz.; \$10 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

Asparagus Sprenger, 2½-in. pots, fine stock, \$2.25 per 100; \$20 per 1,000. The Good & Reese Co., Largest Rose Growers in the World, Springfield, O.

Asparagus Sprenger, 2-in., \$3 per 100; 3-in., \$6. Plumosus, 2-in., \$3; 3-in., \$7. D. U. Augspurger & Sons Co., Box 394, Peoria, Ill.

Asparagus Sprenger, 2-in., \$2 per 100; 2½-in., \$3; 3-in., \$5. C. Elsie, 11th and Westmoreland Sts., Philadelphia.

ASPARAGUS SPRENGER, extra heavy, 3½-in., \$4 per 100. Wagner Park Conservatories, Sidney, Ohio.

Asparagus Sprenger, 4-in., 9c each. Plumosus, 2½-in., \$3 per 100; \$27.50 per 1,000. Mosback Greenhouse Co., Onarga, Ill.

Asparagus Sprenger, \$15 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus Sprenger, 2½-in., \$2. Jos. H. Cunningham, Delaware, O.

Asparagus Sprenger, 2-in., \$1.50 per 100. Woolsev, Florist, Rockford, Ill.

Asparagus plumosus, 2-in., \$2.25 per 100; \$20 per 1,000. W. W. Coles, Kokomo, Ind.

## ARAUCARIAS.

Araucarias. For prices and varieties see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

## ASTERS.

Asters, \$1.75 per 1,000; 5,000, \$7.50. J. C. Schmidt, Bristol, Pa.

## AZALEAS.

Azaleas. Jans Smits, Naarden, Holland.

## BAY TREES.

Bay trees. For prices and sizes, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago & New York.

BAY TREES, all sizes of best quality. Write for prices. Wagner Park Conservatories, Sidney, Ohio.

Bay trees, standard, 7 ft., \$8 per pair. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Bay trees, Bobbink & Atkins, Rutherford, N. J.

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Bedding plants: Cannas, R. Wallace, J. D. Eisele, 4-in., \$7 per 100. Salvia C. Bedman, 4-in., 7c. Verbenas, phlox, single petunias, 3c. Dbl. petunias, 4-in., 7c. Coleus, G. Bedder and Queen Victoria, 2½-in., 3c. Dusty Miller, 3c. Lobelia, 3c. Paris daisies, acalypha, nasturtiums, tradescantia, ground ivy, 2½-in., 3c. English ivy, 3-in., 5c. Moonvine, 4-in., 10c; 2½-in., 5c. Primula obconica, 4-in., 10c; 5-in., 15c. Dbl. white geraniums, Poitevine; lantanas heliotrope and ageratum, 7c. Cosmos, 2½-in., \$3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

## BEGONIAS.

Begonia Gloire de Lorraine, 3-in., 20c; 4-in., 25c. Vernon, 4-in., 7c. Flambeau, 6-in., 25c. G. Aschmann, 1012 W. Ontario St., Phila.

Begonia Gloire de Lorraine, 2½-in., \$15 per 100; \$140 per 1,000. Vaughan's Seed Store, Chicago and New York.

Begonia Lorraine, 2½-in., twice transplanted, \$12 per 100; in 500 lots, \$50 the 500. Julius Roehrs Co., Rutherford, N. J.

Begonia, Glory of Cincinnati. J. A. Peterson, Westwood, Cincinnati, O.

Begonia Vernon, 5-in., \$5 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Rex Begonias, 2-in., \$5 per 100. Geo. M. Emmans, Newton, N. J.

## BOXWOOD.

Box trees. For prices and sizes, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Box trees, all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

Boxwood, Bobbink & Atkins, Rutherford, N. J.

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Gladiolus Alice Carey, the best white in cultivation, No. 1 bulbs, \$5 per 100; \$40 per 1,000. America, No. 1, \$4 per 100; \$30 per 1,000. Golden Nugget, best bright yellow, \$1.50 per doz.; \$10 per 100. Princess, \$1.25 per doz., \$8 per 100. List free. E. Y. Teas Co., Centerville, Ind.

Bulbs, Lillium longiflorum multi, 7-9, \$50 per 1,000. Giganteum, 7-9, \$65. Formosum, 7-9, \$65. Buds. 76 Barclay St., New York.

Bulbs, calla lily and narcissus. America gladiolus bulbets, \$3.50 per 1,000. Leedham Bulb Co., Santa Cruz, Calif.

Bulbs, freesias, Bermuda white, ½ to ¾ ins., \$9 per 1,000; ¾ to 1 in., \$7.50. Vaughan's Seed Store, Chicago and New York.

Chinese sacred lilies, \$3 per 100; \$25 per 1,000. Dingee & Conard Co., West Grove, Pa.

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Bulbs, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, all florists' varieties. H. E. Fiske Seed Co., Faneuil Hall Square, Boston.

Bulbs, Callas. Berrydale Exp. Gardens, Holland, Mich.

## CACTI.

Cacti. Over 100 varieties of cacti, from \$7 per 100 up. Write for 28-page catalogue and prices to the trade. Also Mexican Resurrection plants. The Francis E. Lester Company, Dept. 7, Mesilla Park, N. M.

## CANNAS.

Cannas, King Humbert, Alp. Bouvier, Egan-dale, F. Vaughan, Jean Tissot, Louisiana, Pennsylvania, Pres. Myers, R. Wallace, etc. R. Vincent, Jr., & Sons Co., White Marsh, Md.

## CARNATIONS.

Carnations, W. Enchantress, W. Perfection, R. P. Enchantress, Enchantress, Victory Wil-nona, Lawson-Enchantress, Winsor, Beacon, \$6 per 100; \$50 per 1,000. W. Sabransky, Kenton, O.

Carnation Alvina, 10-20 shoots, \$10 per 100; 5-10 shoots, \$7.50; Henry Eichholz, Waynes-boro, Pa.

Carnations, field-grown, August 1. Apple Blossom, Wanoka, \$6 per 100; \$50 per 1,000. Wanoka Greenhouse, Barneveld, N. Y.

Carnations, Conquest, Sangamo, Mary Tol-mau, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., Joliet, Ill.

Carnations. F. Dorner & Sons Co., Lafay-ette, Ind.

Carnations. Wood Bros., Fishkill, N. Y.

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| CHRYSANTHEMUMS.    |         | CHRYSANTHEMUMS.       |         |
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| R. C. out of soil. |         | Yellow.               | Per 100 |
| White.             | Per 100 | G. Glow.....          | 4.00    |
| Oct. Frost.....    | \$2.00  | Pink.                 |         |
| W. Bonnaffon.....  | 2.00    | P. Ivory.....         | 2.00    |
| W. Ivory.....      | 2.00    | Red.                  |         |
| M. Xmas.....       | 2.00    | B. Hawk.....          | 2.00    |
| Snow Queen.....    | 2.50    | 2-inch pots.          |         |
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| Bonaffon.....      | 2.00    | Snow Queen.....       | 3.00    |
| R. Halliday.....   | 2.50    | Souv. de Scande-laris | 3.00    |
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|-------------------|--------|------------------|--------|
| W. Ivory.....     | \$2.00 | Rosiere.....     | \$2.00 |
| Oct. Frost.....   | 2.00   | P. Ivory.....    | 2.00   |
| W. Bonnaffon..... | 2.00   | W. Chadwick..... | 2.00   |
| M. Xmas.....      | 2.00   | G. Beauty.....   | 2.00   |
| Bonaffon.....     | 2.00   | B. Hawk.....     | 2.00   |
| G. Glow.....      | 2.00   | Intensity.....   | 2.00   |

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| Baby Margaret..... | \$3.00 |
| Baby.....          | 3.00   |
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Chrysanthemums. We have 75 varieties, including singles and pompons, \$15 per 1,000. "Enough Sed." Ebnan's, Corfu, N. Y.

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Chrysanthemums, 2½-in.: Oct. Frost, W. Cloud, Monrovia, Oct. Sunshine, Appleton, Hal-liday, \$2 per 100; \$15 per 1,000. Y. Eaton, \$2.50 per 100; \$20 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Chrysanthemums. For varieties and prices see advertisement on page 1214. Elmer D. Smith & Co., Adrian, Mich.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It



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Extra fine stock of the following varieties:  
 2½-in. per 100 1,000  
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 Timothy Eaton ..... 3.00 25.00

**YELLOW.**

Golden Glow ..... 4.00 .....  
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This is the time to plant Oct. Frost and Monrovia.  
 Monrovia, 2½-in. .... \$20.00 per 1,000  
 Oct. Frost, 2½-in. .... 20.00 per 1,000  
 Merry Christmas, 2½-in. .... 20.00 per 1,000  
 Roosevelt, 2½-in. .... 25.00 per 1,000  
**POMPONS.** 2½-in., \$2.50 per 100. Baby Klondike, Zenobia, Lulu, Diana, Briola, Quinola.  
**POEHLMANN BROS. CO.,** Morton Grove, Ill.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

Chrysanthemums, J. Nonin, \$1.50 per 100. Byer Bros., Chambersburg, Pa.

**CLEMATIS.**

Clematis paniculata, \$10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

**COLEUSES.**

Coleus, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

**CYCLAMENS.**

Cyclamens, 2-in., \$3.50 per 100; 3-in., \$1 per doz.; \$7 per 100; 4-in., \$2 per doz.; \$15 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

Cyclamen Persicum Giganteum, large flowering, mixed colors, fine bushy stock, 4-in., \$10 per 100. Cash, J. W. Miller, Shiremanstown, Pa.

Cyclamen, 2-in., \$3.50 per 100; 3-in., \$1 per Nutt, \$10 per 1,000. A. M. Herr, Lancaster, Pa.

**DAHLIAS.**

Dahlia Earl of Pembroke, \$4 per 100; field-grown, undivided roots. Order today. Wagner Park Conservatories, Sidney, O.

Dahlia roots. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Dahlia, Pape & Bergman, Quedlinburg, Germany.

**DRACENAS.**

Dracena indivisa, 4-in., \$10 per 100. Geo. M. Emmans, Newton, N. J.

Dracenas. Bobbink & Atkins, Rutherford, N. J.

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Over million and a half of Fern Seedlings. Strong, healthy stock now ready for potting. Assortment of 15 best varieties for fern dish filling, my selection, \$1 per 100; \$9.50 per 1,000; \$8.50 per 1,000 in 25,000 and \$8 per 1,000 in 50,000 lots. Small orders of 100 and 200 can be sent by mail if desired and postage of 10c per lot is remitted. Satisfaction and safe arrival guaranteed or money refunded. Cibotium Schiedel, 2-in., \$3.25 per doz.; \$25 per 100; \$240 per 1,000; 5-in., \$1, and 6-in., \$1.75 each. Adiantum cuneatum, best maidenhair fern for cut fronds, 2½-in., \$3.50 per 100; \$30 per 1,000. Assorted ferns for fern dishes, 2½-in., \$3 per 100; \$25 per 1,000. J. F. ANDERSON, Fern Specialist, Short Hills, N. J.

Neph. Glatrasil, 2½-in., \$2 per doz.; \$12 per 100; \$100 per 1,000. Geo. Glatras, 463 Summit Ave., West Hoboken, N. J.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Ferns, Boston, 2½-in., 4c; Pierson, 3-in., 8c; Boston and Elegantissima, mixed, 3-in., 8c to close out. Mosback Greenhouse Co., Onarga, Ill.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

Ferns, Whitman, 2½-in., \$5 per 100; \$40 per 1,000; from bench, 5 and 6-in., 25c each. Magnifica, 2½-in., \$15 per 100. H. H. Barrows & Son, Whitman, Mass.

Ferns, Boston, 2½-in., \$4.50 per 100; 4-in., \$2 per doz.; \$15 per 100; 5-in., \$3 per doz.; \$25 per 100. Whitman, 2½-in., \$5 per 100; 4-in., \$2 per doz.; \$15 per 100; 5-in., \$3 per doz.; \$25 per 100. Assorted for dishes, 2-in., \$3 per doz. D. U. Augspurger & Sons Co., Peoria, Ill.

Ferns, Boston, 12-in., \$5 to \$7.50 each; 6-in., 50c. Elegantissima Improved, 2½-in., \$10 per 100; 4-in., 25c each; 6-in., 50c. Superbissima, 4-in., 25c each; 6-in., 50c; 8-in., \$1. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Whitman, Boston and Scotti, 4-in., 20c; Scholzei, 4-in., 25c; 5-in., 40c. C. Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

**FEVERFEW.**

Feverfew, 2½-in., \$1.50 per 100. Mosback Greenhouse Co., Onarga, Ill.

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Geraniums, strong, 2-in. stock, Heteranthe. Nutt, Jean Viand, La Favorite, L'Aube, Hill, \$2 per 100; \$18 per 1,000. Our selection, \$17 per 1,000. Pamela, \$4 per 100. Anastasia Legendre, \$3 per 100. Red Wing, the best novelty of the season, 25c each; \$2.50 per doz. Write for geranium catalogue. F. H. DeWitt & Co., Wooster, Ohio.

Geraniums, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Viand, Castellane, Poitevine, Jaulin, Richard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$5 per 100. Mme. Sallerol, 2-in., \$3 per 100. G. M. Emmans, Newton, N. J.

**SPECIAL OFFER.** 15,000 Jean Viand, from 2½-in. pots, stock strictly first-class; immediate delivery, \$1.50 per 100; \$14 per 1,000. Cash. The W. T. Buckley Co., Springfield, Ill.

Rose geraniums, 3-in., \$4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Rose scented geraniums, \$1 per 100; \$9 per 1,000. S. W. Carey, Urbana, O.

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Greens, fancy and dagger ferns, \$1.25 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large bales, \$1.25; Leucothoe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch, 50 lbs., \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, dagger and fancy ferns, \$1 per 1,000. Bronze and green galax, \$1 per 1,000. Leucothoe sprays, \$1 per 100; \$7.50 per 1,000. Southern wild smilax, branch laurel, laurel festooning, green and sphagnum moss, boxwood sprays. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, southern wild smilax, Log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 33 W. 28th St., New York.

Greens, cut palmetto and cypress leaves, galax, leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

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Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

German iris, 50 vars., \$6 per 100. Japan iris, 10 vars., \$8 per 100. Bobbink & Atkins, Rutherford, N. J.

**HELIOTROPES.**

Heliotrope, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Heliotrope, 2½-in., \$2 per 100. Mosback Greenhouse Co., Onarga, Ill.

Heliotrope, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

**HYDRANGEAS.**

Hydrangea Arborescens Grandiflora Alba. We have the largest stock of strong 2 and 3-year-old plants in America, at attractive prices. Inspection of stock desired. E. Y. Teas, Centerville, Ind.

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Jerusalem cherries, 2-in., \$3 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

Jerusalem Cherries, 2-in., \$1.50 per 100. Byer Bros., Chambersburg, Pa.

**LILACS.**

Lilacs. Jaes Smits, Ltd., Naarden, Holland.

**LILY OF THE VALLEY.****To Import.**

Lily of the valley. Jaes Smits, Ltd., Naarden, Holland.

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Nursery stock, conifers, boxwoods, azaleas, rhododendrons, forest and fruit trees, hedge plants, etc. S. A. Vosters & Sons, Riel, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

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Palms, Kentias. Joseph Heacock Co., Wyncote, Pa.

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Palms. Bobbink & Atkins, Rutherford, N. J.

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Smilax, 2-in., \$3 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

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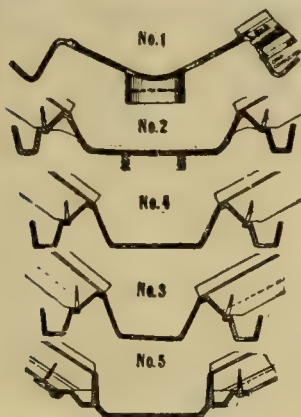
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### Air Nitrate Fertilizers.

Consul-General Frank H. Mason, of Paris, writing of the production of nitrogen from the atmosphere, and its use for economic purposes, especially as a fertilizer in agriculture, says that as thus far developed in Europe it is a direct sequel to the manufacture of calcium carbide by the application of electric heat to lime and carbon. He also says:

"When this process was discovered some years ago it was assumed that acetylene gas, generated from calcium carbide, would largely supplant coal gas and revolutionize the existing system of artificial lighting. The first essential requisite for carbide production was abundant and cheap electric current, and extensive plants were erected along water courses of Europe and preparations made to supply a large and steadily increasing demand. But it was soon found that acetylene gas was a difficult and, under certain conditions, a dangerous element to manage; its use became restricted to certain locations and conditions, and experience proved that the combined carbide factories had a capacity of about 100,000 tons in excess of the normal demand for that material.

"About this time Frank and Caro, two German chemists, invented a process through which, by combining nitrogen gas with calcium carbide at a temperature of 1,000° C., they could produce a combination of lime, carbon and nitrogen—in other words, a synthetic nitrate of lime—to which they gave the name of cyanamid of calcium, now commonly known as cyanamid, which contains from 15 to 20 per cent of nitrogen, 60 per cent of lime, and has qualities as a fertilizer similar to sodium nitrate, or Chilean saltpeter. This

process was patented in all countries and became the property of a corporate company, with headquarters at Rome and known as 'La Societe Italiana per la Fabrication de Produits Azotati.' The calcium carbide therefore was ready, the process for converting it into cyanamid by combination with nitrogen was perfected, and it only remained to provide an adequate supply of atmospheric nitrogen at a moderate cost. This requirement was met by a process invented by Dr. Carl von Linde, of Munich, which was patented in both France and the United States. By this process atmospheric air, having been first liquefied by compression, is subjected, by subsequent expansion under pressure, to a process of fractional distillation, by which the nitrogen is separated, leaving as a by-product oxygen of 50 to 60 per cent purity, which can be used by burning in the electric arc (sparking) for the manufacture of nitrates and nitric acid. [A copy of the French patent for the Linde process is on file in the bureau of manufactures.]

"The cycle was now complete, and it is through the combination of these two processes—the Linde method for recovering atmospheric nitrogen and Frank-Caro method of combining nitrogen with calcium carbide for the production of cyanamid of calcium—

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THE JENNINGS IMPROVED  
**IRON GUTTER.**

### IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

**DILLER, CASKEY & KEEN,**  
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VENTILATING  
APPARATUS

## THE STANDARD VENTILATING MACHINERY



The original machine with self-oiling cups. The most powerful, least complicated, very compact, with ease of operation.

### The New Duplex Gutter

Over six miles in use and highly recommended by all. The only **Drop Proof** gutter on the market.

### The Standard Return Steam Trap

It has no equals for simplicity or its working. Catalogue free.

**E. HIPPARD, Youngstown, Ohio.**

that European progress hopes to provide for the future an adequate supply of nitrate fertilizer for agricultural purposes. Under licenses granted by the central company at Rome there are now established and in operation four or five plants for the production of cyanamid in Germany, one in Italy, one at Budapest, one or more in Norway, one in the United States—the American Cyanamid Co., with offices at New York, and works at Niagara Falls—and one in France, the Societe des Produits Azotes, with offices at



It will certainly pay every florist and grower of outside stock to investigate the merits of

# The Wittbold Watering System

Under this method you can be assured of **even** watering at a minimum cost, both as to time and labor.  
The installation is very inexpensive. Let us tell you all about it.

**E. H. HUNT,** 76-78 Wabash Ave., Chicago

Paris and large plants at Notre Dame de Briancon, in the Department of Savoie, France, and at Martigny, Switzerland. The establishment at Notre Dame de Briancon is the only one of its kind in France. It is elaborately described, with illustrations of buildings and machinery, and with complete scientific analysis of the entire process, in the Genie Civil, for August, 1909 [a copy of which is on file in the bureau of manufactures].

"This company has a capacity at Briancon of 120 cubic meters of nitrogen gas per hour, and in 1909 produced about 900 tons of cyanamid. This year it has turned out during the first three months 1,000 tons, and expects to produce during the year at its two plants in France and Switzerland from 9,000 to 10,000 tons. Even at this increased rate of production it is unable to supply the rapidly growing demand, as the use of nitrate fertilizers is steadily expanding in France. The German companies produced during the year ended May 30, 1909, 3,500 tons of cyanamid, and since that date 3,500 tons. Their capacity is being steadily increased. The largest plant thus far in Europe is that of the Northwestern Cyanamid Co. at Adda, Norway, which produces 500 cubic meters of nitrogen gas per hour, and it is reported that the capacity of that establishment is to be doubled. All accounts agree that the demand for cyanamid everywhere exceeds the available supply, and most of the manufacturing companies are planning greatly to increase their productive capacity.

"Elaborate experiments have been made with cyanamid in competition with sodium nitrate, sulphate of ammonia, and other chemical fertilizers for stimulating the growth of cereals, sugar beets, potatoes, and other crops. These tests have been made at various places in France, England and Germany. The reports of these experiments are voluminous and in some minor details conflicting, but they are practically unanimous in according to cyanamid the essential qualities of a high-class fertilizer. It can be readily produced with a nitrogen content of 18 to 20 per cent combined with about 60 per cent of lime. It is more stable than Chilean nitrate, dissolves slowly in contact with wet soil, and yields its nitrogen gradually as it is required by the growing plants. Some of its most beneficial effects have been noted in soils deficient in lime, and

where it was applied at the time of or a few days previous to the planting of the seed.

"The Agricultural Syndicate of the Department of Vaucluse has petitioned the Central Union of Agricultural Syndicates in Paris in favor of erecting on the river Durance, near Sisteron, a plant for the manufacture of artificial nitrates on their own account. This is the first move of the farmers of France to secure an increased supply of the new fertilizer at cost of production and independent of the market as controlled by manufacturing companies. Cyanamid is sold in the form of a coarse, dark-colored powder, which is distributed on the land by a two-wheeled planter or drilling machine drawn by one horse. The quantity varies with different crops and soils from 200 to 250 kilos per hectare, or about 200 pounds per acre. Nitrogen

gas is also used for several minor purposes among which are: (1) In the manufacture of metallic filaments for incandescent lamps, nitrogen is used in heating the filaments where air containing oxygen would oxidize and destroy certain elements in the metal; (2) for manipulating certain liquids which would deteriorate or become explosive by exposure to the air. Nitrogen gas compressed to a pressure of 300 pounds is sold in Paris at prices ranging from 38 to 48 cents per cubic meter."—Consular Trade Reports.

ST. JOSEPH, Mo.—John. W. H. Krumm, 45 years old and until a few years ago associated with his brothers in the Krumm Bros. Floral Co., died July 1. He was a native of Leavenworth, Kans., and had been employed with his brothers in the florist business about 25 years.



There is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

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Saves coal.  
Lasts a lifetime.  
No flues to clean and plug.  
Send for catalog.

**JOHN C. MONINGER CO.**  
CHICAGO  
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Montreal.

TRADE GOOD.

So far business has not shown any decline during the vacation time and all report a brisk trade. The bedding season was much prolonged and owing to the late frosts many tender plants had to be re-planted or whole beds changed, which cleared out all the surplus usually left over other years. Never before have retailers handled so many wedding decorations as this last month. The supply of flowers is up to the demand but of poor quality; outdoor roses are plentiful but short stemmed and with poor foliage. The peony crop was the worst in years; the frost considerably crippled the buds and the few flowers that did open were over in a couple of days. We are passing through a spell of tropical heat with absence of rain, consequently all plants which can not be watered suffer badly.

### NOTES.

At the meeting of the Gardeners' and Florists' Club last Monday there was a large attendance to hear A. Walker's paper on "Time Required to Mature Various Crops at Different Seasons Under Glass." Mr. Walker gave exact dates and figures on tomatoes, lettuce and radishes, which provoked a lively discussion. The annual picnic of the club will be held July 20 at Highgate Springs, Vt.; a long list of events will be run off and the prizes will be numerous and costly, and we all hope for a large attendance.

Hall & Robinson are busy re-planting roses and are still cutting some very good carnations out of the big house. Mr. Hall stated that they are unable to grow all the ferns for their retail trade and that there would be a good opening for a fern grower to start in business.

McKenna's chrysanthemums are a healthy looking lot; a great number of varieties are grown here, also a couple of benches of singles. They are very successful here, potting them up when nearly in bloom and selling in pots.

The sympathy of the trade is extended to S. S. Bain who lost, through typhoid, his oldest son, Lorne, aged 29.

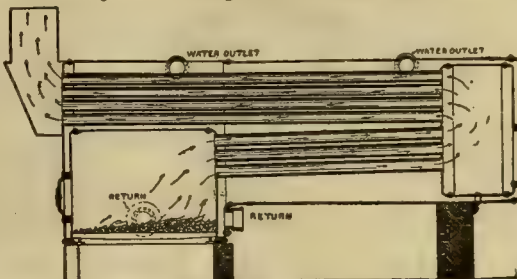
LUCK.

## The Superior Standard

RETURN FLUE FIRE BOX BOILER

contains more heating surface, and less water space than any other steel boiler.  
 $\frac{3}{4}$  of the heating surface is in the tubes.

Ask the man that knows the one using different style boilers — names are yours for the asking.



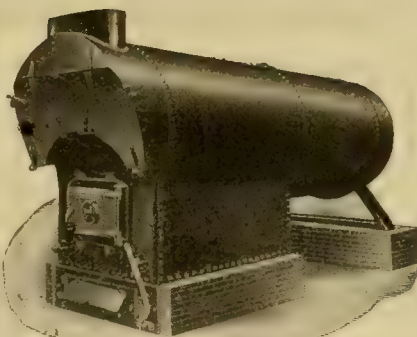
After using our boiler one season, you will say like all others: Nothing but "Superior" for me.

This boiler has given better satisfaction than any other boiler on the market

MADE IN NINE (9) SIZES FOR HOT WATER.

Send for catalogue and list of growers that are using this boiler.

**THE SUPERIOR MACHINE & BOILER WORKS, 840-850 Superior St., Chicago.**



## The Gem City Return Tubular Firebox Boilers

Are the most economical for Greenhouse heating.

Send for descriptive matter and prices.

**THE GEM CITY BOILER CO.**  
DAYTON, OHIO.

Mention the American Florist when writing

## The KROESCHELL BOILER

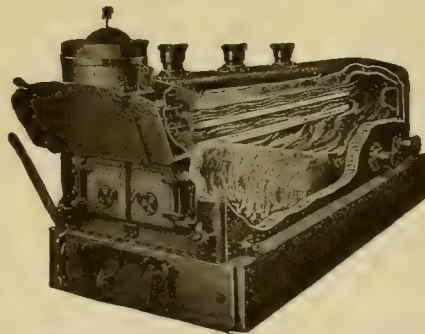
IS THE ONLY PERFECT  
HOT WATER BOILER.  
(NOT CAST IRON)

Has water in front, sides, top and a water back.

Made in 15 sizes, heating 6,000 to 50,000 square feet of glass to 60° at 15° below zero.

Prices and catalogue on application.

**KROESCHELL BROS. CO.**  
452 W. Erie St. CHICAGO.



## Steel Return Tubular Boilers

The Most Economical Type of Boiler for Greenhouse Heating. Highly recommended by well-known florists.

**JOHNSTON HEATING CO., 131 East 26th St., NEW YORK.**

Mention the American Florist when writing

ATHENS, PA.—C. L. Schmidt, the florist and landscape gardener, has purchased four acres of land from Mrs. Martha Kline of this city. Mr. Schmidt will erect several large greenhouses here and will also start a nursery to raise shade trees, shrubbery, etc., needed in his landscape gardening work.

## WILKS' Hot Water Boilers ARE THE MOST ECONOMICAL Boiler for Greenhouses

No Night Fireman Required  
with our

**SELF-FEEDING HOT WATER BOILERS.**

Send for Catalog and Prices.

**S. WILKS MFG. CO.,**  
3503 Shields Ave. CHICAGO.





## GREENHOUSE OF HENRY MILLER, THE ACTOR

See the interesting way the greenhouse and workroom are connected to this old fashioned Colonial cottage. Can't we do some such thing for you, to give the greenhouse the importance it merits—the consideration it should have? You know we have been building greenhouses for over a quarter century, and it's experience that counts. Write us

**HITCHINGS AND COMPANY, New York, 1170 Broadway.**

## THE ALLIED TRADES

### The New Hammond Paint Works.

A most interesting function at Fish-kill on Hudson, N. Y., on June 29 was the laying of the corner stone of the new factory for Benjamin Hammond's paint and slug shot works. There were no special ceremonies but the stone, of polished blue granite and inscribed on one side, "Hammond's Corner" and on the other, "1910," was placed on the corner of the tower building at the intersection of Beekman and Ferry streets. The metal box in the stone contains a lot of manuscripts, pictures, and papers that will be of great interest and historical value in future years. Mr. Hammond was present and personally deposited the articles in the corner stone. The new building will be a handsome and substantial one, a large tower being a feature. The main entrance will be on the corner and the building will be 40x80 feet.

### Tile Benches.

The Camp Conduit Co., of Cleveland, O., has spent considerable time and study on its hollow tile benches for greenhouses, improving them and bringing them up to the requirements of present day florists. These benches are constructed of hollow tile castings of burnt clay and have the dual merits of low cost and extreme durability. Added to these they can be taken down and rebuilt in other places with the minimum of trouble, are light for transit, clean and very satisfactory as a medium for plant or cut flower growing.

The Standard greenhouse bench can be made any length or width. The floor tile are supplied entire or with scoring on the sides for splitting. The height of the bench is 20 inches to the top of the floor tile when erected on the posts but the latter can be supplied longer or shorter at slight additional cost. Clamps of malleable iron are provided to tie the bench together and suitable supports for heating pipes are also provided. In the

## Send For It

It is the new 1910 Edition of our Handy Hand Book of Greenhouse Materials. The many changes and improvements in our construction, fittings, boilers, etc. made it necessary to get out a new edition so you could keep up with what we are doing.

It contains a lot of things not in the old edition, and those that were in the old one are better shown and more fully described and illustrated.

It is now the handiest kind of a Handy Hand Book and the next time we drop around to see you, want to be sure to find it hanging on a nail in your work room. It has become one of the ear marks of the up-to-date grower.



## Lord and Burnham Company

IRVINGTON, N. Y.

New York  
St. James Bldg.

Boston  
Tremont Bldg.

Philadelphia  
Heed Bldg.

Chicago  
The Rookery

interlocking greenhouse bench the floor tile are provided with a bead on either edge which fits into corresponding slots on the posts. Tile sides and corner pieces are sold separately and these can be fixed to the floor tiles by the use of a little cement, making an absolutely rigid, indestructible bench with no wood or iron

used in its construction. Another bench, called the Universal is supported with iron pipe and angle irons and the firm supplies this complete or complete without the pipe, as may be arranged. The support pipes can be used for water service if desired. This strikes us as a wonderfully serviceable good all around bench and it should become very popular.





## Sheep's Head Brand Pulverized Sheep Manure



The Ideal  
Plant Food  
for Florists.

Write to-  
day for  
Prices and  
Booklet.

NATURAL GUANO COMPANY, Aurora, Ill.  
Mention the American Florist when writing

## Wired Toothpicks

10,000, \$1.75; 50,000, \$7.50. Manufactured by  
**W. J. COWEE, Berlin, N. Y.**  
Sample free. For sale by dealers.  
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## REED & KELLER,

122 W. 25th St., NEW YORK.  
**FLORIST'S SUPPLIES.**

We Manufacture all Our  
Metal Designs, Baskets, Wire Work,  
and Novelties, and are dealers in Glass-  
ware, Pottery, Decorative Greens and  
all Florists' Requisites.

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## Eagle Machine Works

Richmond, Ind.

Manufacturers of Ring Stakes  
for small plants.

Richmond Carnation Supports.  
Rose and Mum Stakes.

HELENA, MONT.—Interest in the display of flowers to be made next month at the Auditorium under the auspices of the Flower Show Association is growing all the time. It is hoped to make this first flower show such a thing of joy and beauty that it may become an annual event of no small importance.

## The "Meyer Green Silkline"



is the only Green Thread that should be used by florists and growers. It is guaranteed full weight and full measure.

Also Violet Thread for tying up Violets. Price of both, \$1.25 per lb.

For sale by all first-class supply houses. If your dealer does not carry it in stock, write us direct, giving us his name.

**JOHN C. MEYER & CO., 1449 Middlesex St., Lowell, Mass.**

## The Mastin Automatic Whitewash and Spraying Machine Is Reliable, Practical and Durable



The tank is made of galvanized sheet steel, and in brass. The pump is of brass throughout, simple and powerful. The mixing device keeps the contents of the tank well stirred up from start to finish.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

All parts are made to gauge and may be had for repairs.

Ask your dealer about our Extension Hose, Extension Rods,

and the Mastin Whitewash Nozzle for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

**J. G. MASTIN & CO., 3124 West Lake St., CHICAGO, ILL.**

## Evergreen Brand Flower Fertilizer

Best plant food and most readily available.  
12-lb. cans \$2.00 each.  
Other sizes pro rata.  
For further particulars address

**D. D. JOHNSON CO., Man'rs.,**  
64-66 Wabash Ave., Chicago.

## H. BAYERSDORFER & CO.



**Florists' Supplies.**

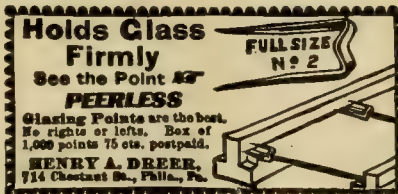
1129 Arch Street, PHILADELPHIA, PA.  
Send for our new catalogue.

## A. HERRMANN,

Cape Flowers, all colors, Cycas  
Leaves, Metal Designs and all  
Florist Supplies.

—Send For Prices—

404-412 East 34th St., NEW YORK.



—BURNED CLAY—

**Tile Benches and Tile Bottoms**  
Gives results. Three styles of benches, including  
Iron Pipe Frame, with Tile Bottom and Sides.  
Write for descriptive circular and delivered  
prices. Any size benches.

**Tile Sides**

**THE CAMP CONDUIT CO.**  
Garfield Bldg., Cleveland, O.

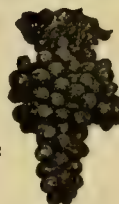
DOYLESTOWN, PA.—Mrs. E. D. Darlington is having her greenhouses on Maple avenue enlarged.

Has stood the test of over a Quarter of a Century.

## THOMSON'S Vine, Plant and Vegetable MANURE

UNRIVALLED  
FOR

Vines,  
Tomatoes,  
Cucumbers,  
all Flowering,  
Foliage and  
Fruit bearing  
Plants,  
Vegetables,  
Lawns, etc.



The result of  
many years  
practical  
experience.

**PERFECT  
PLANT FOODS**

Sold by  
Leading  
American  
Seedsmen.

— ALSO —

**Thomson's Special Chrysanthemum  
and Topdressing Manure**

Freight paid on quantities. Write for our  
special offer to the American trade, pamphlets,  
agents' circulars, etc., to sole makers,

**WM. THOMSON & SONS, Ltd.,**  
Tweed Vineyard, Clovenfords, Scotland

Mention the American Florist when writing

## Cattle Manure in Bags Shredded or Pulverized



Pure—dry—uniform and reliable.  
The best of all manures for the  
greenhouse. Florists all over the  
country are using it instead of  
rough manure.

## Pulverized Sheep Manure

Absolutely the best Sheep Manure on  
the market. Pure manure and nothing  
else. The best fertilizer for carnations and for  
liquid top-dressing. Unequalled for all field use.  
Write for circulars and prices.

**The Pulverized Manure Company**  
32 Union Stock Yards, Chicago

LANCASTER, O.—M. M. Miesse and  
wife are making a two weeks' trip to  
Yellowstone Park.



# Tobacco Paper "Nico-Fume" LIQUID

IS THE  
STRONGEST  
BEST PACKED  
EASIEST APPLIED

Furnishes the  
Most Nicotine for the Money!

OVER 40% NICOTINE

By far the  
CHEAPEST

JUST NOTE PRICES

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|------------------|---------|
| 24 sheets.....   | \$ 0.75 |
| 144 sheets.....  | 3.50    |
| 288 sheets.....  | 6.50    |
| 1728 sheets..... | 35.10   |

|                |         |
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| Pint .....     | \$ 1.50 |
| ½ Gallon.....  | 5.50    |
| Gallon.....    | 10.50   |
| 5 Gallons..... | 47.25   |

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville Ky.

*Green Flies and  
Black ones too*

are easy to kill with  
The Fumigating Kind Tobacco Powder  
\$3.00 per bag 100 lbs.  
Satisfaction guaranteed or money back;  
why try cheap substitutes that makers do  
not dare to guarantee?  
THE H. A. STOOFF CO., MOUNT VERNON, N. Y.

Lock the door before the horse is stolen,  
and insure your glass before it is broken.

For particulars concerning  
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SADDLE RIVER, N. J.

GET OUR PRICES ON  
Galvanized Wire Rose Stakes and Tying Wire  
IGOE BROTHERS

Manufacturers of the Model Plant Supports for  
Carnations, Dahlias, Golden Glow, Peonies  
Chrysanthemums and Tomatoes.

63-71 Metropolitan Ave. BROOKLYN, N. Y.

Morristown, N. J.

The Chrysanthemum Society of America, in conjunction with the Morris County Gardeners and Florists' Society, has issued the preliminary schedule for its fifteenth annual flower show, which will be held on the grounds of the Whippany River club on November 2, 3 and 4, offering \$2,500 in prizes. A grand sweepstakes prize silver cup, valued at \$150, is offered by the Morris County Gardeners and Florists' Society, the conditions being as follows: A cash prize of \$20 is offered to any winning member of any regularly organized floricultural or horticultural society, exhibiting the best 18 blooms in as many varieties, to be shown in single vases, stems not to exceed 12 inches. The first prize exhibits of each society thus competing will be judged for the prize cup. Eighty-one prizes are offered for chrysanthemums, the flowers to be cut, the largest prize, \$100, being offered for 60 flowers in 20 varieties to be shown in vases. Prizes are also offered for American Beauty, Bride, Bridesmaid, My Maryland, Killarney and Richmond roses.

In the carnation classes a special prize is being offered by Charles B. Gee, of Madison, for a vase of 18 blooms for a silver cup, or \$25 in cash. There will be four classes in violets and three in greenhouse grapes, and also an exhibition of orchids, both growing and cut, the latter to be arranged as decorations on a round table. Valuable prizes are also offered for

## The Gunton Sulphur Vaporizer

KILLS MILDEW

Safe

Sure

Price,

\$2.00



Pat. applied for.

Write for particulars, giving size of your house.

Address GUNTON & OLIVER,  
184 Summer St., BRADFORD, PA.

## Carman's Antipest

INSECTICIDE AND FUNGICIDE

For the Garden, Orchard and Greenhouse

Non-poisonous and harmless  
to vegetation.

Kills Green Fly, Aphides, Bark Lice,  
Thrips Mealy Bug, Red Spider,  
Scale, Wire Worms, Ants  
and Slugs.

This is the grower's friend. Handy to  
use, cheap and effective, mixes readily in  
water. Destroys all insect pests and  
keeps down filth. Circulars on applica-  
tion. \$1.50 per gallon. Also in  
quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,  
FLUSHING, N. Y.



SIEBERT'S ZINC  
Never Rust  
GLAZING POINTS

Are positively the best. Last forever. Over  
30,000 pounds now in use. A sure preventative of  
glass slipping. Effective on large or small glass.  
Easy to drive. Easy to extract. Two sizes ¾ and  
¼. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50  
15 lbs. for \$5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Successors to  
Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

groups of chrysanthemums, ferns, Begonia Gloire de Lorraine and plants suitable for table decoration, there being 12 classes in this department. Prizes of \$250 are also offered for an effective grouping of flowering and foliage plants exclusive of chrysanthemums, to be arranged on a floor space of 100 feet, \$100 being offered for similar groups of chrysanthemums. Special prizes are offered by the National Chrysanthemum Society of America, including a silver cup, for the best 10 chrysanthemums of any one variety; gold and silver medals for the best six flowers of Chrysanthemum Howard Gould and for best three vases of single chrysanthemums; a silver cup offered by C. H. Totty, of Madison, for the best 12 chrysanthemum flowers R. F. Felton; two cash prizes, offered by William Duckham, of Madison, for six chrysanthemum flowers Onunda, and a cash prize, offered by Anton C. Zvolanek, of Bound Brook, for three varieties of cut chrys-

# APHINE

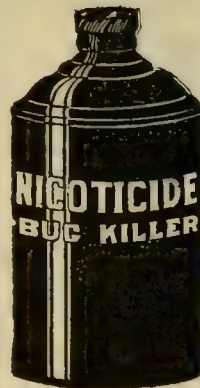
Destroys Green, Black and White  
Fly, Red Spider, Thrips, Mealy Bug  
and Scale.

It invigorates plant life and can be  
applied to the tenderest flowers and  
foliage.

\$2.50 per gal; \$1.00 per qt.

Buy from your seedsman, or will  
send you a sample can with sufficient  
for a thorough trial (postage prepaid)  
on receipt of 40c.

Aphine Manufacturing Co.  
MADISON, N. J.



THE BEST  
Bug Killer and  
Bloom Saver

For PROOF

Write to

P. R. PALETHORPE  
COMPANY,

Owensboro, Ky.



MASTICA is elastic and tenacious, admits of  
expansion and contraction. Putty becomes hard  
and brittle. Broken glass more easily removed  
without breaking of other glass, as occurs with  
putty. Lasts longer than putty. Easy to apply.

anthemums three flowers to a stem. The Whippany River committee in charge of the flower show includes Dr. D. Hunter McAlpin, Dr. Leslie D. Ward and Otto H. Kahn.



# THE AMERICAN FLORIST



*America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."*

Vol. XXXIV.

CHICAGO AND NEW YORK, JULY 23, 1910.

No. 1155

## THE AMERICAN FLORIST

TWENTY-FIFTH YEAR.

Copyright, 1910, by American Florist Company.  
Entered as Second-Class Matter Nov. 11, 1891,  
at the Post Office at Chicago, Illinois,  
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY  
**AMERICAN FLORIST COMPANY,**  
324 Dearborn St., Chicago,

Long Distance Phone: Harrison 7465.

Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a  
year; Canada, \$2.00; Europe and Countries  
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umes half yearly from August, 1901.

Address all correspondence, subscriptions, etc.,  
American Florist Co., 324 Dearborn St., Chicago.

### SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—F. R. PIERSON, Tarrytown, N. Y.,  
Pres.; FRED W. VICK, Rochester, N. Y., Vice-  
Pres.; H. B. DORNER, Urbana, Ill., Sec'y;  
WM. F. KASTING, Buffalo, N. Y., Treas. Next  
meeting at Rochester, N. Y., August 16-19, 1910.  
Second National Flower Show, Boston, Mass.,  
March 18-25, 1911.

### CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition, in conjunc-  
tion with the Morris County Gardeners' and  
Florists' Society, Morristown, N. J., November  
2, 3 and 4 1910. ELMER D. SMITH, Adrian, Mich.,  
President; C. W. JOHNSON, Morgan Park, Ill.,  
Secretary.

### THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at  
Boston, Mass., March, 1911. FRED. BURKI,  
Pittsburg, Pa., President; A. F. J. BAUR, Thirty-  
eighth St. and Senate Ave., Indianapolis, Ind.,  
Secretary.

### AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at Bos-  
ton, March 1911. WM. H. ELLIOTT, Brighton,  
Mass., President; A. FARENWALD, Roslyn, Pa.,  
Vice President; BENJAMIN HAMMOND, Fishkill-  
on-Hudson, N. Y., Secretary.

**Turn Your Surplus  
Stocks Into Cash  
By Advertising in the  
Ready Reference  
Department.  
See Page 1267.**

## BEAUTIFUL ROCHESTER THE CONVENTION CITY

The twenty-sixth annual convention of the Society of American Florists will be held August 16-19 at Rochester, N. Y., one of the most beautiful and progressive cities in America. The city, with a population of 210,000, is quite modern, having good streets and excellent car service. Erie canal and the picturesque Genesee river run through the city and the cool breezes of Lake Ontario and Irondequoit Bay insure a delightful climate all the year round. Rochester is a city of homes and the residence sections are well adorned with handsome trees and shrubs. While the city proper affords a comparatively level surface, much of the adjoining territory is of irregular character with excellent drives by well wooded ravines and precipitous glacial banks, grim, naked and vexingly uninforming to the novice in geology. There are many charming summer resorts by the lake and the river, Rochester being famous as a yachting center, with stately sailing craft that glide to many a famous victory, and motor boats that skim as phantoms over the moonlit waters, but throb and pant like things of real life.

But the glory of Rochester is her parks of which Calvin C. Lanev is superintendent and engineer and John Dunbar assistant superintendent and practical manager of the entire system covering some 1,500 acres. Highland park, containing 115 acres, has been the object of Mr. Dunbar's devoted attention and he has established therein an excellent pinetum with 230 species and varieties and one of the best collections of trees and shrubs in America. The collection of lilacs (over 200 species and varieties) in this park is said to be the most complete extant and that of azaleas and rhododendrons is also very large. American hawthorns are well represented here, and the collection of peonies is very extensive. The members of each genus are grouped together so far as practicable, and this arrangement is found very convenient for study. The trees and shrubs in all the parks and throughout the city show that they have been

handled with rare skill by competent men and the citizens are justly proud of them. Highland park alone is well worth the journey to Rochester to everyone in the trade, and a trip over the system with Mr. Dunbar is a liberal education on ornamental trees and shrubs and their cultural needs.

The principal private gardens of Rochester are those of Geo. Eastman (Gardener Wm. T. Pirie), Mrs. W. S. Kimball (Gardener Colin Ogston), Mrs. F. F. Thompson (Gardener Robt. Ballantine) and Warham Whitney (Gardener Theo. Strezeski).

Industrial Rochester affords many interesting features. Here, for example, may be found one of the largest and most complete Masonic temples and the largest Masonic lodge (Genesee Falls No. 507) in the world; largest preserving establishment in the world; while it is a large producer of clothing, boots, shoes and flour, it is the first city in the production of photographic supplies and a large lithographing business is done by Rochester firms, much of it being special work for seedsmen and nurserymen. Among the largest of these lithographic firms are the Stecher Lithographing Co., of which the genial F. A. Stecher is the head, Vredenburg & Co., Rochester Lithographing Co., and Karle Lithographic Co., all specializing in catalogue work for florists, seedsmen and nurserymen.

For many years Rochester and the nearby city of Geneva (distance 45 miles) have been the headquarters of the nursery business, one of the pioneers in the industry being the late Patrick Barry, of the firm of Ellwanger & Barry. Among other representative firms we may also mention Brown Bros. Co., Charlton Nursery Co., Glen Bros., Woodlawn Nurseries, Grover Nursery Co., Fairview Nurseries, Standard Nursery Co., Green's Nursery Co., and McGlennon & Kirby.

Leading Geneva nurseries include W. & T. Smith Co., M. H. Harmon Co., Chase Nurseries, Geo. Trautman, Jr., Sears, Henry & Co., A. J. McGraw, W.



F. Cobb & Co., Van Dusen Nurseries and Ontario Nursery Co.

The Jackson & Perkins nurseries at Newark, N. Y., are close to the convention city, about 30 miles out.

The late James Vick immortalized Rochester as a seed trade center, the firm he established being favorably known throughout the horticultural world. James Vick's Sons (Chas. H. Vick, president) are perhaps best known to florists as aster specialists, and maintain extensive seed and trial grounds within easy reach of the convention hall. M. Cushman & Co. do an extensive business in box seeds, and Mandeville & King have a high reputation in this line of trade.

The home seed grounds of the well known firm of Jerome B. Rice Seed Co., Cambridge, N. Y., are not far from here, some 250 miles east. Port Hope, Ont., one of the more important Canadian pea districts, is located directly across Lake Ontario, some 60 miles away. Irondequoit, a suburb of Rochester, is a great market gardening section, with many small green-houses.

Florists' establishments are numerous and many of them of high order. One of the most prominent greenhouse establishments is that of Vick & Hill, and the principal stores in the business section of the city are those of Salter Bros., John B. Keller's Sons and H. E. Wilson, the two former being very elaborate and well appointed.

Rochester hospitality is boundless as everyone knows who has ever come in contact with such men as Charlie Vick, Wm. C. Barry, Chas. Brown, Frank A. Stecher, Dick Salter, Will Keller, Geo. B. Hart, Al Salter, Chas. J. Maloy and a host of others.

The hotels of Rochester are modern and numerous, the charges moderate and the service unexcelled. Leading hotels are the Powers, the Rochester and the Seneca.

### Begonias Not Growing.

ED. AMERICAN FLORIST:—

Enclosed are some rooted cuttings of begonias. Can you tell me why they will not break or throw up new shoots from the base? They were potted into 2½-inch pots about two months ago and stopped about a month or six weeks ago. Is this usual? These are stem cuttings, but leaf cuttings are just the same.

C. W.

It is not unusual for these plants to be slow in throwing up during hot weather. Probably a little patience is all that is needed. The plants were extremely dry when we received them, but possibly this was owing to the time they had been on their journey.

CLINTON, N. Y. On June 13, at the home of Russell Kilbourne on Elm street was held a regular meeting of the Utica Florists' Club. About 25 members were present, including florists from Rome, Oneida, Canastota, Ilion and other places. At 9 o'clock a fine supper was served by Mr. Kilbourn, after which a business session was held. The idea of having a dinner at the St. Charles hotel, Sylvan Beach, in the near future was talked over and the matter left open to be decided upon later. Informal talks were given by a number of those present.

## THE ROSE.

### Staking and Cultivating.

Do not fail to stake and tie the young stock as soon as possible after planting, especially the grafted plants. Use a 54-inch stake for the teas and hybrid teas and five-foot stakes for grafted plants in solid beds that are intended to be carried over several years, as the plants often reach the height of six or seven feet the second year they are carried over. A good substantial brace to fasten the running wires to should be fixed firmly at the ends of the beds or tables. The neatest, by far, is a frame constructed of one-inch steam pipe; old pipes



Chas. H. Vick.

Superintendent of Trade Exhibition at Rochester.

answer every purpose, as they can be painted several good coats, giving them a good appearance. Cut two pieces for the sides or uprights and thread them on one end to which fit a 1x1¼-inch tee. The cross pipes can be cut a little longer than the

width between the two outside rows, say two inches, and the uprights should be set far enough apart to let the outside wires come inside the tee fittings. Force the uprights into the ground firmly by driving them down, placing a solid block over the fitting to keep from breaking it. The running wires should be about four feet above the beds; directly over the plants, so the cross pipe will of course be the same height; the cross piece can be wedged firmly in this T with 12-d. cut nails.

Use No. 18 galvanized wire to tie the stakes to and set the stakes about one inch to the side of the plants on a line with them. When tying the stakes to the wire wrap the twine around the running wire twice, then over the stake, once around the wire on the other side, bring in front of stake and tie; this tie will prevent the stake from slipping from side to side. Stake the center rows and tie them first as this will be found much handier than having the two outside wires in the way if four rows are being staked, and be sure to have the running wires straight and the same distance from the beds. This is easily accomplished by measuring the distance at the ends and fastening a few stakes along the wire about 30 feet apart before tying the rest. When staking the Beauties we prefer two stakes to the plant placed each side of the plant about eight inches apart. These stakes can be six or seven feet in length if they have sufficient head room and should be fastened to two running wires, one about four feet from the ground and another two feet higher. Beauties staked in this manner can be easily tied through the whole season and will furnish the much to be desired straight stems; the two-stake system gives one the chance to keep the plants spread a little, allowing a better circulation of air and preventing black spot in a marked degree.

In reference to the cultivation of the young stock, the first crop of weeds should be allowed to get several inches high so they can be easily removed, bringing them up by the roots; if the small weeds are merely rubbed over they will continue to be a lot of trouble, as many are only broken off, soon starting into growth again. As soon as the crop of weeds is removed the beds should be carefully cultivated and leveled, care being taken not to break off any of the tender shoots at the base of the plants. Keep a careful lookout for the manetti growth on the grafted plants and remove all such growth close up to the bark. If this work is looked after while the mametti growth is tender a quick downward pressure with the fingers will remove the shoot easily. The young stock will from now on require cultivating once a week. A good hand rake for this work can be made of four pieces of rose stake wire about 14 inches long; place the four wires together, then take some No. 18 galvanized wire and wind it closely around them leaving about four inches at one end unwrapped; fasten the winding firmly and then spread the ends like a fan; then bend the ends down, form-



Main Street, Rochester, N. Y.



ing a small rake which will be found an ideal tool and practically indestructible. Do not give any more water than the soil will evaporate from day to day. Syringe early and again at one o'clock and keep the plants dusted lightly with grape dust once or twice a week as occasion demands. During a cloudy spell of weather it will be advisable to dust everything carefully and be sure to syringe the plants thoroughly afterward, when the weather permits so as not to leave any of the old dust lurking around. Give the plants all the air possible from now on except side or end draughts. If there are any spots in the glass that are causing burned foliage, spot them out with a little linseed oil with just enough white lead mixed with it to barely change the color. These burning panes can easily be located by holding a piece of blank paper over the plants a while, a bar of light indicating the focused rays of the sun. E.

### Roses in the South.

The next two months are two of the most critical in the season, requiring a great amount of watchfulness on the part of the grower. Frequent heavy thunder showers are quickly followed by a piercing strong sun which has an enervating effect on man as well as on plants. Should the bed happen to be dry on such occasions, the young growth will be quickly scorched unless watered and sprayed at once. The beds should never be allowed to get the least dry and frequent spraying should be kept up even to late in the afternoon. There is no danger from this treatment at this season, but much harm may result if it is neglected. It is always prudent to lower the ventilators enough to turn the water during a rain storm, but they must be raised immediately on its cessation. Give all the ventilation possible day and night and by all means arrange for side ventilation if the houses are not so equipped. A quick growth is very desirable but beware that it is not too soft or serious trouble is liable to develop later in the season.

Keep the plants tied up, working the strong shoots to the center and merely tack up the brush to keep it from touching the ground. Disbudding is most important also. Some growers pinch out the buds shortly after they appear but in our experience we have found it better to let the buds just merely show color and then cut them back to the second leaf. The wood matures better this way and the succeeding growth is stronger with less brush. We have found too, that the plants sucker quicker from the bottom by this method of disbudding. If there is no more trouble from weeds a moderate mulch of very old rotted manure will work wonders in keeping the beds cooled and equably moist. The same culture will be all right for Beauties just now but it is better not to give them the first tie until they show growth from the bottom. They may grow a little tall and hang over but the slight bend is just what they need to induce them to break low down.

WM. LEAR.

## THE CARNATION.

SOME Illinois growers say that, notwithstanding the cold weather early in the season and the subsequent drought, their field plants look remarkably well. They have a large number of shoots and, although not as large as in some years, they are particularly solid and give promise of excellent results when benched.

be cleaned out of the benches and every particle of dirt and rubbish cleared away from underneath them. Repair any benches that need it and do not leave any broken panes of glass for the rain to flood any of the newly planted beds. Give the inside of the benches a thorough cleaning out, then apply a good coat of limewash.

The next question is that of soil. The man who prepared his compost in the spring will only have the turn-



A VIEW IN HIGHLAND PARK, ROCHESTER, N. Y.

### Work Indoors and Out.

The most important part of the carnation grower's work at this time is the caring for the plants in the field. With the time for housing the plants only a week or two away it is necessary that they be given every encouragement. Unless prevented by the ground being in a wet condition it should be cultivated once every week, and if very dry often will be very beneficial to the plants. Topping back the shoots must also receive attention as quickly as they need it to insure a short stocky plant with ample growth shoots. Keeping the ground free of weeds is another steady job and if the field is of large extent the weeders can almost follow themselves up just at this for if the plants are slow of growth the weeds always seem to be as active as ever. After one has got the field work well in hand the houses should be got in order to receive the plants, all the old soil should

ing to do as it is brought into the greenhouses so that its parts are thoroughly incorporated, and in cases where the sod was ploughed up some time previously and allowed to sweeten out and rot, the adding of the manure will be all that is necessary. The proportionate parts of the compost should be one part of well rotted cow manure to four parts of soil. Many growers follow the practice of filling the soil into the benches a week or two before bringing in the plants, keeping it moistened down so that the weeds will grow and be cleared off before planting, but we like to get our plants into as fresh a soil as possible and do the moistening down gradually after the planting has been done, finding that clearing of the weeds directly after planting must of a necessity be done quite frequently and this constant working of the soil is one of the essential parts of the plants making a good growth.



Many of the large growers will be starting planting between July 15 and 20, but for the average grower the first two weeks in August is the best time. Plants are smaller for planting then than if planted in September but they get away much quicker and produce good results earlier in the season. This very dry weather causes one to be tempted to water the plants in the field but if it is possible for the plants to pull through in any kind of shape we advise against the practice. We have watched this pretty closely and have found that the plant which has not been watered outside, even though it does look to be a hard knot when planting, will get away faster and give better results than a plant that has put on a luxuriant growth outside through copious waterings. The varieties of the Lawson type and Winsor need very early planting to get them in first class condition early in the season. These being of the short jointed growth, the first flowers come with very short stems, so act accordingly and get these kinds into their quarters first. The Enchantress family can be planted at any time and still make good; the same can be said of Beacon. White Perfection gives best results when planted about the middle of August, but those varieties whose growth resembles Lady Bountiful are generally late bloomers and should be left in the field longer than others to make as large a plant as possible.

C. W. JOHNSON.

#### Summer Treatment.

Cultural notes on carnations during the latter part of July are likely to be brief, for most of the growers are either lifting and replanting, or else preparing to do so. The old crop is usually well worn out by now and the demand, like the flowers of summer, is rather attenuated. The emptying and refilling of the houses is hot and heavy work, and everyone connected therewith breathes a sigh of relief when the last bench is filled.

At the time of writing the weather in the east is very hot and dry, and until a shower softens the ground there will not be much chance for lifting plants from the field. In the meantime the weeds must be kept down, and hoeing kept up in order to preserve the dust mulch that does so much toward conserving the moisture about the roots of the plants. Experiments made by scientists have proved that frequent light cultivation prevents the rapid evaporation of water from the ground, and are thus beneficial to crops during a dry period, but some judgment must be used in this operation, from the fact that different soils require different treatment to produce the best results, and a light sandy soil does not require so frequent cultivation in dry weather as a heavy clay soil.

In brief, to quote Prof. F. H. King, an agricultural scientist who speaks authoritatively, "the loss of water from heavy ground that has a firm surface is about one-third greater per day than from the same ground with a dust mulch one inch deep." This means that some of us do not cultivate as frequently as we should, while possibly some having a light soil may cultivate too much. It is also well to go over the field frequently in order to

do the necessary topping, for flowering shoots are not needed on the plants at the time of lifting, and the more topping one can do in the field the more growths there should be to produce flowers later in the season. At the time of lifting, the plants should be protected from the sun and wind as much as possible, planting and watering going on methodically. Then keep a little close for a few days and spray often enough to keep the plants from wilting, and the roots will soon get



The Late James Vick.

Founder of the Vick Business, Rochester, N. Y.

into action again. Supporting and tying will also occupy many odd hours after the plants are again under glass, and then the regular routine of the season, including wiring, stringing, weeding, cultivating, disbudding and fighting insects and diseases will again be in order, while the trying out of some novelties and, on many establishments, the crossing of some old ones will add interest to the yearly operations.

W. H. TAPLIN.



John Dunbar.

Assistant Superintendent of Rochester Parks.

## WITH THE GROWERS

Thomas Roland, Nahant, Mass.

Nahant is a pretty little town snugly tucked in on the Massachusetts coast, and it is a pleasant hour's trip by steamer from Boston to reach it. There are many good towns along the New England coast, for the Puritans and patriots early acquired the habit of founding towns and staying with them. But Nahant is different from most other places, which is quite natural. It is a pleasant summer resort, and to illustrate the fraternity that exists among the regular residents it may be stated that United States Senator Henry Cabot Lodge, who lives there, goes to town meeting as one of the plain people. He nearly always presides, but at this year's meeting, July 7, he preferred to sit with the boys. We are not writing a history of Nahant or an account of its town meeting, interesting and stirring as both are; we merely wish to get the reader's mind fixed on the place on account of what follows. The fact of our being there on town-meeting day was merely a coincidence.

We went down to see Thos. Roland and his work, for a Boston man had told us that "he is the greatest plant grower around here." After a chat with Mr. Roland and a look at his place, we came away with the impression that the Boston man was right. Though he has only been there about 15 years he has built up a fine range of 70,000 to 75,000 square feet of glass. His range, home and grounds are all models of neatness and the grounds have fine landscape effects. To people remote from the scene of his labors, Mr. Roland's name, in recent years, has frequently been associated with the rose, Lady Gay, which he has grown and yet grows to perfection. Dorothy Perkins, Crimson Rambler, Hiawatha and other pot roses are also seen in profusion. As a matter of course, the season's business has pretty well cleaned out the houses, but in the garden we found a large stock of roses, hydrangeas and other plants being grown on for next season. There are yet on the place a number of fine hydrangeas in good bloom, a noteworthy feature being a new one, plants of which attracted much attention at the orchid exhibition held recently in Boston.

Though much good stock is now planted in the open, the houses are by no means empty. There are fine collections of crotons, acacias, orchids, Begonia Gloire de Lorraine, cyclamens and ferns, all of which look well. Mr. Roland is quite an extensive grower of heaths and his stock, which is now in the open, looks well. In a considerable section of the range where the winter pot stock had been sold out, chrysanthemums are now being grown for cut flowers, and the crop will be out in time to make room for the incoming plants. It is impossible to here enumerate all the evidences of intelligent plant growing to be seen at this place, so we will remind our readers that there will be a great National Flower Show in Boston in March, 1911, and if they are on hand they will





W. L. Keller.  
Treasurer Rochester Florists' Association.



F. W. Vick.  
President Rochester Florists' Association.



H. B. Stringer.  
Secretary Rochester Florists' Association.



Chas. J. Brown.  
Of Brown Bros. Co., Rochester N. Y.



E. P. Wilson.  
Vice-President Rochester Florists' Association.



Wm. C. Barry.  
Of Ellwanger & Barry, Rochester, N. Y.



F. A. Stecher.  
Of Ellwanger & Barry, Rochester, N. Y.



R. G. Salter.  
Salter Bros., Rochester, N. Y.



Geo. B. Hart.  
Pioneer Wholesale Florist of Rochester, N. Y.

SOME PROMINENT MEN IN THE TRADE OF ROCHESTER, N. Y.



doubtless see for themselves some of the perfections of Mr. Roland's art of making things grow.

#### William Sim, Cliftondale, Mass.

It is always interesting to visit and talk with a man who has departed from the beaten path, taken short cuts that are less tiresome and have enabled him to arrive at his destination in good time, in good spirits and with money in his pocket. On a recent visit to William Sim, at his extensive range, Cliftondale, Mass., we were more than ever impressed with the importance of striking out along new lines, providing foresight and good judgment are used. Some years ago—not very many, for he is yet a comparatively young man—he bought a few acres of land at Cliftondale that, up to that time, had been generally considered worthless. He erected greenhouses and went to work improving the land. From the first he has been noted as a man of initiative energy. As we recall it, he first attracted the attention of the trade by his fine violets and chrysanthemums. He is yet a great violet grower, but has dropped chrysanthemums and has of late made a record as a grower of winter flowering sweet peas, and the stock which he grows is always in demand in the Boston market. But the foregoing, important as they are, but cover a part of his progressive activities. He had thought it unprofitable to have vacant houses in summer, and started to grow tomatoes, cucumbers and muskmelons under glass. He has just sold a great crop of tomatoes, is now marketing hundreds of boxes of cucumbers and a great crop of muskmelons will soon be ripe.

His latest venture seems to us to be the most original of all. He has 20 acres of sweet corn, part of which is now ready for market. All of this was started in 4-inch pots under glass, and when well up was transplanted to the field. This, to many, may seem like a large undertaking, but nothing is too large for Mr. Sim if he thinks it will pay, and being a careful Scot—some people say "canny" but we don't like that word—he usually thinks right. He conducts his growing systematically, not trusting to chance or luck. For instance: Though the corn looked well when we visited the place, the weather was hot and there were signs of drought, forthwith he set a force of men at work piping the field so it could be watered at will. He has his own water system, the supply coming from a number of wells each 50 feet deep, from which the water is drawn by a powerful pump, there being always an unlimited supply, with good pressure. He expects to have the entire corn crop marketed by the middle of August. The stalks are sold to neighboring dairymen. The foregoing is but a sketch of the work of this man who has literally made the wilderness bring forth and blossom. Throughout his entire range and gardens the same painstaking care and judgment is shown, it being evident that everything is carefully thought out.

Incidentally it may be mentioned that he has but recently moved into a fine new residence, erected during the past fall and winter. The site for this was another instance of his capacity

to overcome obstacles. It was in the midst of several acres on a gently sloping hillside, the gentle slope being the most commendable feature when he took hold of it. It was practically a ledge of rock with large boulders thrown in and scarcely enough verdure to support a grasshopper. However, that did not bother Mr. Sim. A beautiful and substantial home was erected, the boulders were cleared off and hundreds of loads of good loam were hauled in to make a lawn which was later laid out by himself, seeded, and planted with a fine variety of trees and shrubs, the latter being planted both individually and in groups. We cannot close this note without a few personal words regarding this man who possesses to such an eminent degree that quality which has been aptly termed "sancti-

ding plants and his specialty, lettuce. The average output is 100,000 heads of lettuce yearly, which find a ready market in Bloomsburg and Wilkes-Barre.

J. L. DILLON, BLOOMSBURG.

The visitor who goes into ecstasies over the gorgeousness of the blooms in the mammoth greenhouses owned by J. L. Dillon Estate, only half appreciates the infinite pains that have been expended in coaxing these flowers to grow. It was in 1875 that this enterprise was established in a comparatively small way by the late J. L. Dillon, who for a number of years was one of Bloomsburg's leading business men. The original houses are located near the normal school, and as they stand today make a group of 12, having something over 40,000 square feet



The Late Geo. Ellwanger.



The Late Patrick Barry.

ESTABLISHED THE ELLWANGER & BARRY NURSERIES, ROCHESTER, N. Y.

fied common sense." He is modest and unassuming. He tells you what he has done, but he tells it all as though it was merely a part of the day's work. He has a wife and four children, ranging from a sturdy boy of about 14 years to a baby. The two oldest are boys and they already show an interest in the noble art which their father is following with such marked success.

#### Growers in Columbia County, Pa.

The International Magazine of Industry is a publication giving prominence to all classes of industrial establishments in various parts of the country and from its issue of June, 1910, we cull the following notes of growers in Columbia county, Pennsylvania:

D. H. CREVELING, BLOOMSBURG.

Noteworthy among the establishments of Columbia county is that of D. H. Creveling, one of the country's most successful lettuce growers and florists. Mr. Creveling established this business in 1903 and owns and conducts the entire business himself. He has four greenhouses and conservatories covering more than 19,000 square feet and equipped with every facility for the propagation of bed-

ding plants and his specialty, lettuce. The average output is 100,000 heads of lettuce yearly, which find a ready market in Bloomsburg and Wilkes-Barre.

of glass. Seventeen years ago the houses on Fifth street were commenced and these have been added to from time to time until today they are 14 in number having over 100,000 square feet of glass, the two plants making one of the largest greenhouses owned by one person in this part of the state. The product of the houses are cut flowers and pot plants of all kinds and the flowers are sold throughout this part of the country. The Dillon Estate markets the pot plants and has a large sale covering the United States, Canada and extending even so far as England. In the several departments are from 20 to 25 skilled and practical workmen. This plant also does a large business in furnishing decorations for dinners, banquets, receptions and all social functions, giving special care to supplying funeral emblems to order. In the conducting of the business Mrs. Dillon is assisted by her son, M. G. Dillon, who is experienced in this work. Mrs. Dillon is a thorough business woman, and is highly esteemed in all circles of life in her home city, while the business that she conducts so successfully is known throughout the country for its high standard of production.



JOHN A. SMETHERS & SON, BERWICK.

The greenhouses of John A. Smethers & Son, on East Fourth street, cover over 11,000 square feet of space and are fitted with modern appliances for regulating the heat and conducting the business. There are six greenhouses, which were established and built by John A. Smethers in 1888. A few years ago Mr. Smethers associated with him his son H. K. Smethers; both men are experienced and practical in this work. The flowers and garden produce are grown for both the wholesale and retail trade, and a specialty is made of carnations. These as cultivated here have made the cultivators deservedly famous. The members of the firm are numbered among the best known business men in the county whose success is entirely due to careful management and skill.

D. W. DAVIS, BERWICK.

The D. W. Davis Greenhouses were established in 1906 by the present proprietor, who has conducted them since their inception. The houses are eight in number and have over 26,000 square feet under glass. The office, show and shipping rooms are large and fitted with modern appliances, making one of the most modern greenhouses in this part of the state. Here is grown the choicest flowers, particular care being given to carnations and roses, although Mr. Davis does a large business in pot plants, and also raises garden produce during the winter months. In cut flowers he is always prepared to furnish stock in any quantity and variety, and gives particular attention to the furnishing of decorations for banquets, receptions and social functions, and for funeral emblems. His houses are conducted under his personal supervision and there are several skilled and practical assistants employed. Mr. Davis has spent 15 years in greenhouse work and understands its every detail.

## CHRYSANTHEMUMS

### Cultural Notes.

The benched plants for cut flower purposes are now making a vigorous growth and constant attention is necessary to keep the side shoots picked off. Some varieties need going over more often than others. Polly Rose and the Ivory types will need looking after every three or four days when in active growth. The early planted exhibition stock must also be followed up close in this respect or it will be a difficult matter to have the right buds on time for selecting. This work is best done early in the morning, it being more comfortable for the operator and the shoots rub out much better than in the middle of the day. In doing this work, start at the top of the plant and work down so that if by accident the intended leader is broken off there will be another to fall back on. All of the varieties that were planted early are now making a summer or July bud and with some of the varieties this bud is very deceiving, having the appearance of a growth shoot rather than a bud.

Golden Eagle is one of those varieties that it is necessary to be careful with and it is safest to allow

the shoots to develop far enough to plainly tell the difference. But do not carry this to the extreme and allow the growths to get over large before attending to them. The proper shoot to leave to go on to make the growth is the strongest one at the top. The plant throws three growths very near its apex, a center one which at this time is the summer bud and should be removed, and two others, one a little above the other. Either of these growths are safe to leave to go on but the upper is generally not as strong as the lower, will not produce as fine a bloom and will bud up again much quicker. Another very important part of the work at this time is to keep the surface of the soil open so that the air can penetrate it. The every day syringings will batten down the surface and cause a green scum to form if it is not kept open by frequent scratching. Keeping the soil open also allows the water to pass freely through it.

Syringing two or three times a day during hot bright weather is now necessary. Also dampen the walks and



Grass Walk in Ellwanger & Barry's Nursery, Rochester, N. Y.

underneath the benches to maintain as moist an atmosphere as possible. Caution must be exercised to guard against the soil in the beds becoming over wet with so much syringing, also be sure the soil is in an even condition clear through. It seems hardly necessary to mention the matter of proper staking and supports for the plants, yet if this is not carried out as soon as needed the lack of supports will quickly ruin a number. The method of supporting and tying up must be governed to a great extent by the bench. Wires across the benches at the base of the plants and others to correspond (high enough above any growth the plants are likely to make to properly support them) with upright strings from wire to wire at each plant and the plants fastened to the strings is the method most generally in use and is one of the most serviceable.

Some of the very heavy growing exhibition varieties which often attain a height of eight or nine feet with correspondingly heavy foliage will have to be supported by staking to be able to keep the growths in order. The very early planted exhibition stock, being grown to the limit for exhibition cut flowers, can be encouraged a little by being treated to weak applications of liquid manure once every 10 days, provided the roots have obtained thorough control of the soil with occasional light top dressings of soil and fertilizer, a 5-inch pot full of fertilizer to a wheelbarrow load of fine soil. A light dressing of fine bone-meal scattered over the surface of the beds and well raked in is also good for a change. We prefer not to mulch with manure of any kind for a little while yet, it having a tendency to clog up the soil. Give the plants all the air possible and keep a sharp lookout for red spider especially on any plants near woodwork and side walls.

This season seems to be particularly trying in the matter of keeping down black and green aphid but constant spraying with the nicotine preparation or tobacco tea will get the best



ELLWANGER & BARRY'S NURSERY, ROCHESTER, N. Y.

Entrance to Grounds and Office.



of them if regularly followed up. Every bench should be sprayed at least once every three days to keep the plants thoroughly clean. All the early and mid-season varieties being taken care of and well along in growth the late varieties if not already planted into their permanent quarters, should be got there as soon as possible. Clean, healthy young stock from 2¼-inch pots at this time is ideal for planting for late work. One of the most important points to bear in mind for late stock is to give the plants a bench where they will get free light and air at all times. Make the soil good and firm and be a little cautious about the watering until the plants have obtained a good hold of the soil.

C. W. JOHNSON.

#### Specimen Exhibition Plants.

The large plants being grown for specimen bush or standard exhibition plants should now have every encouragement to make growth. The final potting having been done in early June the plants are now well established in the soil. From now on it must be constant watching every day to care for their every requirement. At present, and until about August 1, the one most important point is to keep the shoots topped back; the closer this is followed up and the more growths that can be encouraged to form, the larger will be the specimen. One thing to be careful about is not to pinch back too hard but be sure there is enough growth from the last topping to make two or three breaks. Also pinch evenly so that the specimen will form evenly. Plenty of air and space directly around each plant is an absolute necessity. Good specimen plants of any kind cannot be grown in cramped quarters and this applies particularly to the chrysanthemum.

When the plants are well established in the pots they require lots of water but they should not be kept over-wet at any time; if the soil is allowed to dry out pretty well between every watering it will remain in a sweet condition and the root action will be more vigorous, but when the plants are watered water thoroughly and repeat again when necessary. As most of the specimen chrysanthemum plants in this country are grown under glass the entire season it is necessary to syringe several times a day to insure a moist growing atmosphere, also to dampen the walks, the vacant bench spaces between the plants, underneath the benches and an occasional spraying outside on the glass during very hot weather. Keep the surface of the soil in the pots constantly scratched over to keep it open and prevent its baking; a crusty soil will cause the water to run over it and pass down between the ball of the plant and the sides of the pot instead of penetrating freely into the soil where it can do the plant some good. Well established plants will now take weak applications of liquid manure once in 10 days or two weeks but this is open to the question as to the condition of the plants and the treatment they are being subjected to and must be governed by the judgment of each individual grower who alone knows of his plants' conditions.

C. W. JOHNSON.

## HALF HOUR CHAPTERS FOR PLANT GROWERS

### Genistas.

While genistas are among the easiest of all greenhouse plants to grow, they require a good deal of pinching or clipping to keep small plants in shape for sale. The growth at this season is apt to get too rampant and run away, causing an ill-shaped plant. There is no risk, however, in clipping the plants into shape for there is plenty of time yet to harden and ripen up the growth before fall and this is all that is necessary to induce plenty of flowers. The best position for them now is outside in plant protectors with the pots plunged in ashes or litter to prevent the full rays of the sun striking them and burning the roots. Plants recently repotted will soon have the whole of the soil full of roots and will take a good deal of water. Some growers commence feeding with liquid manure but it is quite early enough for that as yet. It is better to let them have a really good hold upon the soil in the pots before commencing to feed than to run the risk of surfeiting the roots by applying food too early.

### Pot Chrysanthemums.

The work with pot chrysanthemums now is practically a repetition of what was done last month and consists of small and frequent shifts and regular stopping of the shoots to induce a bushy habit. While theoretically a chrysanthemum can not have too much sun there are times, such as after a shift, when a light shade, either under glass or in the open, is an advantage. It will lead to loss of the lower foliage of pot plants if they are exposed to sun directly after repotting and this greatly detracts from their appearance. The leaves may not fall just now, but the mischief is done just the same and will be apparent later. This frequent shifting causes considerable trouble and, incidentally,

expense but it is necessary if the plants are to be kept dwarf and of good habit. Plants given a big shift will make a stronger growth for a time but it will not answer so readily to stopping nor will it be so well ripened, consequently will not produce flowers of such good substance as the closer growing, harder growth and foliage caused by the frequent shifts and stopping. Growers for cut flowers have quite a different end in view and go after it in a different way. They keep their stems green and growing and do not trouble about ripening the growth but for pot plants the growth must be slower and consolidated as it is made if good flowers and plenty of them are to be produced.

### Araucarias.

Good plants of araucarias are offered by specialists and importers now at far below what the price will be at Christmas and it will pay any grower who has spare room at this time to purchase plants and grow them on. The best thing—to save freight—is to purchase stock that needs a shift and have the plants shipped out of pots, the balls being kept intact by careful wrapping in paper or in the paper pots now being made for this purpose. This is a matter that can easily be arranged by correspondence with the dealers. As soon as the plants arrive they should be examined and if the balls are dry they should be placed in a tank or some other receptacle to be thoroughly soaked before potting. It is not wise to put the rushing individual, who boasts of how many plants he can pot in a minute and then wastes five minutes talking about it and hindering other help as well, to pot this stock. Let the work be done carefully so that each plant stands fair in the center of the pot and upright and use the potting stick to thoroughly firm



AT THE E. G. HILL CO.'S ESTABLISHMENT, RICHMOND, IND.

Reading From Left to Right: Attorney Jones, Jos. Hill, Miss Hill, M. Barker, E. G. Hill, P. J. Lynch, Earle Mann.

—P. J. Foley, Photographer.





CINCINNATI FLORISTS AT ANNUAL ELECTION OF OFFICERS OF THE FLORISTS' SOCIETY AT GUS ADRAIN'S, JULY 11.

the soil and see that all interstices between the old ball and the pot are filled up. The soil for these plants should not be particularly rich, a good sound loam with one-fifth of well dried cow manure and some sand if the loam is at all heavy being quite rich enough for them. The araucaria is almost a hardy plant, liking a cool airy position and only partial exposure to sunlight. In a house fairly heavily shaded and well ventilated the plants take on a good deep green tint and grow well. They also do well in shaded houses or pits or in plant protectors outside if sprayed freely and shaded from direct sunlight.

#### Jerusalem Cherries.

There is no question about the superiority of plants kept in pots right along over stock that is planted out in the open ground in summer. The grower who neglects his plants may just as well plant them out as not for they will be less liable to damage outside than inside, but plants that are kept growing by careful attention to their needs now will be far better than others planted out and lifted just at a critical stage, such plants always suffering more or less from the disturbance. Plants now in 2½-inch or 3-inch pots should be given a shift into 5-inch, using a sound fibry loam rather than a rich compost in order that the plants may have a good root system. It is easy to feed with liquid manure later as it becomes necessary. The shoots should be kept regularly pinched right along and not allowed to flower yet. Keep them in a cool moist bottom of ashes or gravel and spray regularly, also damping down between the pots twice daily. A cool and moderately shaded house or frame is best for them at this stage and the atmosphere must not be allowed to dry up or red spider and other

insects will soon ruin the foliage. Just after repotting considerable care is necessary in watering, but when the roots have again obtained a good hold of the soil they must be kept moist. In a few weeks the plants will have run through all the new soil and feeding will be in order, beginning with weak liquid manure water and increasing the strength later.

#### Cleanliness and Order.

There is nothing that stamps a plant grower as unsuccessful so quickly as a place out of order, where pots, oddments of soil, plants that have become useless, old stakes and labels and other rubbish are lying around. The successful and up-to-date grower knows that in this accumulation of odds and ends he is losing valuable space, spoiling the appearances of his houses and, worst of all, laying the foundation for attacks of insects and disease. For it is not in vigorous growing plants that disease first appears nor is it they that are first attacked by insects. It is the plant that has gradually gone out of cultivation through want of cultural care whose enfeebled condition invites these attacks and makes a stronghold for the enemy from which congenial quarters the healthy vigorous stock is attacked. It is worthy of note, too, that whenever a place is put into good order it is less trouble to run than an untidy place. The men know that if anything in the way of rubbish is left about they are in for a calling down from the foreman or whoever is in charge and no man worth his salt is going to run the risk of losing caste with his employer for the sake of a little care in this respect. The spirit of tidiness is infectious and far reaching, the youngest boy on the place or the oldest man catching it if it is constantly before him and thus the foreman or employer who has not

to be constantly telling his help about these things is left free to go about his business without the petty irritations caused by seeing these evidences of carelessness on all sides. It is an easy matter when, for instance, a bench of plants is being given a new stand to have a rubbish box or basket at hand in which to dump dead plants, leaves or anything else. The plants as they are reset are picked over, the soil on the surface moved if necessary, the surface of the ashes or gravel scratched over and everything left ship shape. Then a man finishes his work as he goes and has not to be followed by another to clean up after him. A man who is tidy in his habits this way though inexperienced is worth far more than a more experienced one who has got into slipshod habits. The first will gain experience as he goes but the one who is careless and "sot in his ways" is as likely to change his habits as the Ethiopian his skin or the leopard his spots. There is no hope for the untidy plant grower.

#### Preserve the Toad.

Professor Washburn of the Minnesota University farm finds toads to be friends of the farmer. They feed entirely on an incredible number of insects. The federal Department of Agriculture, investigating the toad, discovers the startling fact that in 24 hours the insect food consumed by one toad equals in quantity four times the capacity of its stomach, which is practically filled and emptied four times every 24 hours. One hundred and fifty-nine stomachs examined by the department showed a content of 19 per cent of ants, 16 per cent of cut-worms, 10 per cent of thousand-legged worms, 9 per cent of caterpillars, 8 per cent of ground beetles, 5 per cent of destructive weevils, 3 per cent of grasshoppers, together with crickets, spiders, sow bugs, potato bugs and a miscellaneous lot of other insects. Protect the toad. Teach the thoughtless boy friendliness to this helpless, harmless, useful animal.—Country Gentleman.



## Society of American Florists.

Preliminary programme Twenty-Sixth Annual Meeting and Exhibition at Rochester, N. Y., August 16, 17, 18, 19, 1910.

TUESDAY, AUGUST 16.

Opening Session.

First Day, 2.00 p. m.

Address of Welcome..... His Honor, H. H. Edgerton, Mayor of Rochester.

Address of Welcome.... Geo. Deitrich, Pres. of Chamber of Commerce.  
Response..... Robert Craig  
President Pierson's Address.  
Reports of Officers, Committees, etc.  
Report of Committee on President's address.

Discussion.

Miscellaneous Business.

Judging of Trade Exhibits.

Evening Session.

First Day, 7.30 p. m.

President's reception.

WEDNESDAY, AUGUST 17.

Morning Session.

Second Day, 9.30 a. m.

Use of Cement with Especial Reference to Greenhouse Construction  
Edward D. Boyer, Cement Expert, Atlas Portland Cement Co.  
Discussion.

Value of Experiment Stations to Ornamental Horticulture..... W. N. Rudd

Discussion.

Second Day, 11.00 a. m.

Selection of Next Meeting Place.

Nomination of Officers for 1911.

Report of Judges of Trade Exhibits.  
Annual Meeting Ladies' Society of American Florists at Seneca Hotel.  
Afternoon Session.

Second Day, 2.30 p. m.

Retail Florists' Association.

..... J. A. Valentine  
Discussion.

The National Flower Show.....

..... Wm. J. Stewart  
Discussion.

Evening Session.

Second Day, 8.00 p. m.

Illustrated Lecture.....

John Dunbar, Assistant Superintendent of Parks, Rochester, N. Y.

Second Day, 9.00 p. m.

Ladies' Reception at Seneca Hotel.

THURSDAY, AUGUST 18.

Morning Session.

Third Day, 9.30 a. m.

Sectional Meetings.

Retailers' Section.

American Carnation Society.

American Rose Society.

National Sweet Pea Society.

Florists' Hall Association.

Gladiolus Society.

Third Day, 11.30 a. m.

Election of Officers—Polls to remain open two hours.

Afternoon—No Session.

Third Day.

Bowling Contest and Other Sports.

Evening Session.

Third Day, 8.00 p. m.

Symposium on Greenhouse Heating.

Speakers to be announced later.  
Discussion.

FRIDAY, AUGUST 19.

Fourth Day.

In the hands of the Rochester Florists' Club.

## Trade Exhibitors to Date.

The Advance Co., Richmond, Ind.  
American Blower Co., Detroit, Mich.

S. A. Anderson, Buffalo, N. Y.

Chas. Apelt, Comfort, Tex.

Art Bronze Mfg. Co., Chicago.

Chas. D. Ball, Holmesburg, Philadelphia, Pa.

H. Bayersdorfer & Co., Philadelphia, Pa.

C. Betscher, Canal Dover, O.

B. S. Blake, Rochester, N. Y.

Bobbink & Atkins, Rutherford, N. J.

Arthur T. Boddington, New York.  
Lemuel Ball, Wissinoming, Philadelphia, Pa.

Wm. J. Boas & Co., Philadelphia, Pa.

L. B. Brague & Son, Hinsdale, Mass.

The E. C. Brown Co., Rochester, N. Y.

Brown Bros. Co., Rochester, N. Y.

John Lewis Childs, Floral Park, N. Y.

Climax Mfg. Co., Castorland, N. Y.

Conard & Jones Co., West Grove, Pa.

Arthur Cowee, Berlin, N. Y.

Robert Craig Co., Philadelphia, Pa.

N. L. Crawford, La Grange, O.

Henry A. Dreer, Philadelphia, Pa.

Detroit Flower Pot Manufactory, Detroit, Mich.

Chas. Eble, New Orleans, La.

H. Eichholz, Waynesboro, Pa.

W. H. Elverson Pottery Co., New Brighton, Pa.

Ellwanger & Barry, Rochester, N. Y.

The Foley Mfg. Co., Chicago.

Geo. M. Garland Co., Des Plaines, Ill.

Benjamin Hammond, Fishkill-on-Hudson, N. Y.

George B. Hart, Rochester, N. Y.

Herendeen Fg. Co., Geneva, N. Y.

A. H. Hews & Co., Cambridge, Mass.

Jackson & Perkins, Newark, N. Y.

Ionia Pottery Co., Ionia, Mich.

Kessler Bros., New York.

King Construction Co., N. Tonawanda, N. Y.

H. W. Koerner, Milwaukee, Wis.

Kroeschell Bros. Co., Chicago.

Geo. A. Kuhl, Pekin, Ill.

Lager & Hurrell, Summit, N. J.

Daniel B. Long, Buffalo, N. Y.

MacFarland Publicity Co., Harrisburg, Pa.

Mallory & Bridge, Lake Mills, Wis.

W. A. Manda, South Orange, N. J.

H. D. Mann Co., Syracuse, N. Y.

Henry F. Michell, Philadelphia, Pa.

John C. Moninger Co., Chicago.

Morehead Mfg. Co., Detroit, Mich.

National Clock & Electric Mfg. Co., St. Louis, Mo.

Jos. G. Neidinger, Philadelphia, Pa.

S. S. Pennock-Meehan Co., Philadelphia, Pa.

J. A. Peterson, Cincinnati, O.

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Reed & Keller, New York.

M. Rice & Co., Philadelphia, Pa.

Julius Roehrs Co., Rutherford, N. J.

Schloss Brothers, New York.

Shaw Fern Co., Pittsfield, Mass.

B. B. Stewart, Rives Jet., Mich.

Storrs & Harrison Co., Painesville, O.

Stumpp & Walter Co., New York.

Syracuse Pottery Co., Syracuse, N. Y.

Taylor Steam Trap Co., Battle Creek, Mich.

B. Hammond Tracy, Wenham, Mass.

Vaughan's Seed Store, Chicago.

James Vick's Sons, Rochester, N. Y.

Vick & Hill Co., Rochester, N. Y.

Wertheimer Bros., New York.

Wilson-Hoyt Co., New York.

A. J. Binley, Glens Falls, N. Y.

Lord & Burnham Co., New York.

## The Fancy-Leaved Caladiums.\*

## Twelve Best New Hybrids.

## NOT YET IN THE TRADE.

Edward G. Uihlein (1907). A glorious variety, a seedling of Diamantina, crossed with Elsa. Large pointed leaf, very wavy, the ground color a mixture of transparent pink, pea green and moss green spots or cloudings. Sinus bright red. Very distinct and vigorous.

Audubon (1907). Glowing red with violet reflections, scarlet ribs and green border, the latter vined deep red. Very robust.

Fred. A. Lewton (1907). Bronze-green, suffused with lilac, many rosy spots. Vigorous. New color.

\*Mr. Nehrling's paper commenced in our issue of July 10, 1909, and was continued July 31, October 9, November 27 and January 8, February 19, April 9, May 7 and 28, and July 2, 1910.

Henry Pfister (1907) Center red, ribs coral red, the entire leaf clouded pure white, red and moss-green in large patches. Very distinct.

J. D. Eisele (1907). Large leaves with black stems Ground color metallic green, densely and minutely veined and spotted deep rose, center transparent rose, ribs blackish-red. A very brilliant kind.

Mrs. Katherine Rinaldi Ferris (1908). Pure transparent white with narrow green border. Exquisite and very distinct.

Mrs. Sophia Nehrling (1908). A most distinct and exquisite variety. Pure milky white, a little transparent, narrow pink midrib and veins. The center suffused slightly with pink. Very delicate and striking.

Mrs. Geo. B. Green (1908) Large leaf, beautiful transparent rose, veined pure white, ribs emerald green, bordered by a white zone, narrow deep green border. Strikingly beautiful.

Souvenir of Hedwig Else (1908). Pure white with delicate thread-like green rib and veins. Very fine and delicate.

H. L. Beeman (1907). Clear purplish crimson, clouded with green, this again minutely freckled red Leaf stem has two dark stripes. Magnificent.

Mrs. W. L. Palmer (1907). A gigantic variety, very much like Rio de Janeiro. Leaf rosy red, suffused with white, yellow and green.

Walter (1907). Immense leaves, ground color deep transparent pink, red midrib and veins clouded deeper red. A fine color combination.

## Twelve Best New European Caladiums.

Le Resplendissant (Bleu.) Beautiful deep rose with a number of blood red spots. Very distinct, medium grower. Souvenir de Mademoiselle Henriot (Bl.) Creamy-white, with pure white spots and deep red veins and ribs. Medium.

Lady Dorrington (Bl.) Very small and finely shaped milk white leaf suffused with greenish blue in the center and with round red spots. Weak in growth, but exquisite and unique in coloration. (These three varieties were introduced to the trade in 1900.)

Justizrath Dr. Friedleben (Hoffm.) 1899. Large leaf, very bright red center, with red spots and green edge.

Frau Direktor Siebert (Hoffm.) 1901. Pointed leaf, creamy white, center brick red, irregularly spotted pink and green.

Blanchette (Hoffm.) 1902. Pure white or pink, ribs bright red, border green.

Admiral Togo (Hoffm.) 1902. Transparent rose pink, darker red veins, green border.

Marie Moir (Hoffm.) 1903. Unique coloring, white with green ribs and veins and bright blood red spots. A red spotted Candium.

Souvenir of M. J. Burn (Hoffm.) 1905. Very vivid transparent red, with more or less wide emerald green margin.

Thomas Tomlinson (Hoffm.) 1905. Very deep red center, the blotches and markings of red surrounded by pure white margin, encroaching irregularly upon the deep green edge.

Lewis Waller (Hoffm.) 1905. Tall and vigorous. Center deep glossy red, deep green border.

Dorothy Peto (Hoffm.) 1905. Very bright opaque, pink center, irregularly encroaching into the more or less bright green border.

## Twelve Best New Brazilian Caladiums.

These and many others of A. Lietze's new Caladiums surpass everything in the line of caladiums heretofore known. None of the European kinds can rival them in beauty and in new color com-



bination, and all are strong growers. Their first leaves are disappointing, being almost entirely green, but every following leaf shows more color, until they outrival all others in transparency, brilliancy and unique magnificence.

Blumenau (L.) Transparent light lilac, veins and ribs creamy.

Campos Salles (L.) Transparent bluish, netted with white veins.

Bleu (L.) Broad pale violet ribs and center, edge grayish-green.

Anajatuba (L.) Creamy white ground-color, mature leaves almost entirely transparent claret-red.

Itaituba (L.) Most beautiful bluish violet, suffused with white.

Itapagibe (L.) A greenish cream-color with large transparent red clouds and blotches.

Joao Gandra (L.) Center fiery red, edge yellowish white, finally the entire leaf glowing red.

Camaragibe (L.) Santiny-yellowish-creamy, spotted and clouded with pink.

Dona Clara (L.) Transparent white, narrow green border.

Mauricio de Nassau (L.) Beautiful transparent dark wine red, clouded with creamy white. Very vigorous.

Guarapuava (L.) Transparent dark rose, yellowish green ribs and border.

Tibirica (L.) Magnificent claret red, transparent, ribs and spots creamy yellow.

### Twelve Best Red Caladiums.

All the red Caladiums are very gorgeous and fine for massing, particularly if grouped together with the white varieties, such as Ivory, Silver Queen, etc., or with light colored kinds such as Lady Dorrington. Most of them are weak in growth and cannot be propagated rapidly.

Ibis Rose (Bleu.) Delicate pure rosy red, leaf-stems green. A rather rare kind, of weak growth.

Gartendirektora Siebert (L.) A most dazzling red kind of pure scarlet rose, stems red. Exquisite, dense and bushy in growth.

Michel Buchner (Bl.) Of strong growth and brilliant red color.

Mrs. Harry Veitch (Bl.) One of the very best red Caladiums; of dazzling fiery red suffused with golden and metallic tints. A good vigorous kind.

La Lorraine (Bl.) A most beautiful rosy violet kind.

Tiriba (L.) Very strong in growth, large leaves, bronze red, finally entirely fiery red.

Cardinale (Bl.) Entirely cardinal red, very fine.

B. S. Williams (Bl.) Deep red, with violet reflections.

Flammant Rose (Bl.) Large leaves of a deep rose color.

Ernst Benary (L.) Violet red small leaves.

Grenat Rouge (Bl.) Beautiful garnet red, strong in growth.

Mangaratiba (L.) Dazzling red center, border suffused with bronze. strong in growth.

### Yellow Caladiums.

The great hybridizers Bleu and Lietze did not succeed in their attempts to produce Caladiums with a yellow ground. Bleu raised A. Chaber and Rayon d'Or, which sometimes show a yellow tint, but they vary, and Lietze's Ouro Fino also shows an exquisite yellow tint, but this soon disappears. Richard Hoffmann, today the greatest Caladium hybridizer in Europe, succeeded in raising the finest yellow Caladium in existence, which also has the advantage of being a strong grower. This is:

Golden King (1903.) The large leaves are pure sulphur yellow, showing transparent pink massive patches.

All of Bause's yellow kinds are weak in growth, but exquisitely beautiful and well adapted to greenhouse culture in the northern countries. They cannot

be grown in Florida, nor do they thrive in Brazil. They seem to need a cooler atmosphere than other kinds. The first hybrids were obtained by the late C. F. Bause about 30 years ago. These were the following:

Prince of Wales (B.) Golden yellow. Princess of Teck (B.) Orange-yellow, center and ribs deep red.

Princess of Wales (B.) Pale golden yellow, sometimes with red spots.

Princess Royal (B.) Golden ground color, crimson center.

Golden Queen (B.) Light yellow, rather canary yellow.

### Amazonicum Section.

The 12 best caladiums without hind-lobes. The characteristic of this new strain is that they are devoid of the two projecting lobes, thus leaving a distinctly ovate acuminate leaf. All the following are productions of a A. Lietze, who raised them from C. Amazonicum.

Suya (lost).

Castelnau, Deep green with bluish sheen, white ribs and deep pink spots.

Exu, Transparent rose center, zone mottled pink, white and green, green border.

Codó, Very robust, deep green ground, densely mottled white, pink and red. Beautiful.

Manoel Telles Barreto, Beautiful white transparent center, green border.

Don Manoel Lobo, Yellowish green, spotted rose, green and pink.

Crissiuma, Pure transparent white, deep blackish green ribs and veins.

Itapary, Deep rosy center, yellowish zone, mottled red, some large pink spots.

Ressaquinha, Pink, mottled glowing red and green, deep green veins.

Mambucaba, Center brownish red, white conspicuous ribs, green border.

Malhadinha, Magnificent carmine rose shade, very robust.

Penalva, Pure transparent white, green ribs. Exquisite.

Calajo, Brilliant red center, fiery red ribs. Magnificent.

### Albanense-Speciosum-Venosum Class.

Mrs. Oliver Ames (?) Creamy white, netted darker. Undoubtedly a hybrid of C. speciosum.

Countess of Warwick (?) Red center, narrow green border. A hybrid of C. Albanense.

Broad Arrow (Mead.) Deep glowing rosy red, narrow green border. The finest of its class.

Lucille (Mead.) Pure milky white, very beautiful.

Hedwig Else Nehrling (Mead.) Glaucoous green, white midrib, many rosy spots with a white edge. Very distinct. Hybrid of C. venosum. One of the most distinct and beautiful of its class.

Cherokee (Mead.) Small narrow pointed leaf, satiny red, narrow light green border. Leaf stems with two black stripes. Growth very bushy. Hybrid of C. Albanense.

Chickasaw (Mead.) Short broad bright red leaf, brighter red midrib and nerves, green border. Very fine. Hybrid of C. Albanense.

Thonatosassa (Mead.) Fine glossy green, leaf, with main ribs and nerves very light yellowish green, forming a conspicuous network; border red. Hybrid of C. speciosum.

Wekiva (Mead.) Long-pointed narrow leaf, black leaf-stems, green ground suffused brownish, network of light colored veins, narrow red border. Hybrid of C. speciosum.

Welaka (Mead.) Seminole name of St. John's River, Florida. Network of brown veins on deep green ground, white midrib, narrow red border. Hybrid of C. speciosum.

Apopka (Mead.) Large lance-shaped pointed leaf green network of

brownish veins. Hybrid of C. speciosum.

Choctaw (Mead.) Bushy in growth. Brownish-red center, bright red midrib and veins, green border. Hybrid of C. Albanense.

With the exception of the first two all the above are new varieties, and are now in the possession of Henry Nehrling. They are all very beautiful, distinct in growth and vigorous growers.

## OBITUARY.

### Mrs. Nathan Smith.

Mrs. Nathan Smith, widow of the late Nathan Smith, and mother of Elmer D. Smith of Adrian, Mich., died at Rochester, Mich., July 12. Mrs. Smith was nearly 87 years of age and had lost some of her physical and mental vigor, but was apparently unusually well on Friday, July 8, when she started from home with her son, to visit her niece for a time. They stopped in Detroit and she visited at the home of Dr. Ellis, an old family friend, over night, and then met by her niece's husband, went on out to Rochester. Visiting and planning Tuesday morning upon a visit to Mrs. Winegar's brother with home duties, had occupied their attention until about 10 o'clock, when Mrs. Smith was seized with an attack of heart failure. An hour later she had passed away, death coming to her before the arrival of a physician at the rural home of the niece.

Mrs. Smith was the daughter of Mr. and Mrs. Archibald Green, who were pioneers of Flint and Genesee county, Mrs. Green being the first white woman resident of Flint, and the first white woman to die in the county of Genesee. Mrs. Smith was born in New York state before the family came to the wilderness, but was only a tiny little girl when the trip west was made by her people. She was married at Southfield, which later became the home of the family, and the first year of their married life was spent near Birmingham. Mr. Smith was a cabinetmaker and joiner by trade and worked in Detroit, the family home being there for 15 or 16 years after leaving Birmingham.

Mr. Smith worked at his trade after they came to Adrian, and Mrs. Smith presided over the home and busied herself with her plants and flowers, as an expression of an inherent love. From a conservatory, which was first a part of her home at 167 West Maumee street, have developed the greenhouses of Elmer D. Smith & Co., at 167-175 West Maumee street, and formerly conducted by Nathan Smith & Son. Mr. Smith, with the growing demands of the greenhouse business, finally gave up his trade to assist Mrs. Smith, and together they developed the work step by step, assisted by the son, who later took over the management and who has made such a wonderful success in chrysanthemum development as to win national recognition.

To Mr. and Mrs. Smith were born two sons, the elder of whom, Alfred, enlisted in the Eighteenth Michigan infantry and died of pneumonia caused by exposure while in the service, and Elmer D. Smith, previously mentioned. Mr. Smith died three years ago. Mrs. Smith's time was largely taken up with her home and business interests while health and years permitted of her activity. She had been very prominent in the Ladies' Aid, which, during the war, did so much to give comfort to the soldier boys at the front.



# THE AMERICAN FLORIST

1885 TWENTY-FIFTH YEAR 1910

Subscription, United States and Mexico \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,  
324 Dearborn St., CHICAGO.

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### American Gladiolus Society.

There is every indication that the first exhibition of gladiolus blooms, under the direction of the American Gladiolus Society, will be very successful, but we hope that everyone interested in gladioli will lend their aid in making it an unusual success. Our membership is now about 110. We would like to double this before the annual meeting in August. Let us all give a boost. Start it by sending in your application.

ISAAC S. HENDRICKSON Pres.

A prize of \$10 is offered by H. H. Groff for best exhibit in white and light, dark, yellow and blue hybrids, not more than three spikes of any one variety (i. e. one to three spikes) one or more vases of each color section. Quality and value only to govern.

L. MERTON GAGE, Sec'y.

AN important item respecting the steam coal situation in Chicago will be found on page 1272.

THE Third National Horticultural Congress and Exposition will be held at Council Bluffs, Ia., November 10-19, 1910. Freeman L. Reed is superintendent.

VALUABLE prizes are offered by the St. Louis Horticultural Society for competition at its fall show, November 8-12, particulars of which are given on page 1247.

THE Lenox (Mass.) Horticultural Society will hold its annual summer exhibition at the town hall, Thursday, July 28. This exhibition consists chiefly of annuals and perennials, sweet peas, fruit and vegetables.—G. H. I.

A. WEBERBAUER has been made a director of a park in Lima, Peru, that is to be transformed into a zoological and botanical garden connected with the university. Mr. Weberbauer's work on the "Plants of the Peruvian Andes" is soon to appear.

REV. W. T. HUTCHINS has favored us with a copy of his excellent paper, read at the recent New York meeting of the National Sweet Pea Society. Most of the points touched upon have already been covered in Mr. Hutchins' articles in our columns.

A PAMPHLET in Spanish, and a translation of the same, concerning the industrial palm trees of the Isthmus of Panama, have been received from Consul James C. Kellogg, of Colon, and are on file in the Bureau of Manufactures, Washington, D. C.

THE preliminary premium list of the State Florists' Association of Indiana for its fall flower show is out. The show will be held in Tomlinson hall, Indianapolis, November 8-12. Copies of the premium list may be had on application to A. F. J. Baur, Thirty-eighth street and Senate avenue, Indianapolis, Ind., secretary.

### Winnipeg World's Fair.

At a banquet to Premier Sir Wilfred Laurier of Canada given by the citizens of Winnipeg, Manitoba, July 12, he promised a grant of \$2,500,000 by the government to the World's Fair to be held there in 1914. Railways and local governments have promised an equal sum.

### Society of American Florists.

#### REGISTRATION OF FERN.

Public notice is hereby given that Kessler Bros., 52 W. Twenty-eighth street, New York, and G. Dreyer, Woodside, L. I., offer for registration the fern described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

#### RAISER'S DESCRIPTION.

Nephrolepis Dreyeri.—A sport of Nephrolepis Bostoniensis and of the Scottii type; of compact growth with flat leaves of dark green color. The fronds are narrow and droop over the pot when the plant is full grown.

H. B. DORNER, Sec'y.

July 14, 1910.

### Canadian Horticultural Association.

#### TARIFF IN PLANTS AND SUPPLIES.

The Canadian Horticultural Association, through its secretary, John Hall, 825 St. Catherine street W., Montreal, has issued to members a slip asking for their opinions as to whether a customs tariff should be imposed on various plants, cut flowers and supplies including those named below, also, if so, what the amount of the duty should be. Cut flowers, greens and leaves, bedding plants and plants of roses, carnations, palms, ferns, rhododendrons, box and bay trees, bulbs (Dutch and French) orchids, hardy perennials, cannas, caladiums and tuberose, rooted cuttings and plants being sent out for the first time by the disseminator, also flower pots and nicotides for fumigation purposes.

### American Rose Society.

#### AUGUST MEETING.

There have been more members of the American Rose Society paid up their dues the present year than at any time since the society was organized, and we have plenty of room for more, because the larger the revenue the better the work.

The Toronto Horticultural Society sends us word that it is very gratifying to receive from the American Rose Society the bronze and silver medals which have been forwarded to them as prizes to be offered in the city of Toronto. These medals certainly create an interest wherever they are received.

Making a long tour, it has been remarkable how many places are most beautifully decorated with rambler roses this season. The use of the rambler for decorating any odd spots is certainly growing.

The city of Rochester is making a strong effort to have a great show for the S. A. F. in August and the American Rose Society will call a meeting during the convention. President Elliott will do all that is in his power to push the society along, following in the footsteps of the able men who were his predecessors.

A matter of some importance that will be brought up for consideration at Rochester will be looking forward to the special prizes to be offered at the spring show of 1911. The American Rose Society in the combined show of all flowers wants to take the lead. Probably 60 per cent of all flowers raised for sale in America are roses and what we want to do is to get in advance enough people interested to make the rose show in 1911 the best exhibition that can be produced. We would like to have prizes enough to warrant drawing exhibits from every point within transportable distances.

BENJAMIN HAMMOND, Sec'y.

### Meetings Next Week.

Baltimore, Md., July 25, 8 p. m.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.

Cleveland, O., July 25, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit avenue.

Lake Forest, Ill., July 27, 8 p. m.—Horticultural Society of Lake Forest, Council Chamber, City Hall.

New London, Conn., July 27.—New London County Horticultural Society, Elk's hall.

Toledo, O., July 27.—Toledo Florists' Club.

Winnipeg, Man., July 27.—Winnipeg Florists' Association.



## Wants, For Sale, Etc

**One Cent Per Word, Cash with Adv.**

**For Plant Ads., See Ready Reference Section.**

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

**Situation Wanted**—Position as foreman, all around florist and plantsman, where American Beauties are a specialty preferred.  
Key 156, care American Florist.

**Situation Wanted**—Gardener good at growing pot plants under glass, vegetables and all outdoor work; first-class refs.; private place preferred; single, age 34.  
Address GARDENER, care American Florist.

**Situation Wanted**—Advertiser wants situation as manager of large commercial place for roses, carnations, palms and ferns; have been manager of large greenhouse for the last fourteen years.  
Key 164, care American Florist.

**Situation Wanted**—Cornell student who has had practical experience in retail flower store and in nursery lines desires a good position on the Pacific coast; would invest in suitable place.  
Key 147, care American Florist.

**Situation Wanted**—By practical middle aged florist; life experience in growing roses, carnations, violets, chrysanthemums and bedding plants; single, sober, industrious; state wages. Address  
Key 153, care American Florist.

**Situation Wanted**—By practical middle-aged florist; life experience in growing roses, carnations, violets, chrysanthemums and bedding plants; single, sober, industrious; state wages. Address  
Key 149, care American Florist.

**Situation Wanted**—As designer and decorator or manager of retail store; twelve years' experience in all parts of the country; good references; a hustler and not afraid of night work at any time. Address  
Key 158, care American Florist.

**Situation Wanted**—On private place near large town or small city by an experienced gardener, capable of laying out grounds and doing all work pertaining to planting growing and care of gardens; unexcelled references; parties looking for a reliable, steady man of good character and habits who knows his business, address  
Key 144, care American Florist.

**Situation Wanted**—Wanted to correspond with a party desiring an all around gardener and florist. German single, age 26; 12 years' European and American experience in growing cut flowers, pot bedding plants; good propagator and designer, also landscaping, nursery and growing vegetables; at present in charge of a gentleman's estate in south Texas and would accept a permanent position August 1, taking charge or as assistant foreman, private or commercial, and anywhere in the United States; can furnish references as to honesty, sobriety and character; when answering state particulars and salary.  
Key 150, care American Florist.

**Help Wanted**—For greenhouse and outside; all-around young man.  
Key 151, care American Florist.

**Help Wanted**—A rose grower to work in rose sections; state wages without board.  
COLE BROS., Peoria, Ill.

**Help Wanted**—Three experienced potters; give references. VAUGHAN'S GREENHOUSES, Western Springs, Ill.

**Help Wanted**—For greenhouse work; three or four good potters. Apply to  
BASSETT & WASHBURN, Hinsdale, Ill.

**Help Wanted**—Three good carnation growers for sections; three helpers; steady employment; \$35.00 to \$60.00 per month.  
POEHLMANN BROS. COMPANY, Plant A, Morton Grove, Ill.

**Help Wanted**—Farm manager, who has some knowledge of nursery and greenhouse work. A good place to the right man; state experience and name references.  
A. F. W., P. O. Box 330, Richmond, Va.

**Help Wanted**—A young man, experienced in seed business as salesman, to work himself up in the business; increase in salary with increased business; state age, experience and salary expected.  
Key 159, care American Florist.

**Help Wanted**—At once, a man with three or four years' experience as an all-around helper on a place of 2500 feet of glass, devoted all to cut flowers, carnations and roses mostly; state wages wanted in first letter.  
EDWARD TATRO, Salina, Kansas.

**Help Wanted**—Working foreman, married, capable of taking charge of an establishment of 40,000 feet of glass, where roses, mums, carnations and general stock are grown. None but a thoroughly competent man, capable of handling help to advantage, need apply. Send references from places where employed in like capacity in first letter and state wages expected. Address  
Key 162, care American Florist.

**For Sale**—44 vegetable cuts for catalogue work, only used once; \$25.00 buys the lot for quick sale. Proof sheet furnished on request.  
SOUTHWESTERN SEED CO., Fayetteville, Ark.

**For Sale**—80-acre farm, 17 miles from Chicago, five blocks from station, sidewalk out to farm, switch track, good soil. Ideal location for greenhouses. Address  
FRANCIS A. BECKER, Des Plaines, Ill.

**For Sale**—Two second-hand hot water boilers in a first-class condition; one for 6,000 and one for 6,500 lineal feet of 4 inch pipe.  
SUPERIOR MACHINE & BOILER WORKS, 840-850 W. Superior St., Chicago.

**For Sale**—Fine 40 acre farm, with greenhouse and small nursery. Price, with team tools and \$1,500 worth of nursery stock, \$2,100. Great opportunity. Write for particulars.  
M. BENSON, Dongola, Ill.

**For Sale**—Old established greenhouse plant for sale or rent; about 10,000 feet glass, dwelling house seven rooms; everything in good shape; owner has other business. Apply to  
J. B. WHITEHEAD, Trust Bldg., Rockford, Ill.

**For Sale**—A bargain! Greenhouses, all improved with dwelling in good condition, at Shawnee, Okla. Will rent or sell on your own terms. Make me an offer. No reasonable proposition refused. For particulars address  
Key 161, care American Florist.

**For Sale**—30,000 feet of glass in Illinois; steam heat; one-third-built last year; stocked with roses, carnations, callas ferns etc.; wholesale and retail; doing a splendid business; 7 acres in fruit; dwelling house, 10 rooms, all modern improvements; tenement house, 6 rooms; artesian well, windmill and engine large barn and sheds, horse, cow wagon, buggy and tools; about 100 chickens, room for 1000. Price \$21,000, one-third cash, balance easy terms.  
Key 165, care American Florist.

**For Rent**—Greenhouse; call on or address  
ED. CULLY, Liberty, Ind.

**For Sale or Rent**—Cheap; four greenhouses and stock in college town in northern Ohio.  
Key 163, care American Florist.

**For Sale or Rent**—40,000 square feet of glass, in good location; needs partial rebuilding; rent accordingly, or will sell at reasonable price.  
Key 460, care American Florist.

**Wanted**—Second hand greenhouse bars, 12 and 8 ft. lengths; also a quantity of glass, 12x14 or 16x18.  
NORTH SIDE GREENHOUSE, 55 E. Pultney St., Corning, N. Y.

## WANTED.

**Seedsmen capable of earning \$1000 per year.** State fully your experience in seed business. Address

**Key 494, care American Florist.**

## For Sale or Rent.

Four greenhouses and residence; good location, 1/2 block from carline; north-west side.

**R. VIRUS, 5324 Leland Ave., Chicago,** near Milwaukee Ave.,

## WANTED

Young man with thorough ornamental nursery stock training. Splendid opening for right party. Must furnish the best of recommendation. Address

**Elm City Nursery Co., New Haven, Conn.**

## OPPORTUNITY

Are you looking for a place to locate? Here is your chance. The best opening I know of for an up-to-date seed store, retail and wholesale; large territory; just the place for a man with some capital. Investigate at once. Address

**Key 160, care American Florist.**

## NOTICE

—OF—

### STOCKHOLDERS MEETING

CHICAGO, July 14 1910.

**Stockholders of the American Florist Company:**

You are hereby notified that the annual meeting of the stockholders of the American Florist Company will be held in the Power's Hotel, Rochester, N. Y., Wednesday, Aug. 17, 1910, at 3 o'clock p. m., for the purpose of electing directors and officers for the ensuing term and for the transaction of such other business as may come before the meeting.

J. C. VAUGHAN, Pres.  
M. BARKER, Sec'y.

# Manager Wanted

Advertiser is seeking thoroughly competent manager for a new up-to-date commercial greenhouse establishment in the west; state age, experience and salary.

**Address Key 152, care American Florist.**

# Are You Aware

**THAT OUR 1910 DIRECTORY**

**OF FLORISTS  
SEEDSMEN AND  
NURSERYMEN**

Contains Approximately

**1,500 New Names in Its 570 Pages**

**Price \$3.00 Postpaid.**

Every name is keyed to show the branches of the business in which each individual or concern is engaged, with greenhouse area and acreage of land.

**AMERICAN FLORIST CO.,**

**324 Dearborn St., Chicago**



# Poehlmann's Flowers

Our flowers are the best. There is no doubt about this. All who have had dealings with us know that we are always here with **QUANTITY** and **QUALITY**. Why go on dealing with second-rate firms and commission agents while we are offering the products of the "Largest and Most Up-to-date Greenhouse Plant in the World" shipped direct?

## CHOICE HOME-GROWN

### Orchids

A Specialty

VALLEY and HARRISH

### Lilies

All the Year Around

All classes of

### GREENS

including the best in **Smilax**,  
**Asparagus** and **Ferns**.

From the American Florist, July 16, 1910

A word is in order here as to the way the cut flowers are handled which probably accounts for the excellent manner in which the stock arrives at the store. The flowers are cut twice daily and are placed in the cooling rooms for about four hours, just long enough for them to lose the greenhouse heat. They are then packed expeditiously and shipped by express to the store where they arrive in the very best possible condition. Here John Poehlmann takes hold, and any long distance shipments that have to be made are packed at once and leave by the quickest route, insuring their arrival in good shape even in the hottest weather. The wonderful growth of this business is a great tribute to the skill and energy of the Poehlmann brothers, one and all, and shows what great things can be done when the facilities for doing business are there and plenty of the right kind of help to keep things moving.

## Beauties

from special stock grown  
for summer blooming.

### Killarney

**White Killarney**  
**My Maryland**  
**and Perles**

The finest in this market.

## CARNATIONS

in all leading varieties—  
plenty of white.

**POELHMANN BROS. CO.,** OFFICE AND SALESROOM:  
**33-35-37 RANDOLPH STREET, Chicago**  
LONG DISTANCE PHONE, RANDOLPH 35.

### Chicago.

#### GOOD ROSES SCARCE.

While a few of the larger growers that devote a number of houses to summer roses exclusively are cutting a fair amount of good stock, yet there is nothing like a full supply and even the poorer kinds are not over plentiful. The heat has rushed the flowers out so rapidly that there is no substance to the petals and consequently the flowers do not last. Kaiserin is now proving its superiority as a summer rose, as White Killarney is thin and showing too much of a red tinge, while of Bride the less said the better. Richmond, too, has no size or substance and, although not so good in color, Cardinal is a far better summer rose in every other respect. It has flowers of good substance and on good stems, being almost the only red that stands the heat. Beauties are in fair order only, and there are great numbers of culls in comparison with the good stock cut. Not only roses but stock of almost all kinds fell off rapidly at the end of last week and there is very little in the way of good flowers in the market to do business with. The carnations that are arriving now are poor and small. Peonies are fairly good for so late in the season, some of the pink flowers especially so. Probably this week will see the end of the cold storage stock in most of the houses. In hardy flowers there is still plenty of variety. Gaillardias and tritomas are showy and help the window displays. Gladioli are arriving in large quantities. The best varieties of the America and similar types have a good demand and clean up regularly, but the outdoor stock, unless exceptionally good, hangs on hand. Sweet peas are poor and there is no demand, as retailers know they drop almost as soon as they are in the store. Asters are also poor as yet, but it is hoped the recent rains will help them. Those on light lands have suffered severely already, but those where the soil is

heavier are in a little better shape. There are some elegant eastern flowers of *Lilium rubrum* and other specimen forms in that help considerably with high-class funeral work which has been the only hope of the retailers of late. Feverfew, achillea, candytuft and other small flowers help out some, but the demand is not brisk. Lily of the valley is still good and there is plenty of it for all demands. The local supply of orchids is improving, but still falls short of the demand, and eastern stock is still sent in. Cattleyas appear to be about all that are grown locally and when retailers want white orchids, such as phalenopsis or *Dendrobium formosum*, they still have to depend upon the east. *Chrysanthemum Golden Glow* is seen, but there appears to be little demand for it. There has been quite a good call for water lilies and they have been very plentiful. Altogether the trade is healthy for this time of year, several wholesale houses reporting Saturday, Sunday and Monday as exceptionally good days for the season.

#### NOTES.

The Geo. Wittbold Co. reports a very busy season in outside work and the recent rain has greatly facilitated this. The year so far, according to Louis Wittbold, has been away ahead of last year in all respects, retail trade, landscape work and decorating. Already many good orders are booked for the Knights Templar conclave next month and fine stock is being prepared at the greenhouses to meet this.

C. Cramer, of the Cramer Floral Co., Salt Lake City, Utah, has been in town during the week. Although some growers are having fair success with roses in that locality, Mr. Cramer says they still have to draw on the east. He has nine houses of carnations which do well every year, the alkali in the water apparently not hurting them, but the roses are only a very partial success as yet.

John Zech, of Zech & Mann, took a couple of days off last week for fish-

ing, going down state to a point below Joliet on the Kankakee river. Albert Rott of Joliet and P. Peterson of the J. D. Thompson Carnation Co., were to have accompanied him, but both were forced to remain at home. Albert on account of a heavy lot of funeral work and Pete owing to a steam pump breaking down. However, Mr. Rott's assistant and the game warden of the district accompanied Mr. Zech and they had capital sport, 12 falling to John's rod. He is rather hazy in his replies when asked where he fished, and we believe wild horses could not drag from him the exact location.

In the earlier copies of the FLORIST last week, it was stated that L. A. Vaughan, of Vaughan & Sperry, had taken 58 bass the first day of his fishing trip. Everyone knows he is a modest man and when he turned up unexpectedly last week, it was reported that he came back to contradict this report and to put himself right in matters piscatorial among his friends. This we are assured was not the case and his return was for a totally different reason. The "intelligent comp" made it first 5, then 58, lastly 8, the correct score, which appeared in the later copies of the paper.

Vaughan & Sperry did a fine business on Saturday and Monday, quite exceptional for the season, and on the latter day were sold clean out. They are finding an excellent demand for the orchids shipped in from their new grower at Naperville. Some elegant gladioli have been showing here all the week, including fine America, also elegant peonies. Fred Sperry has been suffering from a severe cold but is sticking gamely to business in the absence of his partner. He will probably be ready for his vacation.

Fred Lautenschlager is never happier than when piloting a party of his out-of-town friends around, and he looked the part on Saturday when showing a number of vegetable growers from Indianapolis through the



# Summer Flowers

**New Beauties, Kaiserin, Rhea Reid, Pink Killarney, Maryland, White Killarney**

These are the best roses for hot weather. We devote a whole range of glass to their growth and our plants are two to five years old, giving big, strong flowers.

**Buy Direct of the Grower and Get Fresh Stock.**

## Bassett & Washburn

Store and Office: 76 Wabash Ave.,

**CHICAGO**

Greenhouses: HINSDALE, ILL.

# WE ARE THE BIGGEST

Rose growers in the world. But size is not everything, and in addition we aim to have the **FINEST STOCK**, the best of its kind. During **HOT WEATHER FLOWERS** require great care in handling, and our facilities at the greenhouses are second to none for properly **COOLING OFF** the stock before it is shipped to the store. From here it is sent direct to customers by the quickest and cheapest routes. **CAN YOU BEAT IT?**

### CURRENT PRICE LIST

| American Beauties, | Per doz.                 | Killarney, select           | Per 100        | Carnations          | Per 100             |
|--------------------|--------------------------|-----------------------------|----------------|---------------------|---------------------|
| Long stems         | \$3 00                   | medium                      | 4 00 to 5 00   | Valley              | \$1 00 to \$2 00    |
| 30-inch stems      | 2 50                     | Mrs. Marshall Field, select | \$6 00         | Easter Lilies       | per doz., 1 50      |
| 24-inch stems      | 2 00                     | medium                      | \$4 00 to 5 00 | Asparagus Plumosus, |                     |
| 20-inch stems      | 1 50                     | Bridesmaid                  | 4 00 to 5 00   | extra quality       | per bunch, 35 to 50 |
| 15-inch stems      | 1 25                     | Bride                       | 4 00 to 5 00   | Fancy Ferns         | per 1000, 1 50      |
| 12-inch stems      | 1 00                     | My Maryland, select         | 6 00           |                     |                     |
| Short stems        | \$4 00 to \$6 00 per 100 | medium                      | 4 00 to 5 00   |                     |                     |
| Richmond, select   | Per 100 \$6 00           | Chatenay                    | 5 00           |                     |                     |
| medium             | \$4 00 to 5 00           | Ivory                       | 5 00           |                     |                     |

**ROSES, our selection \$3.00 per 100**

## Peter Reinberg, 35 Randolph St., CHICAGO.

wholesale market. Fred Meyer, J. Hohlt and August Maschmeyer were of the party which was taking in the city enroute to the west coast for an extended holiday trip.

E. C. Amling is receiving large quantities of Liliun speciosum rubrum from the east which meet with great favor from the principal retailers. Business here has rallied considerably and on Saturday better prices and a heavy day were reported. Fine Killarney and White Killarney roses are also shown here.

Kennicott Bros. Co. is still handling good peonies, but the present week will probably see the end of them. Fine daisies, candytuft, achillea and tuberoses are also among the offerings. The trade here on Saturday last was the biggest ever handled by this firm on a Saturday in July.

Mrs. L. Natzke, wife of H. H. Natzke, 2336 West Nineteenth street, is going on a two weeks' vacation to her sister's summer home at Slocum's Lake, McHenry, taking her four young children with her.

The J. B. Deamud Co. has been showing fine chrysanthemums, Golden Glow, which move well, also elegant gladioli in variety.



## ORCHIDS

### A SPECIALTY.

Fancy stock for Weddings and all occasions. Also full line of all **Cut Flowers, Florists' Supplies, Greens, Wire Work, Etc.**

Send for Quotations.

### CHAS. W. McKELLAR

51 Wabash Avenue.  
**CHICAGO.**



# Everything in Season

We are now receiving regular shipments of home-grown Cattleyas of excellent quality.

All other Seasonable Stock at Chicago Market Prices.

## VAUGHAN & SPERRY

LONG DISTANCE PHONE  
CENTRAL 2571.

52-54 Wabash Ave., CHICAGO.

Stollery Bros., 3063 Southport avenue, have some fine gloxinias, one kind, Erecta Superba or English Prize Winner, carries 30 fine flowers. The flowers are of mixed colors, some are crimson, others are pure white, or are delicately spotted and pencilled internally. This is a ready seller and the prices range from 75 cents to \$2.50. The houses are filled with chrysanthemums, there being 10,000 in all. Monrovia planted early in May is in the best of condition and Col. Appleton is also worthy of mention. A bench of poinsettia cuttings was put in last Tuesday. Mr. Stollery planted these cuttings different from other years; first he put a layer of sand, then a layer of sphagnum moss and on top of this another layer of sand. The point of the cutting touched the moss and inside of two weeks 95 per cent of the cuttings had rooted. Other years they averaged about 50 per cent. King Humbert cannas are also doing their level best. A new conservatory is being built at 1046 Wilson avenue, where the store is located. Outside of the parks this will be one of the best conservatories in the city and will cost \$10,000 when completed. It is 35x40 x25 feet high. The walls are of brick, 12 feet high and are finished off with cement, representing white stone. The conservatory is built with a large dome, having two skylights in, valued at \$500 each. There will also be a fountain display that will have to be seen to give one an idea what it really is. Stollery Bros. have secured a 10-year lease of the premises and are more than pleased with their new surroundings. Fred has charge of the greenhouses and buying and George has charge of the store.

Canger & Gormley have had an unusually good demand for wedding decorations this year and the orders are still coming. They have a carte blanche order to go ahead and make a specially fine decoration for the wedding of Miss Kohlsaat, daughter of H. H. Kohlsaat, and Mr. Sheppard, of St. Paul, Minn., which is to take place July 27. An unusual feature will be that the couple will be married at the bride's home in a floral automobile backed with Asparagus plumosus. The mantels will be banked with Easter lilies and garlands of swainsona will be used to indicate the path of the bride to the altar. Orchids will be used in the table decorations and the bride will carry a bouquet of white orchids. Her one attendant will be her sister, who will carry pink sweet peas. A number of plants will be used in the home and the musicians will be screened from view by a bank of palms. In the store we noted some excellent Lilium rubrum and Easter lilies. Mr. Gormley has returned from his vacation looking well and reports a very good time visiting around the northern suburbs.

J. C. Craig, 175 Wabash avenue, was very busy the past week with funeral work. A cross, standing seven feet high, was delivered to 4348 Wilcox

avenue, where the funeral of the late J. McAuliff took place last week. The cross was made up of white roses, white carnations, lily of valley and sweet peas, American Beauties were used for the base. A number of designs were sent out to Austin, where the funeral of F. Lomax, the well-known mining man, took place last Saturday. Mr. Craig has been spending the summer at Hillside and will leave for the Pacific coast next week.

Wm. G. Kruetz, 1767 Cemetery drive, on July 1, sold his greenhouses to Fred Burmister, his son-in-law, for \$2,500. One store facing Cemetery drive, and another, Ravenswood park, and 15,000 feet of glass are on the premises. Mr. Kruetz had a lease on the place which was also turned over to Mr. Burmister. Business has been very good, he having cleaned out the entire stock of bedding plants. Mr. Kruetz and wife will leave in two weeks on a trip through the northwest.

F. G. Mueller, 329 E. Thirty-fifth street, has a fine window display of Boston ferns. Mirrors form the background, and when the lights are turned on in the evening the place seems fairly ablaze. Cut flowers are placed in the window in the evening, and these, in connection with the ferns, make a fine showing. Gas was formerly used for lighting purposes, but electric light has lately been substituted.

Mathias Mann, of Zech & Mann's greenhouses, 5504 N. Clark street, is busy throwing out the old stock of carnations and will start replanting on Monday. Mr. Mann has 25,000 plants and these are in fine condition. The range at Niles Center that was used for vegetables last year, will be used for carnations this year.

Alex Newitt, formerly of the J. B. Deamud Co., has been in the city this week. Mrs. Newitt and family are in Joliet with friends on a vacation. Mr. Newitt is now connected with the Stuppy Floral Co., St. Joseph, Mo., and Will Jones of the same company is also in the city.

Florist Knight Templars all over the country should keep Chicago in mind for the annual conclave August 8-13. Vaughan's Seed Store is inviting customers to make its Randolph street establishment florists' headquarters during the conclave.

Mrs. Minnie Russler, for many years in the florist business at Roseland, died on Sunday morning from cancer. July 21 is the date of the funeral and anyone wishing to send flowers should deliver them to 11217 Michigan avenue, Roseland.

Henry Hansen, 1742 Cemetery drive, has had some new benches installed in his houses. Everything is in first-class condition, the chrysanthemums being far advanced for the season.

The meeting of the Horticultural Society has been adjourned to August 2 at the Art Institute at 2 p. m.

Chas. Schlieff, 5657 E. Ravenswood park, is busy planting. Four benches of mushrooms will be put in, these

having proved a paying proposition during the past year.

August Lange, with Mrs. Lange and Master Lange, left for Omaha, July 18.

Fred Adolph, Rogers Park, has gone to Switzerland for three months.

### Chicago to Rochester.

The Chicago Florists' Club has arranged with the Lake Shore & Michigan Southern railroad for transportation to the Rochester convention as follows:

A special train will be provided, same to be counterpart of the Twentieth Century Limited and to consist of combination baggage and buffet car, one of the famous Lake Shore diners, as many as 12 sections and drawing room sleeping cars (compartment cars if desired) as may be required to properly take care of the party and give everyone plenty of room, the train to be finished off with either an open section or compartment observation end sleeping car. The train will leave Chicago at 5:30 p. m. Monday, August 15, arriving in Rochester at 9 a. m. Tuesday, August 16.

The rate authorized for this occasion is one and three-fifths fare on the certificate plan, \$13.38 going (passengers to be sure and ask for certificates in purchasing their tickets, for on same will depend their being able to secure the reduced rate returning) and three-fifths of that or \$8.10 returning, making a total of \$21.48 for the round trip. The Pullman rates are as follows: Double lower berth or upper berth, \$3; section, \$6; compartment, \$8.50; drawing room, \$11.

Delegates from St. Louis, Indianapolis, Louisville, Cincinnati, Columbus, etc., can join together and arrange for special sleepers to be attached to this special train at Cleveland, thus bringing all together at that point for the remainder of the journey, Cleveland to Rochester. As to the Detroit people, it would be a very easy matter for them to join the special train at Toledo. The St. Louis people could come via Chicago and join this special train if they so desired as the same rate would apply through Chicago as via the direct line.

G. K. Thompson, general agent passenger department, will accompany the party for the purpose of seeing that everything goes smoothly. For further information and reservations, address G. K. Thompson, 180 Clark street, corner Monroe (Telephone, Harrison 7600), or E. F. Winterson, 45 Wabash avenue (Telephone, Central 6004).

A cordial welcome is extended to any outside florists' clubs, who may wish to join the Chicago Florists' Club special train for the Rochester convention of the S. A. F. Those who wish to be requested to communicate with L. A. Winterson, secretary of the Chicago Florists' Club, 45 Wabash avenue, stating how many will join in order that proper accommodations may be provided.

(OTHER CHICAGO NOTES ON PAGE 1257.)



# Cut Flowers E. H. HUNT

FOR ALL OCCASIONS.  
FLORISTS' SUPPLIES TOO.

— SEND FOR PRICE LIST. —  
76 Wabash Avenue, CHICAGO

## KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

48-50 Wabash Ave., Chicago  
L. D. Phone, Central 466.

We will have anything in the line of  
**CUT FLOWERS and GREENS**  
that you may want if anybody has it, at  
Chicago market prices on day of shipment.

## A. L. Randall Co.

19-21 Randolph St.,  
CHICAGO.

L. D. Phone Central 1496. Private Exchange  
All Departments. If you do not receive our  
price list regularly send for it.

## J. B. DEAMUD CO.

Wholesale Cut Flowers

51 Wabash Ave., CHICAGO  
Long Distance Phone Central 3155.

Davenport, Ia.

Summer quietness and intense heat have been the rule for the past two weeks, and in consequence trade has been very quiet with very little doing outside of funeral work and very little of that; just enough to make one wish he didn't even have that, as all are more or less affected with that tired feeling that comes with the hot weather and nothing much to do. Roses are scarce and of poor quality. Carnations are in poor shape. Sweet peas are about done and gladioli are making their appearance. There are no outdoor flowers, owing to six weeks of drought with the glass at 90° every day during that period.

The sixth annual picnic of the Tri-City Florists' Club was held July 14, at Bettendorf and, in spite of the threatening weather, florists and their friends, to the number of 40, took advantage of the outing and all had a fine time. Many more would have been present if it had not been for the downpour that took place at about noon, when about three inches of rain fell within an hour, putting the picnic grounds in such a condition that the baseball game and other sports were declared off, much to the disappointment of the younger folks. Nevertheless, all were glad to see it, as rain was badly needed, this being the first to speak of for nearly six weeks. During the storm the picnic party enjoyed themselves playing pool and other games in the large hall, and many an old florist proved that the growing of flowers was not the only thing they could do well. Of course, the main thing at a picnic is the eatables and other refreshments. Dinner was serv-

## J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and  
Carnations  
A Specialty....

WHOLESALE  
GROWER of

## CUT FLOWERS

## E. C. AMLING

THE LARGEST,  
BEST EQUIPPED,  
MOST CENTRALLY LOCATED  
WHOLESALE  
CUT FLOWER HOUSE  
IN CHICAGO.

32, 34, 36 RANDOLPH STREET,  
CHICAGO.

L. D. Phone Central 1978 and 1977.

## Wholesale Flower Markets

| CHICAGO, July 20.                 |                  |         |
|-----------------------------------|------------------|---------|
| Roses, Beauty, extra select ..... | 3 00             |         |
| " " specials .....                | 2 50             |         |
| " " 36 in .....                   | 2 00             |         |
| " " 30 in .....                   | 1 50             |         |
| " " 18 in .....                   | 1 25             |         |
| " " 15 in .....                   | 1 00             |         |
| " " Short .....                   | 50¢              | Per 100 |
| " " Bride, Bridesmaid, select ..  | 3 00@ 6 00       |         |
| " " medium .....                  | 2 00@ 2 50       |         |
| " " Killarney, select .....       | 3 00@ 6 00       |         |
| " " medium and short .....        | 2 00@ 2 50       |         |
| " " Kaiserin .....                | 3 00@ 8 00       |         |
| " " Mrs. Jardine .....            | 3 00@ 6 00       |         |
| " " Chatenay .....                | 2 00@ 6 00       |         |
| " " My Maryland .....             | 2 00@ 6 00       |         |
| " " Perle .....                   | 2 00@ 6 00       |         |
| " " Richmond .....                | 3 00@ 6 00       |         |
| " " Uncle John .....              | 3 00@ 6 00       |         |
| " " White Killarney, select ..... | 4 00@ 6 00       |         |
| " " medium .....                  | 2 00@ 3 00       |         |
| Carnations, select fancy .....    | 1 50@ 2 00       |         |
| Cattleyas .....                   | 4 00@ 6 00       |         |
| Lilium Harrisii .....             | 2 00 8 00@ 10 00 |         |
| Lily of the Valley .....          | 2 00@ 4 00       |         |
| Mexican Ivy .....                 | 75¢ 1 00         |         |
| Peonies .....                     | 25¢ 50           |         |
| Sweet Peas .....                  | 50¢ 1 00         |         |
| Adiantum .....                    | 75¢ 1 50         |         |
| Asparagus Plum, strings, each ..  | 60¢ 75           |         |
| " " sprays .....                  | 3 00@ 4 00       |         |
| " " Sprengeri .....               | 3 00@ 4 00       |         |
| Ferns .....                       | 2 00             |         |
| Smilax .....                      | 1 50@ 2 00       |         |

ed in a large dining-room on the grounds and, as Uncle John says it was swell, it needs no further comment. Supper was also served at the same place. In the afternoon the party was shown through the large Bettendorf shops—the largest of their kind in the world—the manufacture of steel cars). This trip was very interesting, as the members of the party saw how steel is made and then worked into the finished article. One of the main buildings is 2,700 feet long and this will give an idea of the magnitude of the works. The regular monthly meeting was also held in the afternoon, but outside of routine business and the introducing of a new member, all else was laid over to the next regular meeting.

## WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given  
prompt attention.

51 Wabash Ave.. CHICAGO.



## HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 51 Wabash Avenue CHICAGO

## Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO

Telephone, Central 3284.

## Quality Counts..

Let us have your next order for

**Roses and Carnations**

and other Seasonable Flowers.

**JOHN KRUCHTEN,**

51 Wabash Ave.. CHICAGO.

W. P. KYLE

JOSEPH FOERSTER

## Kyle & Foerster,

WHOLESALE FLORISTS

51 Wabash Ave., CHICAGO.

Long Distance Phone, Randolph 3619.

## GEO. REINBERG,

Wholesale Grower of **Cut Flowers**

CHOICE AMERICAN BEAUTIES.

We will take care of your orders at reasonable prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

which will be held at the home of Ludwig Stapp, Rock Island, August 11.

T. E.



## American Beauties

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

## Rice Brothers

Wholesale Florists and Supplies,

115 N. 6th St., MINNEAPOLIS, MINN.

Cut Flowers received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities

## THE MUNK FLORAL CO.

Wholesale Growers of

CUT FLOWERS

Columbus, Ohio

## William Murphy,

Wholesale Commission

FLORIST

11 Main Street, CINCINNATI, OHIO.

Louisville.

The Louisville Trust Co. has charge of the selling of the Anchorage Rose Co. property and has put the place in care of F. Walker & Co. who have placed one of their men in charge of it.

A. Rasmussen has his new greenhouses all up and ready for the glass. He has invented a new gutter and is using it in his new houses. It allows the water to escape every eight feet.

Nelson Wooden, who was foreman for many years for John Bohman, has bought the Thompson greenhouses and is busy getting them in order for next winter.

The proprietor of the Idlewild Greenhouses was a recent visitor and had photographs of window displays that set the retailers here thinking.

Jacob Schulz has a window decoration showing a miniature lake, a stream of running water and old mill, a water wheel and real live little ducks.

The Anchorage Rose Co.'s property has not been disposed of. It was Geo. R. Thompson's place that Mr. Klein-starink bought.

This has been the rainiest season in this locality we have had since 1875. Rain, rain every day for the whole month.

Reynolds & Struck are building two houses, each 22x10 feet, and adding 40 feet to a greenhouse already built.

Mrs. Chas. Rayner and family left for Seattle, Wash., this week to join her husband.

W.

### Dust Prevention and Road Preservation.

Experiments were made during the summer of 1909 at Washington, D. C., Youngstown, O., and Ithaca, N. Y., with different preparations for the prevention of dust and the preservation of roads. At Washington, waste sulphite liquor was used on a macadam driveway subjected to light traffic. Sulphite liquor is a dense, sticky liquid produced in the manufacture of wood pulp. It was applied in mixtures with water in varying proportions. The results show that it has but little value as a permanent road treatment, but that in concentrated form it may be classed as a temporary or semi-perma-

## HOLTON & HUNKEL CO.

Wholesalers of Fresh Flowers

462 Milwaukee St., MILWAUKEE, WIS.

## Wholesale Flower Markets

| BOSTON, July 20.         |             | Per 100 |
|--------------------------|-------------|---------|
| Roses, Beauty, best      | 20 00@25 00 |         |
| " " medium               | 15 00@20 00 |         |
| " " culls                | 5 00@10 00  |         |
| " " Bride, Bridesmaid    | 1 00@4 00   |         |
| " " Extra                | 5 00@8 00   |         |
| " Killarney and Richmond | 1 00@6 00   |         |
| " My Maryland            | 1 00@8 00   |         |
| " Carnot                 | 2 00@12 00  |         |
| Carnations, select       | 75@1 00     |         |
| " fancy                  | 1 00@2 00   |         |
| Callas                   | 8 00@10 00  |         |
| Cattleyas                | 35 00@50 00 |         |
| Lilium Longiflorum       | 6 00@8 00   |         |
| Lily of the Valley       | 2 00@4 00   |         |
| Smilax                   | 12 00@16 00 |         |

| ST. LOUIS, July 20.       |             | Per 100 |
|---------------------------|-------------|---------|
| Roses, Beauty, long stems | 15 00@20 00 |         |
| " " medium stems          | 8 00@10 00  |         |
| " " short stems           | 2 00@4 00   |         |
| " " Bride, Bridesmaid     | 2 00@5 00   |         |
| " " Killarney             | 3 00@5 00   |         |
| " " My Maryland           | 3 00@5 00   |         |
| " " Richmond              | 3 00@6 00   |         |
| Carnations                | 1 00@1 50   |         |
| " fancy                   | 1 50        |         |
| Callas                    | 8 00@10 00  |         |
| Easter Lilies             | 6 00@1 00   |         |
| Sweet Peas                | 20@1 50     |         |
| Adiantum                  | 1 50        |         |
| Asparagus Sprengeri       | 2 00@3 00   |         |
| Smilax                    | 12 50@15 00 |         |

| CINCINNATI, July 20.              |             | Per 100 |
|-----------------------------------|-------------|---------|
| Roses, Beauty                     | 1 00@3 00   |         |
| " " Bride, Bridesmaid             | 2 00@6 00   |         |
| " " Golden Gate                   | 2 00@6 00   |         |
| " " Killarney                     | 2 00@6 00   |         |
| " " Richmond                      | 2 00@6 00   |         |
| Carnations                        | 1 00@2 00   |         |
| Callas                            | 10 00       |         |
| Daisies                           | 50          |         |
| Lilium Album and Rubrum, per doz. | 50          |         |
| Lilium Longiflorum                | 10 00@12 50 |         |
| Lily of the Valley                | 3 00@4 00   |         |
| Adiantum                          | 1 00@1 50   |         |
| Asparagus Sprengeri, per bch.     | 25          |         |
| Smilax                            | 12 50@15 00 |         |
| Gladioli                          | 3 00@4 00   |         |

| MILWAUKEE, July 20.        |           | Per 100 |
|----------------------------|-----------|---------|
| Roses, Beauty, per doz.    | 50@3 00   |         |
| " " Bride Bridesmaid       | 3 00@6 00 |         |
| " " Killarney              | 3 00@8 00 |         |
| " " Richmond               | 3 00@6 00 |         |
| Carnations                 | 1 00@3 00 |         |
| Lilium Giganteum, per doz. | 1 50      |         |
| Lily of the Valley         | 3 00@4 00 |         |
| Magnolia                   | 35        |         |
| Snappedragon               | 2 00@4 00 |         |
| Sweet Peas                 | 25@50     |         |
| Adiantum                   | 1 50      |         |
| Asparagus                  | 50@60     |         |
| " Plumosus, per bunch      | 35@50     |         |
| " Sprengeri                | 35        |         |
| Boxwood                    | 25        |         |
| Ferns, Fancy               | 1 50      |         |
| Galax                      | 1 50      |         |
| Smilax                     | 1 50      |         |

nent dust preventive and road binder.

At Youngstown, blast furnace slag was used alone and in different combinations with lime, sulphite liquor, and tar to determine the best method of utilizing slag for road construction. While sufficient time has not elapsed since these experiments were made to show definite and permanent results, it is believed that they will be valuable in determining what combinations will produce the best road.

## Asparagus Plumosus Nanus

Extra large, heavy strings 50c each.

W. H. Elliott, Brighton, Mass.

## J.M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES  
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Mention the American Florist when writing

## H. G. BERNING,

Wholesale Florist,

1402 Pine St. ST. LOUIS, MO.

## C. A. KUEHN

Wholesale Florist

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

## WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.  
Both L. D. Phones.

Supplies and Everything in Season always on hand

At Ithaca, tar, oil, artificial asphalt preparations, brick, cement, and slag were used with varying results. All of these experiments are fully described, with results produced in each case, and a report on experiments formerly made, in Circular 93 of the Office of Public Roads, Department of Agriculture, Washington, D. C.

ST. JOSEPH, MO.—J. Fred Terhune of Savannah was made defendant in the federal court, July 11, in an involuntary bankruptcy suit, filed by three creditors; the American Casket Co., claim \$400.98; Stuppy Floral Co., claim \$177.10; J. M. Hutton & Co., claim \$131.96. The petitioners allege that Terhune committed an act of bankruptcy April 10, when he transferred to the Bank of Savannah property worth about \$9,000. It is said that the bank had a claim for \$9,000 against Terhune.



# BRONZE GALAX

**\$1.00 per 1000**  
**\$7.50 per case**

An important item every retail florist uses. You will always find **OUR GALAX** the best in quality. Be convinced of the good value we can give you in **GALAX** by placing **YOUR NEXT ORDER WITH US.**

**THE LEO NIESSEN CO.,** Business Hours: 7 a. m. to 6 p. m. Wholesale Florists, 1209 Arch Street, Philadelphia, Pa.

# Ferns, \$1

Per 1000

The finest ferns ever shown on this market. Special rates on regular orders or contracts. Save 30 to 100% by buying your ferns from us.

**The McCallum Co. Inc.**  
**PITTSBURG, PA.**

## St. Louis.

### BUSINESS QUIET.

The weather continues very warm with frequent thunderstorms and showers. Business is very quiet and many are taking advantage of the dull time to take their vacations. As-ters are improving in quality but no first class stock has been seen here. Some good lilies are in. Roses are coming in small. Many carnations have a very sleepy appearance. Some well colored American Beauty roses arrived and are selling fairly well. Gladioli are plentiful and cheap, many taking advantage of this and stocking up their show windows with very pretty displays. Quite a few of the florists will give their employees a holiday next Thursday. Picnic day badges and invitations have been mailed to each and every florist so a good attendance is expected.

### FLORISTS' CLUB MEETING.

The Florists' Club met last Thursday afternoon; 30 members were present, with Geo. Windler in the chair. All the officers were present except John Connon, vice-president, he being in Canada with his wife, and Will Smith, treasurer, who was attending the Elks' convention at Detroit. A. J. Bentzen, president of the picnic committee, reported progress and that everything was in tiptop shape for the picnic. The bulletin committee, through C. E. De Wever, reported that at its committee meetings all members were in favor of the issue of the bulletin and after a thorough debate by the club it was put to a vote and decided to issue the bulletin and continue the same committee to issue it. The transportation committee of one, J. J. Beneke, had several men present at the meeting to explain rates and routes to the convention city, \$20.40 round trip to Buffalo and thence to Rochester \$1.25 return ticket. A communication was read from the St. Louis convention bureau asking the club to join with them in asking the S. A. F. to choose this city as its next meeting place in 1911. H. A. Ehrach was elected to membership and Ed. Kelley, of the Kelley Floral Co., was proposed as a member. This closed the business session of the club. The chairman then called on Luther Armstrong, who was the club's first secretary 23 years ago, being the only one left of the first organizers, the others having passed away and living only in glorious memory. His talk was what the club was organized for. It was first called the Florists' Exchange and was for buying and selling, but is now termed the St. Louis Florists' Club. The present talked of issue of the bulletin will carry out the first plan of the organizers of this club. After a vote of thanks was extended to the

## Wholesale Flower Markets

| PHILADELPHIA, July 20.     |             | Per 100 |
|----------------------------|-------------|---------|
| Roses, Beauty, extra.....  | 20 00@25 00 |         |
| "    first.....            | 10 00@15 00 |         |
| "    Brides and Maids..... | 4 00@6 00   |         |
| "    Tea.....              | 4 00@6 00   |         |
| "    extra.....            | 6 00@8 00   |         |
| Carnations.....            | 2 00@3 00   |         |
| Cattleyas.....             | 40 00@50 00 |         |
| Gladiolus.....             | 3 00@8 00   |         |
| Lilium Harrisii.....       | 8 00@10 00  |         |
| Lily of the Valley.....    | 4 00@5 00   |         |
| Snaptagons.....            | 4 00@8 00   |         |
| Sweet Peas.....            | 50@75       |         |
| Water Lilies.....          | 2 00@6 00   |         |
| Adiantum.....              | 75@1 00     |         |
| Asparagus..... per bunch   | 50          |         |
| Smilax.....                | 15 00@20 00 |         |

| PITTSBURG, July 20.            |             | Per 100 |
|--------------------------------|-------------|---------|
| Roses, Beauty, special.....    | 12 00@15 00 |         |
| "    extra.....                | 8 00@12 00  |         |
| "    No. 1.....                | 4 00@6 00   |         |
| "    Bride, Bridesmaid.....    | 1 00@4 00   |         |
| "    Chatenay.....             | 1 00@4 00   |         |
| "    Killarney.....            | 1 00@4 00   |         |
| "    My Maryland.....          | 1 00@4 00   |         |
| "    Richmond.....             | 1 00@4 00   |         |
| Carnations.....                | 1 00@2 00   |         |
| Asters.....                    | 1 00@2 00   |         |
| Gladioli.....                  | 4 00@8 00   |         |
| Lilium Longiflorum.....        | 6 00        |         |
| Lily of the Valley.....        | 3 00@4 00   |         |
| Pansies.....                   | 50@1 00     |         |
| Peonies.....                   | 3 00@6 00   |         |
| Primroses.....                 | 50@75       |         |
| Sweet Peas.....                | 25@50       |         |
| Adiantum.....                  | 1 50        |         |
| Asparagus Sprenger, per bunch, | 50          |         |
| strings... per string,         | 50          |         |
| "    sprays... per bunch,      | 50          |         |
| Smilax.....                    | 15 00       |         |

speaker he was elected honorary member of the club. The rest of the afternoon was spent in smoking good cigars and questions from the question box were discussed. The election of officers will take place August 11. The following gentlemen were nominated to office:

Geo. Windler, president;  
F. A. Weber, vice-president;  
J. J. Beneke, secretary;  
Will Smith, treasurer.  
E. W. Guy of Belleville, Ill., and A. G. Ahner of Kirkwood, Mo., were nominated 3-year term trustees.

### NOTES.

Alexander Geranios, for six years with F. H. Weber, will open up a fine store in the Metropolitan building, Grand avenue and Olive street. Mr. Geranios is a good designer and has had opportunities to show his skill during his stay with F. H. Weber as a decorator.

C. Young & Sons Co. met Wednesday at their store, 1406 Olive street, and the following were re-elected as officers: J. Young, president; Harry Young, vice-president; Will Young, secretary and manager; Chas. Young, treasurer.

A visit to Messrs. Seeger and Kingsley of the Mullanphy Flower Co. found

## Pittsburgh Cut Flower Company

WHOLESALE GROWERS

222 Oliver Ave., PITTSBURGH, PA.

**Asters, Gladioli, Beauties,  
Roses, Sweet Peas.**

All seasonable flowers.

**Pittsburg Florists' Exchange,**  
15 Diamond Square, PITTSBURGH, PA.

these boys very busy. They have not experienced much dull business and have a steady, regular trade.

Mr. Zimmer, at Biddle market, is still at the old stand. Others have come and gone but he is a fixture; he says, though trade is very slow just now.

Mrs. Geo. Angermueller is at North Pueblo, Colo. She will stay in the mountains a while and visit Denver.

The Ladies' home circle will meet at John Steidle's, Olivette, July 28, being entertained by Mrs. Steidle.

Mrs. Myers is still kept busy, although most of her customers are away.

Mrs. Stewart has closed her candy and flower stand at the Planter's hotel.

J. P. McPherson, of Litchfield, Ill., was a visitor here the past week.

H. G. Berning and wife are away, traveling in Mexico. W. F.

### St. Louis Horticultural Society.

The St. Louis Horticultural Society gives notice hereby that in addition to the regular lists of premiums offered for the fall show, which will be held in the Coliseum, November 8, 9, 10, 11 and 12, the following special prizes are offered for:

Best display of roses.....\$500  
Best display of chrysanthemums.. 500  
Best display of carnations..... 500

The addition of \$1,500 in prizes is made possible through the citizens' committee, who, under the leadership of Capt. Robt. McCulloch, are co-operating with the Horticultural Society and will give St. Louis one of the greatest flower shows ever held. All growers throughout the center states and the east are urged to stimulate the offering of prizes in such liberal quantity by prompt and liberal entry in the above classes. Prospective exhibitors will please apply for spaces required and further particulars to

OTTO G. KOENIG, Sec'y.



## New York.

## TRADE VERY DULL.

The business of the past week has been, if anything, poorer than the week previous, which was one of the worst ever experienced in the memory of some of the oldest florists. Roses are arriving in poor condition and although they are gradually thinning out they do not move any faster. Carnations are still very plentiful but of poor quality. The unusual spectacle was witnessed the other day of a dump cart backed up at the door of a certain wholesaler into which were being dumped thousands of unsalable stock, while the street urchins fought furiously with one another for the pick of it. Lilies are arriving in large quantities, and of fairly good quality, but are not bringing any price, some selling as low as \$1 per 100.

July 18.—A considerable thinning out of carnations, also roses, has been noticed today, with a slight increase in the demand and also in price. A few dahlias have arrived, but are in poor condition, owing to the extended drought. Orchids are rather scarce, good ones bringing as high as 75 cents each, while good lily of the valley is selling for three cents.

## NOTES.

Louis Rossow, with A. van Praag, 4 W. Fortieth street, has just returned from a trip to the Thousand Islands, where he has been spending his vacation with his oldest daughter and son, and reports fine pike, pickerel and bass fishing.

The Paterson Floral Co., which was burned out at 304 Main street in the fire of June 27, is now located at 227 Market street. The firm name has been changed to the Flower Shop, Stoutenborough & Smith, proprietors.

Geo. Saltford, the well known wholesaler, has removed from 43 W. Twenty-eighth street to more spacious quarters at 129 W. Twenty-eighth street, adding another to the list of wholesalers now west of Sixth avenue.

Cross & Brown Co. has leased for a term of years to the Boston Florist Co. the store and basement in the Knickerbocker Trust building, at the northwest corner of Fifth avenue and Thirty-fourth street.

We are glad to be able to announce that A. Warendorf, Broadway, who has been seriously ill for the past four months, has fully recovered and is now able to attend to business as usual.

Margaret Gruenig, at one time with A. Warendorf on Broadway but now with the Fleischman Floral Co., Chicago, has spent two weeks in the city and vicinity with old friends.

The Greek-American Florist Supply Co., Geo. Cotsonas & Co., proprietors, will open, about August 1, under the management of Andrew Cora, with a full line of florist supplies.

J. Fenrich and C. H. Totty have postponed their European trip indefinitely, owing to an accident to Mr. Totty while automobiling last month.

The Pennock-Meehan Co., Philadelphia, have leased a store in West Twenty-eighth street which it will occupy in the near future.

C. Hopkins, with A. J. Guttman, is spending a few days with his folks in Maine and is expected back at his desk about July 20.

M. C. Ford, W. Twenty-eighth street, has just had completed in his new store a fine new metal ceiling.

Arthur Hunt, with A. H. Langjahr, is spending his vacation in the mountains with his family.

## Glen Cove, N. Y.

The regular meeting of the Nassau County Horticultural Society was held at Pembroke hall, July 12. Two new members were elected and two applica-

tions received. It was sweet pea night and Messrs. Marshall, MacKenzie and Holloway acted as judges. For the best 24 varieties, G. Ashworth was first; best six varieties Spencer type, I. McDonald first; arranged for effect, G. Barton first, with a splendid basket arrangement around a cane with ferns greatly admired by everyone. A cultural certificate was awarded to Fr. Petroccia for celery and honorable mention for sweet peas. A silver cup was offered by Stumpp & Walter for our fall show. Mr. Farquhar of Boston will give us an illustrated lecture on "Gardens of Italy," at the next meeting, September 14. Our annual outing will take place at Oyster Bay on August 3, and we are promised a grand old time. Next meeting will be aster night and prizes will be given for best 12 white, 12 pink and 12 any color, also a special prize for best 24 white, given by M. Matz. O. E. A.

of checks in the past three weeks without any money to cash them and to have made several local men quite anxious for a time, among them two furniture men, a music dealer, a telephone manager, and several others. The police, almost to a man, and many others have been given flowers, and his gifts have gone likewise into several other directions without any apparent cause for giving them. The wife he married less than a month ago has left him. He secured her, it is claimed, through an advertisement, and married her in a few minutes after he secured the introduction. Referring to the above, W. R. Rieman writes, under date of July 18: "This man claims Augspurger, of Peoria, Ill., as an uncle and says he came from Little Rock, Ark., about a month ago. He is now 'non est,' and the express company reports goods sent C. O. D. have not been taken up and had to be returned."



OUTING OF THE GREEK-AMERICAN FLORISTS' ASSOCIATION, JULY 7.

The Greek Committee at the Dock.

## Vincennes, Ind.

Edward Schultz, who recently rented the greenhouse of T. C. Dunn, at the corner of Day and Eberwine avenues, and engaged in the business of a florist under the name of the Vincennes Floral Co., assaulted Mr. Dunn recently, knocking him down and giving him a black eye. Dunn filed charges the next morning and the police have been looking for Schultz ever since. Schultz has filed the same kind of charges against Dunn in the court of a local justice of the peace, where a plea of not guilty has been made.

Schultz is a peculiar character and has made enough history in the past two weeks to fill several newspaper columns. The trouble between him and Dunn was over the renting of the greenhouse. Schultz is alleged to have issued several hundred dollars worth

## As Others See Us.

The florists have a trade jargon of their own. When a man who grows flowers for a living rattles off some thing like "Paper Whites, valleys and Romans," the confused layman has to stop to think what the jumble of words means. It is only the trade way of saying Paper White narcissus, lily of the valley and Roman hyacinth. Likewise "mum" is their word for chrysanthemum, and time and space are likewise saved by saying "cyp" instead of cypripedium. So Bridesmaid roses are "maids," American Beauties are "beauties," Perle des Jardins becomes "perle" and is pronounced pearl, while Souvenir du President Carnot is reduced to its last word, just as those other illustrious French rose names, General Jacqueminot and Marechal Niel were shortened to "Jack" and "Niel" in the heyday of their glory.—New York Press.



# Young & Nugent,

Telephone 2065-2066 Madison Square.

42 West 28th Street,

To out-of-town florists

We are in the Heart of

And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

## New York

# Trade Directory

—OF THE—

UNITED STATES AND CANADA.

PRICE \$3.00, POSTPAID.

American Florist Co., 324 Dearborn St., Chicago

# Traendly & Schenck,

WHOLESALE FLORISTS,

131 & 133 WEST 28th ST  
Phones: 798 and 799.

NEW YORK

# Alexander J. Guttman, THE WHOLESALE FLORIST OF NEW YORK

34 WEST 28th STREET,

PHONES, 1664-1665 MADISON SQUARE

ENOUGH SAID.



Give us a  
Trial  
We can  
Please you.

Roses, Carnations and all kinds of  
Seasonable Flowers in Stock.

**WM. F. KASTING CO.** Wholesale  
Commission Florists.  
BUFFALO, N. Y.  
Florists' Supplies and Wire Designs.

Mention the American Florist when writing

# August Millang

WHOLESALE FLORIST

41 W. 28th St., NEW YORK

Mention the American Florist when writing

# N.Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.

Open for Cut Flower Sales at 6  
o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

**V. S. DORVAL, Secretary.**

Rochester, N. Y.

At the meeting of the Florists' Association, held in the association's club rooms in the Cutler building, July 11, plans for the convention of the Society of American Florists, to be held in this city August 16 to 19, inclusive, were discussed.

President F. W. Vick presided and Charles H. Vick, superintendent of the trade exhibition, reported that already practically all of the 40,000 feet of floor space had been assigned. W. H. Dildine proposed that the society divide the city into districts and offer prizes for the best kept lawns. The scheme has been tried with success in Toronto and other cities. Should it be decided to adopt the scheme the association will confer with the chamber of commerce as to details.

A committee composed of W. H. Dildine, chairman; R. G. Salter and A. R. Luetchford was appointed to investigate the possibilities of the plan. Mr. Luetchford, who leaves for Canada late this week, will confer with the mayor

# Wholesale Flower Markets

| NEW YORK, July 20.                  |             |
|-------------------------------------|-------------|
| Roses, Beauty, special.....         | 15 00@25 00 |
| " " extra and fancy.....            | 3 00@ 8 00  |
| " " No. 1 and No. 2.....            | 50@ 2 00    |
| " " Bride, Bridesmaid, special..... | 2 00@ 5 00  |
| " " extra and fancy.....            | 50@ 1 00    |
| " " Killarney, special.....         | 2 00@ 3 00  |
| " " extra and fancy.....            | 75@ 1 00    |
| " " No. 1 and No. 2.....            | 25@ 50      |
| Carnations.....                     | 25@ 1 00    |
| Cattleyas.....                      | 25 00@50 00 |
| Gladiolus.....                      | 2 00@ 4 00  |
| Lilium Longiflorum.....             | 1 00@ 2 00  |
| Lily of the Valley.....             | 1 00@ 2 50  |

| BUFFALO, July 20.                |             |
|----------------------------------|-------------|
| Roses, Beauty, special.....      | 20 00@25 00 |
| " " fancy.....                   | 15 00@20 00 |
| " " extra.....                   | 10 00@15 00 |
| " " No. 1.....                   | 7 00@10 00  |
| " " No. 2.....                   | 2 00@ 4 00  |
| " " Bride, Maid, Killarney.....  | 2 00@ 6 00  |
| " " Kaiserin.....                | 4 00@ 7 00  |
| " " Pres. Carnot.....            | 4 00@ 7 00  |
| Carnations.....                  | 75@ 2 00    |
| Daisies.....                     | 50@ 1 00    |
| Gladioli.....                    | 3 00@ 4 00  |
| Lilium Longiflorum.....          | 8 00@12 00  |
| Lily of the Valley.....          | 3 00@ 4 00  |
| Sweet Peas..... per bunch, 3c@5c |             |
| Adiantum Croweanum.....          | 1 25@ 1 50  |
| Asparagus Str.....               | 50@ 60      |
| Ferns..... per 1000, \$1 50      |             |
| Galax, green and bronze.....     | 1 50        |
| Smilax.....                      | 15 00       |

# ALFRED H. LANGJAHR

WHOLESALE FLORIST,

55 W. 28th Street, NEW YORK.

All flowers in season. Consignments of first-class stock solicited.

Phones 4626 and 4627 Madison Square.

# Gretsch & Ordenez Bros.

WHOLESALE FLORISTS

52 W. 28th St.,  
Telephone 3357 Mad. Sq. New York City

High Grade Orchids always on hand. We have room for good growers. Prompt and full returns

of Toronto regarding the work accomplished in that city. The committee will report at the August meeting of the association.

Sugar-Beet Growing in England,

Consul Albert Halstead writes from Birmingham that serious consideration is still being given in the English midlands to the proposition for growing sugar beets and establishing a factory. A meeting was held recently at Droitwich to this end. Some Dutch manufacturers have been contracting with farmers in eastern England to supply beets for sugar mills in Holland.

# Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756  
Madison Square. NEW YORK.

Mention the American Florist when writing

# HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty. Roses,  
Violets, Carnations, Valley, Lilies, Etc.

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Telephones: 2200 and 2201 Madison Square

Mention the American Florist when writing

# Walter F. Sheridan

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

131 & 133 West 28th St., NEW YORK.

# KESSLER BROS.,

450 Sixth Ave., NEW YORK  
CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere.  
Prompt and satisfactory. Consignments solicited.

# M. C. FORD

Successor to FORD BROS.

Receivers and Shippers of **FRESH FLOWERS.**

121 West 28th St., NEW YORK.

Telephone 3870-3871 Madison Square

—FLOWERS SHIPPED BY—

# P. J. SMITH,

Are the best product of the best growers  
for the New York market.

Adiantum Croweanum sold here exclusively.

49 West 28th St., NEW YORK

Telephone 1998 Madison Square.



**George Cotsonas & Co.**Wholesale and Retail Dealers  
in all kinds of**Evergreens**Fancy and Dagger  
Ferns, Bronze and  
Green Galax, Holly,  
Leucothoe Sprays,  
Princess Pine, Etc.We ship to all parts of United States and Canada  
127 W. 28th St., bet. 6th & 7th Aves., New York  
Telephone 1202 Madison Square.

Perpetuated and Natural Sheet

**MOSSSES**New Crop Ferns, Fancy and Daggers  
NOW READY, Price \$1.25 per 1000.

E. A. BEAVEN, Evergreen, Ala.

We Issue to Members a

**CREDIT LIST**With Quarterly Supplements. The list now contains between 7,000 and 8,000 names. Membership fee, \$10.00 including privilege of obtaining unlimited number of commercial ratings at cost.  
We also collect accounts at standard rates.

National Florists' Board of Trade, 56 Pine St. NEW YORK

Baltimore.

SUMMER QUIETNESS.

The severe drought has been broken and there is a let-up of the tropical spell which has brought discomfort, sickness and death to many. We have had fine showers and the withered crops already begin to show growing powers, the water courses which were being depleted to increase in volume, and humanity to put on more cheerful looks. We seem to be in the center of trade's summer stagnation. Some of the up-town stores are closing doors for a recess, and with all the working hours are reduced. The supplies of cut flowers are less in quantity and inferior in quality, as is natural, but the supply quite equals the requirements of business, which, as usual, is limited to funeral work.

## NOTES.

The Sun had in its pages a few days ago a reproduction of a photograph of what it styled a "landmark" of the city, its oldest existing greenhouse, that of C. A. Fox, on the corner of Bolton and Dolphin streets, which, it stated, was quite 50 years old. The old buildings, which include a residence as well as the greenhouse, are about to be razed and modern structures erected in their place. It is quite certain that the greenhouse is as old as the Sun says. It happens that your correspondent lived a good many years ago on Linden avenue and some of his windows looked on this structure, and Mr. Fox (who, we believe, still lives at a ripe old age) was occasionally engaged to do work in his garden; following the custom of that day. The structure was of the type which has become obsolete, narrow glass, flat roofed, and heated by the old-time brick flue. But the point of interest is, that greenhouses are not so transitory as they are computed. It has become the custom, we believe, to assume that the life of the material of a greenhouse is about 10 years. (This not, of course, the modern structures of cement, iron and cypress, which it is claimed are practically indestructible.) Yet here is a house, certainly near 60 years old, which is still standing—even if not very erect—and after much patching. So, also, some years ago your correspondent bought from a private place the material in a large greenhouse which was constructed during the civil war. When the carpenters began to work it up for the purpose it was destined for, they de-



FANCY.



DAGGER.

**Henry M. Robinson & Co.**

Wholesale Commission Florists.

Cut Flowers of all kinds, Hardy Cut Evergreens and Florists' Supplies.

Dagger and Fancy Ferns, \$1 per 1000

Bronze and Green Galax .....\$1.00 per 1000; 8.50 per 10 000

Leucothoe Sprays .....\$1.00 per 100; \$7.50 per 1000

Southern Wild Smilax, Branch Laurel, Laurel Festooning,  
Green and Sphagnum Moss, Boxwood Sprays,

A large stock constantly on hand. Can fill orders at a moment's notice. Telephone or telegraph.

Telephones: 2617-2618 Main; Fort Hill 25290.

15 Province Street and 9 Chapman Place,

**BOSTON, MASS.****FANCY FERNS, \$1.25 per 1000**

New Crop Galax, Bronze or Green.....\$1.25 per 1000; 10,000, \$7.50

Sphagnum Moss, large bales.....\$1.25; 6 bales, \$7.00. Extra fine

Leucothoe Sprays, Green and Bronze.....\$1.00 per 100; \$7.50 per 1000

Boxwood.....per bunch, 35c; 50-pound case \$8.50

Log Moss, in barrels for hanging baskets.....\$2.00 per barrel

Florists in the Middle and Western States can save money  
by placing their orders with us. A trial order solicited.**MICHIGAN CUT FLOWER EXCHANGE, Inc**

Wholesale Commission Florists and Florists' Supplies,

38-40 Broadway,

All phone connections.

DETROIT, MICH.

**New Crop Ferns**FANCY and DAGGER ready May 1st.  
Special price for large orders  
Price \$1.25 per 1000.**CALDWELL THE WOODSMAN CO.,**  
Evergreen, Alabama

the lordly Chesapeake. The launch was small, the wind was not too gentle, and the waves were choppy. Soon one of the company was observed to have a pallor quite unsuited to the bronzed greenhouse worker and to be manifestly very ill at ease. The commander shouted to him, "Mack, let it go, you'll be the better for it—but look out for your teeth!" The advice was promptly taken, but its recipient, turning his agonized look on the captain, rejoined, "By heaven, they're gone!"—and so they were, in 40 fathoms of water.

The Home Garden Committee of the Municipal Art Society has begun its examination of the window boxes offered for the contest for beauty and good culture. The boxes are very numerous and are scattered over the whole city, and will be judged with much detail and system. The backyard gardens will be judged in October. The entries in this class, naturally, are hardly so numerous, but a good deal of interest is shown, and the result cannot but be felt in the adornment of homes and in the stimulus to the trade.

S. B.

PHILADELPHIA, PA.—J. W. Colflesh, Woodlawn avenue and W. Fifty-third street, will rebuild his greenhouses.

NEWARK, N. J.—The Greenhouse Construction Co., Inc., having its registered office at 143 Nelson street, Bloomfield, filed articles of incorporation on July 15. The authorized capital is \$125,000, of which \$1,000 is paid up. The incorporators are: E. J. Forhan, G. F. Martin and H. P. Jones, all of New York.

FAIRPORT, N. Y.—The Floral Society has announced its sixth annual carnival and flower show to be held in the First Methodist church, August 25-26. More than 100 premiums are to be distributed to the winners in the four sections, which are: Professional, amateurs, parade and fancy work. Entertainments are to be given both evenings of the carnival.

clared that, after its 40 years' use, there was no lumber yard in our city which could duplicate the lumber. It was of white pine, clear, straight, without knot or sap, and having been kept well painted, was untouched by decay. The construction of that day was, of course, more like bridge building than the light and airy system of the present day. So, too, some sashes, three by nine feet, bought from the late James Pentland some 15 years ago and which had been used by him for over 40 years, discarded, re-used, again set aside, and finally sold to the present owner for a trifle, are still occupying a place on the north roof of a greenhouse (not a very light one, true) but apparently as good as some other sash not 10 years in commission. The old adage was "there's nothing like leather," but it would seem that for wear and resistance there's nothing like the old-time white pine, which has practically disappeared from the surface of the earth.

The street cleaning department of the city has been using a weed-killer, which in efficiency and promptness is all that can be expected, as is claimed, though the owner of a flock of ducks which were allowed to run at large and forage in the gutters of a certain section, thinks it is too "killing," since every duckling who came in contact with the mixture was destroyed, to the indignation of the owner, who claims so dangerous a mixture should not be used. The liquid is described as a mixture of bicarbonate of soda and arsenic. A 20 per cent solution of the two chemicals is diluted with 40 times its bulk of water, and the weeds to be killed are sprayed with the mixture. If the weeds are very high, they are mown down first. The liquid is applied over the ground and the roots are destroyed. The street cleaning people say without such a composition it would be impossible, except at great expense, to remove weeds from the streets, and that, as it is only used in solution, there is no danger of humans getting any of it. Of course, chickens or ducks roaming at large might drink some of the water leaking from the street sprinklers. The health department comes to the conclusion, therefore, that the mixture may be continued in use. If its composition is given right, it may be worth knowing.

Some of the members of our craft (and of the bowling team) went out last Sunday on a launch voyage on



## DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.

**Wittbold**  
**FLORIST**

739 Buckingham Place,  
L. D. Phone 558 Lake View.  
Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Cincinnati, O.

**JULIUS BAER,**

138-140 E. Fourth St.  
Long Distance Phone.

San Francisco, Calif.

**J. B. BOLAND**

Successor to Sievers & Boland  
**FLORIST**

60 KEARNEY STREET.

Kalamazoo and  
Battle Creek, Mich.

**H. A. FISHER CO.**

Wholesale and Retail Florists.

We Handle Everything in Season.

Milwaukee, Wis.

**C. C. Pollworth Co.**

Will take proper  
care of your orders in **Wisconsin.**

Buffalo, Niagara Falls, Lockport.

**S. A. Anderson,**

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled  
promptly with the choicest stock.

Atlanta, Ga.

Business has been very good the past week in all the stores. Everything was cleaned up by Saturday for the funeral of Col. Draper, a well-known business man of this city. The rain of the past two weeks has ruined nearly all outdoor flowers. West View and Atlanta Floral Co. had a big week of out-of-town shipping. The Dahl Floral Co. had a big society wedding at Washington last Thursday. With Hollinsworth and Nunally business is very good. Nunally has opened a beautiful store and has an elegant display window, making three in all.

Why have we not got a florists' and gardeners' club like other cities? We are ahead of other southern cities in other lines, why not in the flower business? Will somebody start?

Visitors: J. J. Goudy of Dreer's and B. Eschner of M. Rice & Co., Philadelphia.

G. L.

Washington,

D. C.

14th and H Streets.

Also

1601 Eulaw Place,

Baltimore, Md.

J. DAN BLACKSTONE

**Alexander McConnell,**

571 Fifth Ave., Windsor Arcade,

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL  
Western Union Code.



FROM NEW YORK EXCEPT AS NOTED.

July 28.

Kronprinz Wilhelm, No. Ger. Lloyd, 10 a. m.,  
Hoboken Pier.

July 27.

Campania, Cunard, 9 a. m., Piers 54 and 56,  
North River.  
Adriatic, White Star, 9:30 a. m., Piers 60 and  
61, North River.

July 28.

La Savoie, French, 10 a. m., Pier 42, North  
River.  
Friedrich der Grosse, No. Ger. Lloyd, 10 a. m.,  
Hoboken Pier.

July 29.

FROM MONTREAL, Corsican, Allan, 6 a. m.  
FROM QUEBEC, Empress of Britain, Can-  
Pacific, 3:30 p. m.

July 30.

Caledonia, Anchor, 12 noon, Pier 64, North  
River.  
Philadelphia, American, 10 a. m., Pier 62, North  
River.  
Finland, Red Star, 11 a. m., Pier 59, North  
River.  
Arabic, White Star, 12 noon, Piers 60 and 61,  
North River.

Roma, Fabre, 1 p. m., Amity Dock.  
FROM MONTREAL, Sicilian, Allan, Daylight.  
FROM MONTREAL, Ionian, Allan.

FROM MONTREAL, Dominion, White Star-  
Dom, Daylight.

FROM BALTIMORE, Main, No. Ger. Lloyd, 2  
p. m., Pier 9, Locust Point.

Brooklyn, New York.

**“WILSON”**

3 and 5 Greene Ave. and 339 to 347 Greene Ave  
Greenhouses: Short Hills, N. J.

— Deliveries in —

NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

Indianapolis, Ind.

**Bertermann Bros. Co.**

**FLORISTS**

.....241 Massachusetts Ave.

Mention the American Florist when writing



WASHINGTON

D. C.

**Gude's**

Mention the American Florist when writing

Omaha, Neb.

**Hess & Swoboda**

**FLORISTS.**

1415 Farnum St.

TELEPHONES 1501 and L 1583

Mention the American Florist when writing

Denver, Colo.

**The Park**  
**...Floral Co.**

J. A. VALENTINE, President.

Washington, D. C.

**Geo. C. Shaffer,**

== FLORIST ==

Phone 2416 Main

14th &amp; Eye Sts., N. W.

Write, Telegraph or Telephone.

New York.

**MYER, FLORIST,** 609-611 Madison Ave.  
Phone 5297 Plaza.

ATCHISON, KANS.—H. E. Mitting is  
building a new greenhouse.

SOMERVILLE, N. J.—A slight fire oc-  
curred in Henry Wincosky's store,  
July 6, but little damage was done.



# DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Kansas City, Mo.

Geo. M. Kellogg Flower and Plant Co.,  
906 GRAND AVE.

KANSAS CITY and PLEASANT HILL, MO.  
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

Mention the American Florist when writing

Washington, D. C.

**GEO. H. COOKE**  
FLORIST

Connecticut Avenue and L Street.

Terre Haute, Ind.

**John G. Heint & Son,**  
129 South Seventh St.  
Telephone 247.

We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

Pittsburg, Pa.

**A. W. SMITH CO.**

KEENAN BLDG.

Largest Floral Establishment in America  
Established 1874. Incorporated 1909.

Rochester, N. Y.

**J. B. KELLER SONS,**  
FLORISTS.

25 Clinton Avenue, N.

Rochester Phone 506. Long Dis. Bell Phone 2188

St. Paul, Minn.

**L. L. MAY & CO.**

Order your flowers for delivery  
in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

**DANIELS & FISHER**

Order by mail, telephone, telegraph or  
cable. Cable address "Daniels, Denver"

Atlanta, Ga.

**Atlanta Floral Co.**

41 Peachtree Street.

Anderson, S. C.

**THE ANDERSON FLORAL CO.**

533 MARSHALL AVE.

MICHIGAN.

Orders will be carefully  
cared for by

**HENRY SMITH,**

Wholesale and Retail Florist of GRAND RAPIDS

New York.

Established 1874.

**DARDS**

N. E. Corner 44th St.  
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

The Newest Fertilizer.

Consul Henry B. Miller, of Belfast, quotes from an Irish journal an account of a process invented by a Dublin man for purifying the waste products of creameries and making them, instead of a nuisance, a source of profit:

"In rural Ireland one of the chief difficulties of the creamery system has been to get rid of the waste milk or 'wash.' Many methods which have been tried to get rid of this 'wash' have proved unsuccessful. A method which seems decidedly promising has, however, been discovered; one, moreover, which not only removes the waste, with all its attendant disadvantages, but apparently transforms it into a valuable fertilizer, thus conferring a double advantage. The efficiency of the method, in addition, is only equaled by its simplicity.

"On a barn floor is placed a heap of phosphate of lime coarsely ground; this heap is hollowed out as a mason would arrange his heap of sand when preparing to make mortar, and into the hollow is tipped the wash from the creamery. A shovelful of yeast is added, and after a few days the whole material is mixed and turned as in the making of mortar. The amount of wash available from the creamery at Ballyduff, where an experiment was made, was close on 100 gallons per day, and at the time of our visit the result was a grayish mass of damp material not unlike superphosphate in appearance. The effluent is neutral, and it might in all probability be safely run into a stream without causing any pollution. So far as could be seen the question of the removal of a nuisance had been solved, for here there was no nuisance of any kind. Of course, in active constant work at the creamery the process would be carried on in a proper system of filter beds.

"The question next arises as to what value the material possesses as a fertilizer. A sample of the damp material, on analysis by Sir Charles Cameron at the Dublin city laboratory, gave the following result:

|                         | Calculated     |           |
|-------------------------|----------------|-----------|
|                         | Per to         |           |
|                         | cent. dryness. | Per cent. |
| Moisture .....          | 27.00          | .....     |
| Total phosphates.....   | 52.78          | 72.30     |
| Phosphates soluble in 2 |                |           |
| per cent citric acid..  | 28.35          | 38.83     |
| Nitrogen .....          | 1.05           | 1.43      |
| Equal to ammonia....    | 1.27           | 1.74      |

"It will be seen that this result approximates somewhat to bone flour, the nitrogen being evidently derived from the milk. It worked out at the unit prices of \$13.40 for nitrogen, 43 cents for citric soluble phosphates, and 36 cents for insoluble phosphates, with

Cleveland, O.

**The Cleveland Cut Flower Co.**

Will fill your orders for designs and cut flowers in  
**NORTHERN OHIO.**

Mention the American Florist when writing

Dayton, O.

**Matthews,**

—FLORIST—

16 W. 3rd Street.

Flowers in any arrangement for all occasions,  
for Dayton and vicinity. Long dis. Phones

St. Paul, Minn.

**HOLM & OLSON,**  
**ST. PAUL**

The Leading Florists of the Northwest

Orders will be well cared for anywhere in  
MINNESOTA AND THE DAKOTAS.

Los Angeles, Calif.

**J. W. Wolfskill,**  
FLORIST,

Telegraph Orders  
A Specialty,

218 W. 4th St.

Toronto, Can.

Canada's best known and most reliable florist

Only  
the  
Best  
**Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee  
safe arrival.

Pittsburg, Pa.

H. L. BLIND & BROS.,

Two Stores: Liberty Av. & 5th St., 5424 Center Av.  
Greenhouses: West View.

\$2.43 per ton for mixing. The value would be about \$26.76 per ton; but as the raw phosphate only would require to be conveyed to the creamery, a further saving in carriage and cartage of about \$2.43 per ton might be effected, and there would also be some saving in the cost of bags, as the raw phosphate would not damage these, and they could thus be saved over again. Hence, on paper at least, the material seems promising, and the only link required to complete the chain is a practical test in the field. This, however, has been arranged, and the progressive agricultural school of Trinity College, presided over by Prof. W. A. Barnes, Westland, Kells, who is a thoroughly practical farmer, has undertaken out-field tests with the material on the college farm at Westland. Here is a material which, from its analysis, should form a suitable fertilizer for turnips and which is capable of returning to the soil the phosphate of lime already removed in the milk, while at the same time the process of its manufacture transforms an evil-smelling, injurious waste product into something innocuous and possibly valuable.



# DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Kansas City, Mo.

**WILLIAM L. ROCK,**  
Flower Co.,

Will carefully execute orders for  
Kansas City and any town in  
Missouri, Kansas or Oklahoma.

St. Louis, Mo.

Write, Wire or Phone Your Orders to

**YOUNGS**

1406 Olive Street,

Regular discount allowed on all orders, either  
Plants or Cut Flowers.

Phones Bell, Main 2306; Kinloch Central 4981

New York.

Established 1849

**David Clarke's Sons**

FLORAL DECORATORS

2139-2141 Broadway

Telephones: 1552-1553 Columbus. Choice Cut Flowers

Lansing, Mich.

**Gurdon B. Smith**

Covers all Points in Michigan. Best of  
Shipping Facilities in all Directions.  
Always has the best of Everything.

Kansas City, Mo.

**Samuel Murray**

913 Grand Ave.

All Orders Given Prompt and Careful Attention

Salt Lake City.

The usual summer quietness prevails in this vicinity at present with just about enough funeral work to meet expenses. On account of the severe drought all flowers are scarce and of poor quality in this market. Sweet peas are the poorest that have been seen here for a number of years. All outdoor stock is badly infested with red spider, thrips and aphids, which thrive in the absence of rain. Vegetables are nearly destroyed by the green aphid. Nearly every grower here and at Ogden is putting one or more houses in roses this season, something unusual for Utah, as it has been the opinion of most growers that roses could not be grown in this vicinity. It has been proven that roses can be grown here as well as elsewhere and now we all want a slice of the pie. From present indications we will not have to ship in flowers from outside states much longer as there has been a lot of new glass put up in this vicinity this season.

D. E. Law, who recently sold his interest in the Salt Lake Floral Co., will erect a new and modern range of greenhouses in the near future.

The Miller Floral Co. is planning to make a large addition to its place.

UNITA.

Detroit, Mich.

**John Breitmeyer's Sons**

Corner Miami and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

To Be Done Now.

IN THE GREENHOUSES.

Close stopping of fruiting cucumbers is necessary or a lot of useless wood and foliage will be made. Young plants, of course, will need more freedom.

Keep seedling stock of primulas, cinerarias and calceolarias as cool as possible in the frames or houses, shade lightly and allow abundance of air.

A coat of paint inside the greenhouses not only improves their appearance but destroys hundreds of insect eggs and fungus spores.

Spraying with nicotine in bright weather and sprinkling with tobacco powder when dull are the readiest methods of destroying black fly in chrysanthemums.

Make a couple of sowings of pansies in a frame or on a bench for winter flowering. Purchase the best seed of varieties suitable for cutting.

Remove the flower buds that appear on young carnation plants on the benches and attend regularly to the stopping of the shoots.

Allow fuchsias to flower now and feed the roots a little when potbound. The fuchsia is not, however, a very gross feeding subject.

OUTDOORS.

Asters should be copiously watered in the evening during this hot weather or the flowers will be poor.

There is no other manure so cooling and yet so effective in hot, dry soils as cow manure, and this should be used as far as possible.

Thin the growths on the dahlias. One or two good strong shoots will throw more flowers and better than a score of crowded ones.

See that all empty flower pots are gathered up, cleaned and put away ready for use when wanted, not left laying around to get broken.

Pots and boxes of stevia should be moved around occasionally to prevent rooting through too much, also any chrysanthemums or other strong rooting subjects.

Clean up the weeds and rubbish outside the houses and there will be less insects inside.

Avoid breaking or treading on the vines when gathering cucumbers or melons.

Budded rose standards should be allowed to grow at will in order to keep the buds of the rose dormant.

Thin the early endives and keep the cultivation going between the rows.

A good mulch of manure now will be of great assistance to newly planted rhubarb and asparagus.

Clean up and repair all empty flats as they will soon be needed for geranium cuttings, bulbs and other purposes.

Montreal.

**McKenna**

All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand. Mention the American Florist when writing

Albany, N. Y.

**EYRES,**

Flowers or Design Work.

Delivered in Albany and Vicinity on  
Telegraphic Order.

11 NORTH PEARL STREET.

Mention the American Florist when writing

Boston, Mass.

Send flower orders for delivery in

**Boston and all  
New England Points**

To THOS. F. GALVIN, Inc.,  
124 TREMONT ST.

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

**CLEVELAND, O.**

We Cover All Points in Ohio.

Mention the American Florist when writing

Buffalo, N. Y.

**Palmer's** Flowers  
"Quality"  
W. J. Palmer & Son.  
304 Main St.

Mention the American Florist when writing

Louisville, Ky.

**JACOB SCHULZ,**

550 So. Fourth Avenue.

Colorado Springs, Colo.

**FRANK F. CRUMP,**

Wholesale and Retail Florist.

St. Louis Notes.

A. W. Murray, who has had a busy season, stated he can take a buggy ride in the park once in a while with his wife now that the heated term has driven most of his customers away to the seaside resorts.

It was reported that Vincent Gorly, while bathing at Detroit, during his visit at the Elks' convention, was robbed of his clothes and had to escape in a barrel.

Ostertag Bros. are always busy. Last week large orders from outside were received for funeral work.

W. F.



## The Seed Trade.

### American Seed Trade Association.

E. L. Page, Greene, N.Y., President; L. H. Vaughan, Chicago, First Vice-President; M. H. Duryea, New York, Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

PEA growers talk about an average yield as low as three fold on this season's crop.

IN 2010.—Braslan seeded Europe 100 years ago, according to the daily press of that period.

H. A. JOHNS, of Sioux City, Ia., reports the pea crop in Alpena district about 50 per cent of an average one.

CHICAGO.—Prices on the board of trade July 20 for grass seed were noted as follows: Timothy, \$5 to \$6 per 100 pounds.

SOME of the inspectors from the Department of Agriculture report more favorably on the pea crops than do the growers themselves.

TUBEROSE crop reports from the growing districts are on the whole favorable, good rains having helped the crop, which needs cultivation.

HOUSTON, TEX.—The Texas Seed and Floral Co., of Dallas, will erect a \$75,000 four-story brick building, at Hawkins street and Pacific avenue.

MAJOR BRASLAN returned from Europe on the S. S. Kronprinzessin Cecile with Wm. Ellis Corey, John W. Gates, Martin Beck, head of the Orpheum circuit, Elbert Hubbard and others of lesser note.

VISITED CHICAGO: Chas. P. Braslan, San Jose, Calif., returning from Europe; Jesse E. Northrup, Minneapolis, Minn.; C. W. Scott, New York; A. J. Brown, Grand Rapids, Mich.; S. Y. Haynes, and H. W. Buckbee, Rockford; F. C. Sloan, Palo Alto, Calif.; H. A. Johns, Sioux City, Ia.; J. C. Robinson, Waterloo, Neb.

### Connecticut Seed Crops.

Milford, Conn., July 18.—Seed crops here are looking as well as might be expected, having just been refreshed by a very nice rain. The drought which had continued for about four weeks was becoming very dangerous, especially affecting corn, beet and onion. Sweet corn still needs to make very rapid growth if it is to mature properly before frost.

EVERETT B. CLARK SEED CO.

### Nebraska Seed Crops.

Waterloo, July 16.—Both sweet and field corn crops will average up well at present, although from 10 days to two weeks later than usual. The general stand of field corn is very good, with sweet corn about two-third stand as an average. Corn is so deeply rooted that it has withstood dry weather in some sections remarkably well, but has now reached a stage of growth when the plant requires considerable moisture, so that ultimate results will depend entirely upon seasonable weather.

With vine seeds the situation is somewhat mixed. In sections where rains have been general crops are excellent, and in other less favored localities crops are not so good, while at a few points they are almost failures, caused by dry weather. It is reasonably safe at present to report cucumbers fair to good; muskmelons will average around half a crop; watermelons prospects poor, but rains may improve conditions; winter varieties of squash only moderate, summer varieties generally good and pumpkin crops promise fair.

J. C. ROBINSON SEED CO.

Fremont, July 15.—According to last reports received from our growers, the outlook is generally favorable for fair to good crops, with the exception of a few varieties of corn and some vine seeds, also with the exception of watermelon crops, which have not been doing well on account of dry weather causing partial stands in some cases and late planting in others, while a few growers have not planted their acreage as they deemed it too late when they had rain. We hope for fair crops of most varieties of watermelon, but may be short of some.

WESTERN SEED & IRRIGATION CO.

### Iowa Specialties.

Muscatine, July 15.—Peppers were damaged some by wind and sand storms followed by drought, which was broken July 9 by a heavy rainfall. Since then they have pushed ahead rapidly and we now hope for a fair crop of seed this fall. The demand for asparagus continued so late this spring the fields were cut longer than usual, hence we do not think there will be over 60 per cent of a seed crop this year. Cold weather in May held the melons back so that they will be about 10 days late but promise well so far. We grow no tomatoes but the Earlianas, which promise a full crop. Rhu-

barb seed is very scarce, as the roots were injured by the severe winter.

J. E. HOOPES & Co.

### Michigan Seed Crops.

Jackson, July 16.—We have had two or three nice rains recently, which have very materially improved conditions. If these had not come, we would have been seriously damaged by this time. Nearly all the crops now look quite well and with favorable conditions from this on our yields will be fully up to the average.

S. M. ISBELL & Co.

Grand Rapids, July 15.—Pea crops will be very short if not worse than a year ago. As for beans, those that were planted early got a good start and are looking very good; the others have been struggling along and looked very bad before the rain we had a few days ago which has helped some, but we need more rain. The weather is intensely hot, but not detrimental to beans provided they have enough moisture.

ALFRED J. BROWN SEED CO.

### Long Island Cabbage.

Hempstead, July 16.—Cabbage seed which promised a full crop has gone back some and if the present drought holds long may cause some shortage. Cauliflower and cabbage farmers are anxious for rain.

FRANCIS BRILL.

### Michigan Peas.

Alpena, July 16.—We have had a few showers recently that have helped some of the pea crops, but we have many poor yields and failures, so that our crop on the whole will be very light.

ROGERS BROS.

### The Non-Warranty Clause.

WALLACE SONS & WELLS VS. PRATT & HAYNES.

This case was an appeal from a judgment of Justice Bray. The dispute arose from a sale by Pratt & Haynes to Wallace, Son & Wells, of 27 qrs. of sainfoin described as common English, which afterwards proved to be Giant sainfoin. The plants differ in the following respects: Giant sainfoin is coarser and grows taller than common English; it does not cover the ground so well; if allowed to do so it comes to seed twice in the year, and is little, if any, use for feeding purposes after the third year from sowing. Common English sainfoin, on the other hand, tillers out better. It only seeds once in each year, and lasts for six, seven, or even eight years. By reason of the above differences the price of common English sainfoin seed is about 10/—a quarter higher than that of Giant sainfoin seed. It was contended by claimants that the condition on sold note and invoice did not protect the respondents, the difference between English and Giant sainfoin being one of "kind" and not of "quality." Respondents contended that the difference was merely one of description, and also that the sale being by sample was a complete defence. The court allowed the appeal, Lord Justice F. Moulton dissenting.—Horticultural Advertiser (English).

### Imports.

During the week ending July 16, imports were received at New York as follows:

Vaughan's Seed Store, 531 cases lily bulbs.

## Braslan Seed Growers Co.

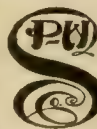
Lettuce, Onion, Sweet Peas,  
Growers for the Wholesale  
Trade Only.

SAN JOSE, CALIF.

## Pieters-Wheeler Seed Company

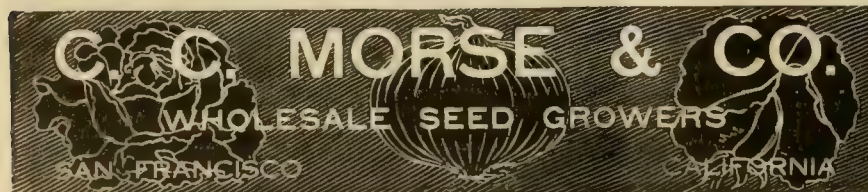
Growers of  
High Grade  
SEED

Hollister,  
California



Onion,  
Lettuce,  
Radish,  
Sweet Peas,  
Etc.

Correspondence  
Solicited.







High-class Seeds, Bulbs, Plants, Shrubs and Nursery Stock.

## "BUDS"

CARL R. GLOECKNER, President,  
76 Barclay St., NEW YORK CITY

### COLD STORAGE LILY OF THE VALLEY PIPS

\$12.50 per 1000 in cases of 2000 only.  
Finest German, not Dutch grown. Ready now.

#### For Fall Delivery 1910

Our own imports from Japan.

|                                          | Per 1000 |
|------------------------------------------|----------|
| Lilium Longiflorum Multiflorum, 7-9..... | \$50 00  |
| Giganteum, 7-9.....                      | 65 00    |
| Formosum, 7-9.....                       | 65 00    |
| F. O. B. New York.                       |          |

### RELIABLE SEEDS.

|                                           | Oz.    | pkt. |
|-------------------------------------------|--------|------|
| Bellis, double Daisies, Longfellow, pink  | \$3 00 | 30c  |
| Snowball, white..                         | 3.00   | 30c  |
| Carnations, hardy garden, finest          |        |      |
| double mixed.....                         | 2.00   | 25c  |
| Myosotis, alpestris, Victoria compact     |        |      |
| blue .....                                | 2.50   | 35c  |
| Pansies, Special florists' mixture.....   | 4.00   | 50c  |
| Pinks, double dwarf hardy garden mxd..    | 4.00   | 50c  |
| Wallflower, extra dbl. dwf.. Bush mxd..   | 4.00   | 50c  |
| For other varieties ask for my catalogue. |        |      |
| O. V. ZANGEN, Seedsman, Hoboken, N. J.    |        |      |

**N E C W R O P SMILAX SEED**  
Ounce, 25c; ¼ lb., 75c.  
**Vaughan's Seed Store**  
CHICAGO. NEW YORK.

## The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip,  
Radish, Beet, Etc.

Branches: Michigan and Wisconsin. **MILFORD, CONN.**

**Dutch Bulbs** We forward free to destination collections of Bulbs for from \$5.00 to \$25.00. Terms, cash with order. Please send for particulars. Apply to **The Dutch Bulb & Seed Growers Co., Haarlem, Holland.**

F. R. Pierson Co., 113 cases lily bulbs.  
P. Henderson & Co., 84 cases lily bulbs, 100 lbs. grass seed, 10 bags seed.  
H. Nungesser & Co., 525 bbls. grass seed.  
S. D. Crosby & Co., 50 bags seed.  
To others, 1,772 cases lily bulbs, four cases, four pkgs. plants.

TO THE TRADE

## HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

**Specialties:** Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

**HENRY METTE'S TRIUMPH OF THE GIANT PANSIES**, (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., \$1.50 per ¼-oz., 75c per 1-16 oz, postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

## PANSY SEED New Crop

| Perfection Mixture, made up from the finest strains grown | Pkt. | Oz.    | Madame Perret.....                                                                                     | Pkt. | Oz.  |
|-----------------------------------------------------------|------|--------|--------------------------------------------------------------------------------------------------------|------|------|
| Elite Mixture.....                                        | .50  | \$8.00 | Giant Parisian Mixture .....                                                                           | .25  | 1.50 |
| Cassier's Giant.....                                      | .50  | 4.00   | Giant Pansies, in separate colors, white, black, yellow, sky blue, dark blue, red, brown, striped..... | .25  | 1.50 |
| Bugnot's Five Spotted                                     | .50  | 5.00   |                                                                                                        |      |      |
| Masterpiece.....                                          | .50  | 5.00   |                                                                                                        |      |      |

**SCRANTON FLORIST SUPPLY CO., Scranton, Pa.**

## L. DÆHNFELDT, Odense, Denmark

Most Important Seed Grower in Scandinavia (5,000 acres).

(Established 1850.) My specialties for export are

### Dwarf Erfurt Cauliflower and Cabbage Danish Ballhead

Send me for delivery after harvest a trial order, and you will in future be my constant customer.

Prices and Catalogue sent on application.

## Conrad Appel, Darmstadt, Germany, Established 1789.

Wholesale Dealer, Importer and Exporter

of Natural Grass, Clover and Tree Seeds, is always open for all kinds of American Grass and Clover seed in carload lots, and invites exporters to submit offers and samples as soon as the new crop is on spot.

### Seed PANSY Seed

Brown's Improved Prize Pansy Seed.

Finest strain in the market.

In color and size they are incomparable.

Price of mixed seed.

3000 seeds, \$1.00; ¼-oz., \$1.50; ½-oz., \$2.50; 1-oz., \$5.00; ¼-lb., \$14.00; ½-lb., \$25.00; 1-lb., \$50.00; in separate colors. Yellow with dark eye, same price. Cash with order.

**PETER BROWN,** Pansy Seed Grower, LANCASTER, PA.

Mention the American Florist when writing

## Seasonable Seeds

For Summer Sowing

All the Leading Kinds

**James Vick's Sons**

SEEDSMEN

Rochester, New York

Mention the American Florist when writing

### GIANT PANSY PLANTS

#### The KENILWORTH Strain

Must not be compared with the flimsy Trimardeau. It is much larger and of good substance, the immense flowers of 3½ to 4 inches are of perfect form, every tint and shade is produced in striking combinations and endless variations of beautiful colors and marking; it is the result of years of selection. The stock plants are selected from many thousand of plants grown for market. It is rich with shades of brown, bronze, red, mahogany and numerous other light, medium or dark mixtures.

#### 1910 Seed Now Ready.

2000 seeds 50c; 5000, \$1.00; ¼-oz. \$1.25; 1-oz. \$5.00; 1 lb. \$50.00. Also the following colors of the Kenilworth strain: yellow, yellow-darkeye, Lord Beaconsfield, Mme. Perret, white darkeye, purple, black, masterpiece, red, brown, bronze, dark-blue and light-blue shades. Trade packets 25c, any five for \$1.00. 12 packets one of each variety \$2.25.

**Rainbow** is a blend of over 50 of the latest introductions of giant pansies of the most beautiful gorgeous colors; blotched, striped veined margined, etc. With every \$1.00 worth of Kenilworth strain I will send 1000 of Rainbow free, and with other amounts in like proportion.

**Chas. Frost**  
Kenilworth,  
N. J.

## Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena, in variety. Correspondence solicited.



## Market Gardeners

### Greenhouse Vegetable Growers and Market Gardeners' Association.

C. W. Waid, New Carlisle, Pa., President;  
Franklin DeKleine, Grand Rapids, Mich.,  
Vice-President; S. W. Severance, 508 Illi-  
nois Life Building, Louisville, Ky., Secre-  
tary; M. L. Ruetenik, Cleveland, O., Treas.  
Annual meeting at Grand Rapids, Mich.,  
Sept. 27-29.

CALIFORNIA cantaloupes have sold remarkably well this season and not many more will be shipped this year.

VISITED CHICAGO: Fred Meyer, J. Hohlt and August Maschmeyer, all of Indianapolis and vicinity, enroute to the west coast.

SPOKANE, WASH.—W. H. Acuff, president of the Washington Mill Co., and J. C. Neffeler, a practical greenhouse man, have built several new greenhouses and intend to go into the indoor vegetable business. A sprinkling system has been installed and a concrete reservoir is to be constructed at an elevation of 50 feet in the nearby hills to provide water pressure.

CHICAGO.—R. F. Dilger, 6058 N. Clark street, is busy with his cucumber crop. Cucumbers are bringing \$1.25 a case. Last year his crop amounted to over 6,000 dozen. The opening of the market was poor, but in June and July was better than in former years. Mr. Dilger was appointed vice-president of the Greenhouse Vegetable Growers' and Market Gardeners' Association for the state of Illinois. He received his appointment about six weeks ago. His residence has been repainted and everything about the place is in first-class condition.—The Greenhouse Vegetable Co., 143 Water street, have had a good season's business and are on a good paying basis at present. It was heard on good authority that several of the other vegetable growers will open a store some time in the near future, so they will be able to take care of the fall planting.—Vegetable growers are making preparations for the coming season, clearing out and putting in new soil. Some of the growers have thrown out their summer cucumbers and have already put in a crop of Grand Rapids lettuce.

### Market Gardeners' Association.

The third annual convention of the Greenhouse Vegetable Growers' and Market Gardeners' Association of America will be held at Grand Rapids, Mich., Tuesday, Wednesday and Thursday, September 27, 28 and 29, and promises to be the most successful ever held by that organization. A splendid programme is being prepared and subjects of interest to the vegetable forcer, market gardener and truck farmer will have a place in it. Grand Rapids is the home of Grand Rapids lettuce and Davis Perfect cucumber, and the convention will afford an opportunity to visit the famous forcing establishments in that city. Any vegetable grower desiring further information should write to S. W. Severance, Secretary, 508 Walker building, Louisville, Ky.

### Notes on Celery.

Few crops are handled under such widely varying methods as celery. Nearly all important crops have gradually been brought to a system of culture, this to such an extent that we may go far and find about the same methods in use. Celery is an exception. In one section we find growers believe in one cropping only, that is, the land is given up to celery entirely and the one crop is all that is expected. In another part, celery is intercropped; still another section, celery is used as a second crop, and the methods of planting vary from rows six feet apart to six inches apart, from level planting to setting into deep ditches. Also the bleaching is accomplished by widely varying means. Some use boards, others paper, some tile and the bulk bank with soil.

The time of planting is also varied. In the northwest an old grower will tell you what is not set out in June is worthless. Moving a little east this is modified to July 4, and so on down to August 15. Thus it is if one reads cultural methods he must not blindly copy them, but try and study out his own conditions. At this time of the year the planting is what mostly interests us, and we will consider it more closely. The time of the year to set celery depends more upon the kind of plant procurable and the moisture at hand. Thus if we have strong healthy transplanted plants, rich soil and ample moisture, August 1 will do in many localities. However, where moisture is likely to be deficient, we must plant earlier, to give the plants ample time to root into lower regions for support during hot spells. This is the main reason for failure on late plantings. The ground will dry out below the root line of our plants when they are either destroyed or stunted. Thus we have often hand watered rows of late planted celery, for a week or 10 days, having to draw the water with a team of horses.

The distance for rows is decided by the method of bleaching. Where boards are used, two feet will do, and six inches in the rows. Where the celery is intended to bleach itself, beds are set six inches by six inches or eight inches by eight inches. Where soil is used and the celery trenched, three and one-half feet to five feet is generally allowed. Where celery is wintered where it grows, double rows are often planted six inches by six inches and then 10 or 12 feet between to permit hauling litter for covering. Ground banking is not advisable for early celery, as the weather must be cool for this method, and tile, paper or lumber is unsafe for the late crop, owing to sharp freezes penetrating too deeply.

MARKETMAN.

### Packing Fruits and Vegetables for Market.

No fruit or produce dealer or experienced shipper will contradict our statement that the proper selection of fruits and vegetables and packing are by all odds the most important features of successful market gardening and profits in shipping products to market. The minutest detail about a crate or box gauges at once the selling price; the style of box, the bright appearance of the new wood, the neat and proper

## Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE \$1.10

AMERICAN FLORIST CO.,  
324 Dearborn St., Chicago.

## VEGETABLE PLANTS

|                                                                                               |              |        |
|-----------------------------------------------------------------------------------------------|--------------|--------|
| Cabbage, All Head, Succession                                                                 | Per 100      | 1000   |
| Second Early, Early Summer, Flat Dutch, Surehead, Danish Round and Ballhead.....              | \$0 20       | \$1 00 |
| 10,000 and over.....                                                                          | 85c per 1000 |        |
| Celery, White Plume, Golden Self Blanching, Giant Pascal, Golden Heart and Boston Market..... | 20           | 1 00   |
| 10,000 and over.....                                                                          | 85c per 1000 |        |

—Cash with order.—

R. VINCENT, Jr & SONS CO., White Marsh, Md.



Watch for our Trade Mark stamped on every brick of Lambert's

### Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

## Flower Colors

Use our COLOR CHART in describing them.  
PRICE, \$1.00 POSTPAID.

American Florist Co.,  
324 Dearborn St., CHICAGO, ILL

marking, the careful and substantial nailing are all features which produce pleasant impressions in the eye of the buyer, because they denote a careful and cautious packer.

The shippers of California could never have crossed the continent of nearly 3,000 miles to market with any hope of profit if it were not for their scientific packing. All means are exhausted to make every package look as attractive as possible. Who has not admired and was tempted to buy the inviting rows of pears, peaches, apricots, cherries and grapes as seen in our fruit stores in the exposed California fruit packages. They should convey a lesson to every observing shipper. Then, again, very little, if any, deception is practiced by topping off the top with the best; the California package will average good all the way to the bottom and this is most praiseworthy and commendable.

Every shipper has the privilege to make his shipments look attractive by topping with nice fruit or truck, but when this is done for the purpose of deception he deceives only himself. Every strange brand or mark is carefully examined to the very bottom by the buyer before purchase is made, and it is no advantage or benefit to even attempt to deceive the customer for your goods; even should you succeed for one time, the buyer will steer clear of your shipments the next time.

—Southern Shipper.



## Chicago Notes.

The stock arriving at the Poehlmann Bros. Co. is remarkably good for the season and some of the finest Killarney, White Killarney, Cardinal and Beauty roses seen on the market this week have been shown here. Good valley and Harrisii lilies are also to be seen and the carnations are better than could be expected now. While the amount reaching the store is not as large as it was, owing to the benches being emptied and replanted at the greenhouses, there is plenty for all and trade keeps up remarkably well.

The Fleischman Floral Co. has been busy with funeral work and on Monday had a lot of work at De Kalb for the Elwood funeral, having to send a man down to superintend the arrangement of the large number of wreaths, sprays and other designs. Miss Margaret Gruenig returned on Monday from her eastern trip and reports having the time of her life among her friends at New York and Buffalo.

H. W. Rodgers of Welland & Risch has returned from his vacation at Pentwater, Mich., where he spent the last two weeks taking trips on the lake and resting up. J. P. Risch left Tuesday for Silver Lake for a couple of weeks' fishing. Business is fair and the young stock at the greenhouses is in fine shape. They expect to cut roses from young stock in about 10 days.

Summer roses continue to be the principal offerings at Bassett & Washburn's, good Beauties, Kaisersins and the two Killarneys being leaders. E. B. Washburn is now settled down to work at the store. He looks extremely well after his western trip and speaks in glowing terms of the country out there and the enjoyable time he had.

The latest improvement at E. H. Hunt's is the installation of a new telephone switchboard for long distance work which will, when completed, give three lines for outgoing and three for incoming business, six in all. This has become necessary owing to increasing business along all lines.

Peter Reinberg's stock continues in excellent shape for the season and there is plenty coming in. Perle and Uncle John roses are fine, and American Beauty still arrives in quantity. Mr. Reinberg is still in the west. Miss Corbett of the office force here is away on her vacation.

W. H. Kidwell came to the city from his summer home at Eagle Lake, Mich., on Monday, but left again on Tuesday evening, taking J. B. Deamud with him for a few days' vacation.

J. H. Burdett, secretary of the Horticultural Society, has been elected secretary of the South Park Board and will assume his duties August 1.

J. B. Deamud is at Hotel DeKidd, Eagle Lake, Bloomington, Mich.

## BOWLING.

The hot weather took all the starch out of the bowlers and the competition to make the team that will represent the Florists' Club at Rochester next month has not proved a sufficient magnet to draw the boys to the alleys. Last Friday night four men went over to Brill's alleys on the west side and rolled the regulation three games with the following results:

|         |     |     |     |
|---------|-----|-----|-----|
| Yarnall | 178 | 184 | 206 |
| Huebner | 180 | 200 | 170 |
| Graff   | 184 | 176 | 180 |
| Laidley | 168 | 172 | 165 |

The team that will represent Chicago at the annual convention will be chosen from the following men: Graff, Huebner, Asmus, Winterson, Vaughan, Yarnall, Fischer, and will be definitely announced at the next meeting of the club.

## Lilium Harrisii

Now Ready for Delivery.

Our first consignments have just reached us, and our advance orders are all filled. In view of the fact that crop is shorter than last year, we advise those who have not already ordered to lose no time doing so. Last year we were not able to meet the demand for our selected Harrisii on late orders. At present we have a good supply, and will be able to take care of early orders; but there should be no delay in ordering, as there is sure to be a scarcity of good stock, especially in the large sizes.

We offer selected stock of the original true Harrisii for early forcing, grown from the original true stock—splendid stock for early forcing, for which purpose Harrisii is so valuable. Our stock is not picked up indiscriminately from different sources, but is grown from one stock, and will be found very superior to the ordinary Harrisii usually offered, both in regard to freedom from disease and purity, and not the late type now so often furnished.

- 6 to 7-inch bulbs, 350 to the case, \$17.50 per case; less quantities, \$6.00 per 100.  
 7 to 9-inch bulbs, 200 to the case, \$18.00 per case; less quantities, \$10.00 per 100.  
 9 to 11-inch bulbs, 100 to the case, \$20.00 per case; less quantities, \$25.00 per 100.

F. R. PIERSON CO.

Tarrytown-On-Hudson,

NEW YORK.



Standard Bay.

## BAY TREES

Standard or Tree Shaped

| Stem about | Crown.    | Each.   | Stem about | Crown.    | Each.   |
|------------|-----------|---------|------------|-----------|---------|
| 42 46 in.  | 24 in.... | \$ 6.75 | 45-48 in.  | 30 in.... | \$10.00 |
| 45-48 in.  | 26 in.... | 7.50    | 46-54 in.  | 34 in.... | 12.00   |
| 46-50 in.  | 28 in.... | 8.00    | 46-53 in.  | 40 in.... | 15.00   |

## BOX TREES

Bush Shaped.

These do not come in tubs.

| Height.                  | Each.  | Doz.   | 100     |
|--------------------------|--------|--------|---------|
| 10 to 12 in.....         | \$0.30 | \$3.00 | \$20.00 |
| 12 to 15 in.....         | .35    | 3.50   | 25.00   |
| 15 to 18 in., light..... | .40    | 4.00   | 30.00   |
| 15 to 18 in., heavy..... | .45    | 4.50   | 35.00   |
| 20 to 24 in.....         | .75    | 8.00   |         |

All plants are quoted f. o. b. Western Springs.

Vaughan's Seed Store

WESTERN SPRINGS, ILL.

Visitors: C. Cramer of the Cramer Floral Co., Salt Lake City, Utah; Jacob Seitz, grower for the Butte Floral Co., Butte, Mont.; J. D. Carmody, Evansville, Ind.; J. S. Bitler, Kokomo, Ind.; Alex Newitt and Will Jones, of the Stuppy Floral Co., St. Joseph, Mo.; H. Greve of the Dallas Floral Co., Dallas, Tex., returning from the Elks' convention in Detroit; Alpha Elberfield, of the Alpha Floral Co., Kansas City, Mo.; B. F. Windler, St. Louis, Mo.; Wm. Fenniger, Toledo, O.; Harry Fisher, Kalamazoo, Mich.; E. M. Michel and wife, Covington, Ky.

STRATFORD, CONN.—The stock of the Fernwood Nursery Co. (B. J. Ezechel, president, and L. C. Bernheimer, treasurer) is reported in the sheriff's hands and will be disposed of shortly at sheriff's sale.

BATAVIA, N. Y.—A. M. Clough of the New York Central says that plans are under way for the erection of additional extensive greenhouses to furnish lawn decorations, palms and cut flowers for depots, etc., for a large section of the road. Greenhouses are now operated by the railroad at Evans street. One of the sites talked of for the new houses is on the east side of Cedar street and the other on Franklin street. Mr. Clough wished to make sure that water could be obtained for the Cedar street site. The greenhouses will be from 100 to 150 feet long. The plans are now being completed.—Thieves entered the greenhouse of Gustav Noack at 143 Bank street, July 14, and, opening a cash drawer, secured about \$10 in small change.



## The Nursery Trade

### American Association of Nurserymen.

W. P. Stark, Louisiana, Mo., President;  
E. S. Welch, Shenandoah, Ia., Vice-President;  
John Hall, Rochester, N. Y., Sec'y.  
Thirty-sixth annual convention to be held  
at St. Louis, Mo., June, 1911.

VISITED CHICAGO: C. C. Mayhew, manager of the Texas Nursery Co., Sherman, Tex.

THE Frank Kadlec Nursery Co. of Evanston, Ill., has been incorporated with capital stock \$50,000 to do a general nursery business. "F. Kadlec and others" are given as the incorporators.

LOGAN, UTAH.—The Western Nursery Co. of Logan has filed articles of incorporation with the secretary of state. The company has a capital stock of \$10,000, with shares at the par value of \$1 each. The officers are: F. E. Clark, president; H. C. Clark, vice-president; G. D. Cardon, secretary; Katherine S. Clark, treasurer.

### American Ass'n of Park Superintendents.

The annual meeting of the American Association of Park Superintendents will be held in Harrisburg, Pa., August 9-10 and in Gettysburg August 11. Several changes in the constitution and by-laws will come up for consideration and these are fully described in a leaflet sent out by and to be obtained from F. L. Mulford, secretary-treasurer of the association, Harrisburg, Pa. Besides the business session three sessions will be devoted to the reading of papers, several having been promised from well known authorities and the secretary invites every member present to take part in the interesting discussion these papers will provoke.

There will be a visit arranged to the parks of Harrisburg, in itself a pleasing and inspiring function, while the social features are many and varied. The trip to Gettysburg will be well worth while, this beautiful and historic spot being of the greatest interest. In Harrisburg the Commonwealth hotel will be headquarters, the rates being \$3.50 per day up for room and bath. In Gettysburg headquarters will be at the Eagle where the rate is \$2 per day. Members from New York and New England points should leave New York not later than the midnight train on August 8, taking the Harrisburg sleeper over the Pennsylvania from Twenty-third or Cortland street ferries. From points west the Atlantic express over the same is the best, as it crosses the Alleghany mountains over the famous Horse Shoe curve by daylight, reaching Harrisburg the afternoon of August 8. The 11 a. m. train from Chicago will arrive at Harrisburg at 7 a. m., August 9, but the mountains will be crossed during the night. Other trains either reach Harrisburg in the middle of the night or not until after the convention opens. The only chance for special rates are with the regular six months excursion ticket via the Philadelphia and Reading railroad. This ticket should be specified as it is the only one that allows stopovers at Harrisburg. The "short line" does not pass through the city. Rooms and sleeper accommodation should be engaged early and Mr. Mulford will attend to the former if members wish and will advise him at once.

# A BLUE ROSE

## The Greatest Rose Novelty of the Century

*It flowered with us this season and was greatly admired.*

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

*Send for description and price.*

**ELLWANGER & BARRY**

Mount Hope Nurseries

ROCHESTER, N. Y.

## ROSES Our Leading Specialty

Also Azaleas, Rhododendrons, Conifers, Fancy Clipped Boxwoods, Forest and Fruit Trees, Hedge Plants, Etc  
Ask for Wholesale Price Lists.

**S. A. VOSTERS & SONS,**

**RIEL, HOLLAND.**

Dingee & Conard Co., West Grove, Pa.

### IMPORTANT BUSINESS CHANGE.

Announcement has been made of the transfer of all the stock of the Dingee & Conard Co. to P. J. Lynch, secretary-treasurer, and M. Henry Lynch, vice-



P. J. Lynch.

president of the Dingee & Conard Co. The brothers Lynch thus become the sole owners of this immense establishment, having purchased outright all the interests in the company owned by Charles Dingee, the only surviving founder of the original firm, whose inception dates back nearly 60 years.

The brothers Lynch have for a considerable time practically run the whole of the business and they have succeeded in not only maintaining but increasing the world-wide reputation of the firm. Recent extensions of the business have been the addition of plants at Charlottesville, N. C., and New Castle, Ind., both of which are now running smoothly. This is a great tribute to their business ability and

## A GOOD INVESTMENT

Evansville, Ind., Feb. 18, 1910.

AMERICAN FLORIST Co.

Chicago.

DEAR SIR:—I am using your Trade Directory and out of 4000 nurserymen we circularized only two circulars came back. I am enclosing these names as you may want to make the changes.

A. J. LOCKYEAR.

New Edition Now Ready—Price \$3.00.

## Jacs Smits & Co., NAARDEN, (Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Pionies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Price List Free on Demand.

knowledge of the work involved in its conduct.

P. Joseph Lynch recently returned from New Castle, where he has been conducting that branch of the business, to attend the annual meeting of the Dingee & Conard Co., at which a most prosperous season was reported and all the old officers re-elected, as follows: Alfred P. Reed, president; Henry Lynch, vice-president, and P. J. Lynch, secretary-treasurer. Mr. Lynch speaks very highly of the hustling middle west country where much of his time has been and will be spent in developing the new business, and he will return almost at once.

### American Association of Nurserymen.

OFFICERS AND COMMITTEES FOR '10-'11.

The list below contains the officers for 1909-1910 of the American Association of Nurserymen and also the names of the chairmen of committees. We are glad to note the appointment of additional committees for work along new lines. There is a mass of work that has to be done in order to



## Phoenix Nursery Company

**Nurserymen and Florists**  
BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalog for fall issued Sept. 1st.

### 500,000 California Privet FOR FALL OF 1910.

A fine stock of 1 and 2 year plants from 12 inches to 4 feet will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.

Also a fine stock of **AMPELOPSIS Veitchii**, 2 years transplanted.

**CHAS. BLACK,** Hightstown, N. J.

## Hybrid Perpetual and Rambler Roses

**Strong Forcing Stock for Florists.**  
Orders for fall delivery booking now.

**Jackson & Perkins Company, Newark, N. Y.**

safeguard the interests of nurserymen and there is every indication that the association, under the able presidency of W. P. Stark, is awake to its responsibilities and needs in this direction.

#### OFFICERS.

Wm. P. Stark, Louisiana, Mo., President.

E. S. Welch, Shenandoah, Ia., Vice-President.

John Hall, Rochester, N. Y., Secretary.  
C. L. Yates, Rochester, N. Y., Treasurer.

#### EXECUTIVE COMMITTEE.

J. H. Dayton, Painesville, O.; E. M. Sherman, Charles City, Ia.; H. B. Chase, Huntsville, Ala.; Wm. P. Stark (ex-officio), Louisiana, Mo.; John Hall (ex-officio, Sec'y), Rochester, N. Y.

#### CHAIRMEN OF COMMITTEES.

Transportation.—D. S. Lake, Shenandoah, Ia.; Chas. M. Sizemore, Louisiana, Mo.

Tariff.—Irving Rouse, Rochester, N. Y.

Legislation East of Mississippi River.—Wm. Pitkin, Rochester, N. Y.

Legislation West of Mississippi River.—Peter Youngers, Geneva, Neb.

Co-operation with Entomologists.—J. W. Hill, Des Moines, Ia.

Programme.—J. H. Dayton, Painesville, O.

Publicity.—Orlando Harrison, Berlin, Md.

Exhibits.—J. W. Schuette, 5600 Gravois avenue, St. Louis, Mo.

Arrangements.—John Hall, Rochester, N. Y.; J. H. Dayton, Painesville, O.; F. A. Weber, Nursery, Mo.

Editing Report.—John Hall, Rochester, N. Y.; Prof. John Craig, Ithaca, N. Y.

Entertainment.—F. A. Weber, Nursery, Mo.

Forestry.—A. J. Brown, Geneva, Neb.

Co-operation with Fruit Growers and Associations.—J. M. Irvine, St. Joseph, Mo.

Trade Opportunities.—Jefferson Thomas, Harrisburg, Pa.

Nurserymen's Share in Civic Improvement.—J. Horace McFarland, Harrisburg, Pa.

Membership.—John Watson, Newark, N. Y.

### Foreign Plant Introductions.

#### TREES AND SHRUBS.

From the "Bulletin of Foreign Plant Introductions" under the heading of "New Plant Immigrants" we cull the

# Bobbink & Atkins

World's Choicest Nursery and Greenhouse Products

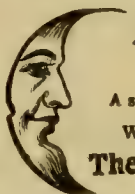
## Bay Trees, Boxwood,

**Evergreens and Conifers,  
Rhododendrons and Herbaceous  
Plants, Kentias and Phoenix.**

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity.

German Iris, in 50 named varieties, \$6.00 per 100.  
Japan Iris, in 10 best named varieties, 8.00 per 100.

**Nurserymen and Florists** **Rutherford, N. J.**



## Arbor Vitæ

(*Thuja Occidentalis*.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.  
Write for descriptions and prices.

**The Wm. H. Moon Co.,**  
MORRISVILLE, PA.

## DAHLIAS

Jack Rose and other best Cut Flower varieties. Write for list and prices.

### PEACOCK DAHLIA FARMS

Williamstown Junction, N. J.

## LARGE TREES

OAKS and MAPLES  
Pines and Hemlocks

### ANDORRA NURSERIES,

Wm. Warner Harper, Prop.  
Chestnut Hill, PHILA., PA.

following, as likely to be useful, out of a far greater number listed:

*Amygdalus Fenzliana*.—Seeds from Tiflis, Caucasus, Russia. Plants sent under No. 27302. A shrubby, ornamental almond flowering in early spring, with white flowers. Grows in semi-arid sections in eastern Caucasus. Suggested as stock for almonds and other stone fruits.

*Berberis Chilensis*.—From Jose D. Husbands, Limavida, Chile. "Michay. A yellow-flowered, thorned, dark-leaved evergreen bush, about six feet high, suitable for live fences and ornament. The Indians eat the fruit." For distribution later.

*Castanea Sp.* (27587).—Seedlings of Corean chestnut from Yokohama, Japan, purchased from the Yokohama Nursery Co.

*Crataegus Sp.* (27339).—From Souchoum Kale, Caucasus. An evergreen, ornamental hawthorn, probably a form of *C. pyracantha*, of strong growing habit, but somewhat irregular growth; of value as an ornamental evergreen.

*Eleagnus Sp.* (27775).—From Tiflis, Caucasus. One of the best and most

### NEW BERRY, HIMALAYA GIANT

Berry Catalogue free with Colored plates.  
Berrydale Experiment Gardens, Holland, Mich.

## THE Storrs & Harrison Co.

**PAINESVILLE NURSERIES.**

CATALOGUES AND PRICE LISTS  
FREE ON APPLICATION.....

**PAINESVILLE, OHIO.**

## ROSES

A SPECIALTY.

**The Dingee & Conard Co.,**  
**WEST GROVE, PA.**

## JOHN T. WITHERS, Inc.

**Landscape Architect and Forester**

1 Montgomery St., **JERSEY CITY, N. J.**

**Tree Renovation by Expert Operators. Stereo-opticon lectures on Horticulture and Arboriculture**

**Eugene Pitou, Jr.** **CIVIL ENGINEER and Landscape Architect**

Phone Barclay 6084—229 Broadway, New York  
Designs, Estimates, Construction of Grounds.

**For Reliable Stock  
From Reliable Dealers  
Keep Tab on Advs. in THE FLORIST.**

prolific sorts of oleasters. Fruits large, nearly cylindrical in shape; color yellowish-gray, sun-side dark red. Skin very thin and easily peeled off from fruit when fully ripe. Flesh light grayish-yellow, tender and sweet. Eaten fresh or dried as a dessert; also stewed in milk.



## Aster Plants

Simple's Branching and Queen of the Market  
fine plants of the best strains. \$1.75 per 1000.  
5000 for \$7.50.

Cabbage, Celery, Peppers,  
Sweet Potatoes, Tomatoes,  
Brussels Sprouts and Celeriac.

Five plants from the field, \$1.00 per 1000; 5000 for  
\$4.00; 10,000 for \$7.50; all the best varieties.  
J. C. SCHMIDT, Bristol, Pa.

## Whitmani Ferns

2½-in., \$5.00 per 100; \$40.00 per 1000.  
250 at 1000 rate.

Magnifica, 2½-in., \$15.00 per 100.  
HENRY H. BARROWS & SON, Whitman, Mass.

Mixing Concrete.  
On account of its cheapness, uniformity, and quick development of strength, the only cement practically used at present is the kind called "Portland." There are almost as many brands of Portland cement as there are of wheat flour. Choose some brand guaranteed by the local dealer to meet the standard specifications of the American society for testing materials, which standards are approved by the national government. Cement takes water so easily that care must be exercised in storing it. Upon the regular floor of a good building place timbers close together, as a support for a false floor, upon which the cement should be piled.

KEEP THE CEMENT DRY.  
Cement is heavy; do not overload the floor of the building by piling it too high, and do not store it against the side walls. Keep it covered with canvas or roofing paper. Cement once wet sets up and is unfit for use. However, lumps due to pressure in the store house must not be mistaken for set-up cement. Such lumps are easily crumbled and may then be used.

Concrete is a mixture of Portland cement and particles of stone. The stone should vary in size from pieces one inch in diameter to sand grains. By so grading the stone, the smaller particles fit in the spaces between the larger pieces, thereby producing the most compact and the strongest mixture. The best stone for crushed rock is one which is clean, hard, and breaks with sharp angles. Trap, granite, and hard limestone are among the best; the use of shale, slate, and soft lime-stones and sandstones should be avoided. The crushed rock should be screened on a ¼-inch screen to remove the fine particles. These small particles should be considered as sand; and, if insufficient in quantity to make the proper proportion of the concrete, as is described later, enough sand should be added to them to produce the required amount.

Gravel well graded in sizes is at least equally as good for concrete as crushed stone. Bank-run gravel, just as dug from the pit, seldom runs even and rarely has the right proportion of sand and pebbles for making the best concrete. The mixture most suitable has one part sand to two parts gravel, measured by volume, in which all sizes passing through a 1-inch-mesh screen and retained on a ¼-inch screen are considered gravel. As there is usually too much sand for the gravel, it is both advisable and profitable to screen the material and to remix them in the proper proportions. Gravel should have no rotten stone and should be clean, so that the cement may adhere to it tightly.

## Miscellaneous Plants

|                                   | Doz.   | 100    | Each                                | Doz.          |
|-----------------------------------|--------|--------|-------------------------------------|---------------|
| 2½-in. Boston, (Aug.)             | \$2 00 | \$4 50 |                                     |               |
| 4-in. "                           | 3 00   | 15 00  | 4-in. Araucaria Excelsa,            |               |
| 5-in. "                           |        | 25 00  | 2-3 tiers                           | \$ 50 \$ 6 00 |
| 2½-in. Whitmani,                  |        | 5 00   | 6-in. Araucaria Glauca,             |               |
| 4-in. "                           | 2 00   | 15 00  | 3-4 tiers                           | 1 75          |
| 5-in. "                           | 3 00   | 25 00  | 6-in. Araucaria Compacta,           |               |
| 2-in. Asparagus Plu. Nanus,       |        | 3 00   | 3-4 tiers                           | 1 75          |
| 3-in. "                           | 1 00   | 7 00   |                                     |               |
| 4-in. "                           | 1 50   |        | Kentia Forsteriana, single          | Each          |
| 2-in. Asparagus Sprengerii,       |        | 2 50   | plants, 7 in. 6 to 7 leaves, 34     |               |
| 3-in. "                           | 1 00   | 6 00   | to 36 in                            | \$ 3 50       |
| 4-in. "                           | 1 25   | 10 00  | Same made-up, 3 plants to pot       |               |
| 2-in. Asstd. Ferns, dishes (Aug)  |        | 3 00   | 32 to 34 in.                        | 3 00          |
| 2-in. Cyclamen,                   |        | 3 50   | Same made-up, 3 plants to pot       |               |
| 3-in. "                           | 1 00   | 7 00   | 36 to 40 in.                        | 4 00          |
| 4-in. (Aug.)                      | 2 00   | 15 00  | Kentia Belmoreana                   |               |
| 2-in. Chinese Primrose,           |        | 3 00   | 7-in. pot, 6-7 leaves, 34-36 in.... | 4 00          |
| 3-in. Obconica Primrose,          |        | 7 00   | 7-in. pot, 6-7 leaves, 28-30 in.... | 3 00          |
| 2-in. Celestial Peppers,          |        | 3 00   | 6-in. pot, 5-6 leaves, 26-28 in.... | 1 75          |
| 2-in. Jerusalem Cherries,         |        | 3 00   | 4-in. pot.....per 100               | \$35.00       |
| 2-in. Poinsettias, (1000 \$45.00) |        | 5 00   | 2½-in. pot.....per 100              | 10.00         |
| 2-in. Smilax,                     |        | 3 00   |                                     |               |
| 2½-in. Cocos Weddelliana          | 2 00   | 15 00  |                                     |               |
| 3-in. Pandanus Veltchii,          | 3 50   |        |                                     |               |

D. U. AUGSPURGER & SONS CO., Box 394, Peoria, Ill.

## Asparagus Primroses

|                          | Per 1000 | Per 100 |                         | Per 1000 | Per 100 |
|--------------------------|----------|---------|-------------------------|----------|---------|
| Plumosis, 2½-in. pots.   |          | \$ 2 00 | Kewensis, Yellow        |          | 2 00    |
| Sprengerii, 2½-in. pots. | \$15 00  | 2 00    | Chinese and Forbesi     |          | \$ 2 00 |
| Pansy Seed, new crop     |          | Per oz. | Obconica Alba and Rosea |          | 2 00    |
| Giant Flowering          |          | \$ 4 00 | Obconica Gigantea       | \$25 00  | 3 00    |
| Smilax, 2½-in. pots.     | \$1 00   | per 100 |                         |          |         |

—Cash, No C. O. D.—

JOS. H. CUNNINGHAM, Delaware, O.

With dirty sand, no amount of cement will make strong concrete. Generally sand is clean, but if not, it can easily be washed by playing a hose or flushing water upon thin layers of sand placed on a tight-jointed inclined wooden board. In sizes of grain it should vary uniformly from fine to coarse. All particles passing a ¼-inch screen may be considered sand. Any good-tasting drinking-water is suitable for concrete.

Measurement by counting shovelfuls is poor and uncertain practice. To avoid splitting of bags of cement, make as the unit of measurement one cubic foot, the amount of loose cement contained in one cement bag. Such measurements are made a very easy matter by gauging the wheelbarrows. For this purpose use a bottomless box holding one cubic foot. A shallow bottomless frame is also a convenient means of measuring. Such a frame, when set on the mixing board and filled, should contain the full amount of sand or one-half the quantity of gravel, or crushed rock, required for one batch of concrete.

All the materials (slightly more than the computed quantities) should be on hand before beginning the work. They can often be hauled at odd times. The sand and gravel or stone should be piled so as to cause the least amount of wheeling; to make the mixing most convenient to the water supply; to allow room for the future location of the mixing board. If the gravel does not need screening, place a bottomless frame on the mixing board and fill it level full with gravel. Lift the frame, spread the gravel slightly with the garden rake, and upon it distribute evenly two bags (the full amount) of cement. Set the frame upon the leveled surface of cement and gravel and again fill it in the same way.

Remove the frame and spread the entire mass by dragging it back and forth with the rake. Two men, opposite each other, then turn the batch with square pointed shovels. Again

## Miscellaneous Plants

We have the grandest lot of Boston and Whitmani Ferns in 2½ to 10-in. pots. Extra fine Plumosis, 2½, 3, 4 and 5-in.; Sprengerii 2½, 3 and 4-in.; Cyclamen, 2½ and 3-in.; Celestial Peppers, 2½-in.; Jerusalem Cherries, 2½ and 3-in. Chrysanthemums, Col. Appleton, Cash. J. K. Shaw, Ivory and others. Write us for prices on anything you may need.

GEO. A. KUHL, Wholesale Grower, Pekin, Ill.

## Brides and Maids

2½-in. \$2.50, 100: \$25.00, 1000.  
Numerous other good sorts in prime stock

THE LEEDLE FLORAL COMPANY.  
SPRINGFIELD-OHIO.

use the rake. Keep turning until the cement no longer shows in streaks, until the mixture has a uniform color. Throw up the ragged edges and, with sprinkling can or hose with spray nozzle, apply water in quantity. Turn again and add so much more water as may be required. If dry streaks are still evident, continue the turning until they disappear. With wheelbarrows quickly remove the concrete and immediately use it in the work.

If crushed rock or screened gravel is to be used, fill the bottomless frame with sand and distribute upon it two bags of cement. Drag the materials back and forth with the garden rake, then turn, as described above, until the mass has a uniform color. Spread the mixture so that two framefuls of crushed rock or screened gravel may be placed upon it. Wet the mass and turn as for bank-run gravel until each stone is coated with cement mortar. Remove as for the gravel concrete. For the proportion of 1 : 2½ : 5 or 1 : 5 the method of mixing is the same. Since crushed stone is more or less porous, in dry hot weather it is advisable to keep the stone pile wet or at least to water the stone well as it stands on wheelbarrows ready for the mixing board.



CONTENTS

Carnation Plants

Clean, healthy, field-grown plants.  
This is the place you got those nice plants last season. Our stock this season is equal to last. Following is the list of varieties.

|                     |                                  |
|---------------------|----------------------------------|
| Pink Enchantress... | \$6 00 per 100; \$60 00 per 1000 |
| Rose                |                                  |
| White               | 7 00 " " 65 00 " "               |
| Perfection          | 6 00 " " 60 00 " "               |
| Bountiful           | 6 00 " " 60 00 " "               |
| Boston Market       | 5 00 " " 50 00 " "               |
| White Lawson        |                                  |
| Lawson              |                                  |
| Beacon              | 6 00 " " 60 00 " "               |
| Victory             | 6 00 " " 60 00 " "               |
| Harlowarden         | 5 00 " " 50 00 " "               |
| Winsor              | 6 00 " " 60 00 " "               |
| Yellow Beauty       | 6 00 " " 60 00 " "               |
| M. A. Patten        | 6 00 " " 60 00 " "               |

Cash with order.

HOWARD P. KLEINHAUS, 66 Centre Square, EASTON, PA.

Carnations

F. DORNER & SONS CO.  
La Fayette, Ind.

Cincinnati.

SUMMER QUIET.

Business last week was extremely quiet and the cut flower market reached its lowest level. Good roses and carnations were to be had, but not in great quantities. The Longiflorum lilies were plentiful, but unfortunately the market failed to appreciate its opportunity and quite a number were consigned to the barrel. Some exceptionally fine Auratum were seen at the Ohio Cut Flower Co., but the demand failed to take up one-half that came in. On Monday morning the market opened with a healthy demand, which, no doubt, was occasioned by the death of one of our well-known bankers, and buyers were eager to procure the best stock available. Gladioli are arriving in increased numbers and another week will see asters added to the list, as several growers state they will begin shipping about July 25. Green goods of all kinds are to be had in quantity.

NOTES.

As the S. A. F. convention draws near we hear of this or that party who contemplates going to Rochester next month. So far the party from this city will be C. E. Critchell, Ray Murphy, J. A. Peterson, Louis H. and Edith F. Kyrk, A. C. Heckman, Jr., Albert Sunderbruch and Dan Carmichael. Undoubtedly when the time comes a few more will be added to the list.

A letter from P. O. Coblenz, the New Madison gladiolus king, states that he is the proud grandpa of twin boys and that the daughter-in-law and two sons are doing fine. Congratulations, grandpa, and we hope the boys turn out to be fine specimens of manhood.

Mrs. P. J. Olinger leaves for Chicago this week to spend the summer, and Miss Stella Kyrk is enjoying her vacation with friends at Washington, Ind.

Alfred Murphy has a glazing party this week; all visitors to his establishment are put to work glazing that new 250-foot house.

J. A. Peterson will exhibit his new Begonia Glory of Cincinnati at the S. A. F. convention, and also a fine line of new dracenas.

R. D. Ruttle, the Covington florist, attended the Elks' convention in Detroit last week.

E. G. Gillette and family are at Traverse City, Mich.

WE TAKE THE LEAD

In what? What a foolish question! Don't you know? Didn't you hear of GODFREY ASCHMANN, the great Araucaria Importer, Grower and Shipper? These so well favored, everlasting green decorative plants, the Araucaria Excelsa, Robusta Compacta and Excelsa Glauca, are in favor more than ever this year.



This is our 25th anniversary since we began importing Araucarias. Watch! See us grow! Beginning 25 years ago with 100, our this year's (1910) importation is 10,000, and more are coming this fall after I have made my selection of the choicest of the choice on my trip to Belgium; the growing district of the world in Araucarias and Azaleas. The trade is well informed that for many years past I go personally to Belgium to protect and select for my customers the best of Araucarias, Azaleas, Palms, etc., that cash can buy there. Empty houses won't pay. Now is the time to fill your empty houses with something to grow into money while you are asleep.

Remember, it is the wideawake man that is not afraid to invest a dollar that makes the money. Please look at our special low prices for superior stock.

Araucaria Excelsa, raised from top cuttings, no seedlings. Plants, 5-5½-6-7 in. pots, 12-15 18-20-25-30 in. high, 3-4 5-6 tiers 2 3-4-5 years old, 35c. 50c 60c, 75c \$1.00, \$1.25 to \$1.50 each.

Robusta Compacta, Excelsa Glauca, 6-in. pots, \$1.00 to \$1.25 each.

Kentia Forsteriana, in fine shape, 6-in. pots, 30 35-40 45 in. high 4-5-6 years old, 75c. \$1.00, \$1.75 \$1.50 \$2.00 to \$2.50 each.

Kentia Belmoreana, 25 30-35-4 in. high 5-5½-6-7 in. pots, 5-6-7 years old, 50c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00 each.

Kentia Belmoreana, 2½ to 3 in., 10c each.

Standard Bay Trees, 1-foot tubs, 7 ft. high from bottom up, 2 x 2 crown, \$8 00 per pair.

Cyclamen Grandiflora, best strain, 4 in., 15c.

Nephrolepis (Ferns), Boston Scottii, Whitmani, Scholzei 4 in., 25c; 5, 5½ and 6-in., 35c, 40c and 50c.

Ferns for Dishes, big assortment, 2½-in. pots, at \$3.00 per 100.

Begonia Gloire de Lorraine, deep pink, 4-in., 25c.

Begonia Lonsdale, pale pink, 4-in., only 25c.

Sago Palms, ready July 15, 6-7-8 in. pots, from 5 to 20 leaves 10c per leaf.

Cocos Weddelliana, 3 in. pots, 18c to 20c.

Cannas, Richard Wallace (best of the red), J. D. Eisele (also one of the new best reds), large 4-in., \$7.00 per 100.

Summer Chrysanthemums or Paris Daisies, 2½-in. pots, 3c.

English Ivy, 3 in., 5c.

Primula Obconica, best strain, 4 in., 10c; 5-in., in bloom, 15c.

Cosmos, separate colors, 2½-in., \$3.00 per 100.

We have an unsurpassed strain of Solanum Multiflorum (Jerusalem Cherries). Can offer only a limited quantity. 2½-in. pots, \$5.00 per 1000.

Cash with order, please.  
All plants must travel at purchaser's risk.

GODFREY ASCHMANN

Wholesale Grower and Importer of Potted Plants, 1012 West Ontario St., PHILADELPHIA, PA.

BEGONIA  
Gloire de Lorraine

Fine Stock, from 2½-in. pots.  
Doz., \$2.00; per 100, \$15 00; per 1000, \$140.00.

VAUGHAN'S SEED STORE  
25 Barclay St., NEW YORK. 84-86 Randolph St., CHICAGO.

SPECIALTIES.

Roses, from 3-in. pots. Chrysanthemums  
Carnations for fall delivery. Smilax, Violets  
IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL, New York.

Clematis Paniculata...

2500 at \$7.50 per 1000.  
Out of 2 inch pots. \$2.00 per 100.  
SAMUEL V. SMITH.  
Roy and Goodman Sts., PHILADELPHIA, PA.

Visitors: Arthur S. Cary, Dayton; S. R. Lundy, representing W. A. Manda, South Orange, N. J.; Ben Eschner of the M. Rice Co., Philadelphia.

FAIRFIELD, IA.—E. H. Montgomery has bought out Mrs. Geo. Wray's business at 300 Kirkwood avenue.

Field-Grown Carnations...

10,000 White Enchantress, 10,000 White Perfection, 8,000 R. P. Enchantress, 7,000 Enchantress, 4,000 Victory, 12,000 Winona, 5,000 Lawson Enchantress, 2,500 Winsor, 300 Beacon, \$6.00 per 100; \$50.00 per 1000; 250 at 1000 rates. Cash. Limestone land; no stem rot.

W. Fargo. U. S. and American Express.

W. SABRANSKY, Kenton, Ohio

Good Plant Stock For Sale

5000 American Beauties, at.....12c  
2000 Maids, at.....6c  
300 Gardenias, extra fine.....25c  
All plants in 4-in. pots.  
Also 10 secondhand 4 in hot water valves at \$2.50 each  
BRANT-HENTZ FLOWER CO., MADISON, N. J.

BOSTON, MASS.—John J. O'Brien, Beacon street, and family are summering at Hull. Mr. O'Brien comes to the city daily to attend to his business.



# Vaughan's Giant Pansies

**10 per cent special CASH DISCOUNT.** On orders over \$2 for Flower Seeds if cash is enclosed. **10 per cent.** The discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent.



## VAUGHAN'S "GIANT PANSY MIXTURE."

Embraces besides all the separate shades and colors, five special strains not listed elsewhere, and which can only be had in this and our International mixture. This mixture includes the richest reds, coppers and bronzes, together with the most delicate rose and pink shadings, all the distinct colors of Trimardeau, the splendid Cassier strain. Trade pkt., 25c; ¼ oz., 60c; oz., \$4.00; ¼ lb., \$14.00.

Our list of "Seeds for Summer Sowing" now ready; if you have not received a copy please write for same.

## VAUGHAN'S "ELITE PANSIES."

This is not a complete mixture like our International; it does not contain any pure white, yellow or any self colors. It is comprised of the cream of four Pansy specialists' choicest and most expensive mixtures. Trade pkt., 50c; ¼ oz., \$1.00.

## VAUGHAN'S PREMIUM PANSY MIXTURE.

Embraces all the varieties of the Fancy German Sorts. We have sold this mixture for the past seventeen years, and it has given general satisfaction. Per pkt., 25c; ¼ oz., 75c; ½ oz., \$2.50; oz., \$5.00.

## IMPROVED GERMAN MIXTURE.

This is a mixture of three strains from different German growers, and is made up mostly of separate colors, with a sufficiently large percentage of white and yellow. Per large pkt., 10c; ¼ oz., 20c; ½ oz., 30c; oz., \$1.00.

## VAUGHAN'S INTERNATIONAL PANSIES.

Vaughan's International Pansy Mixture was first prepared and offered by us in 1889. We import from all the best European sources, and personally inspected the fields of French and German specialists of their finest strains. Each year has added to the quality of its flowers, the variety of its colors. We buy every year novelties of known merit to improve the mixture. This is the reason it is always complete, always the latest and always the best mixture AS WE BELIEVE. We add to all the Pansy Mixtures, which we now buy more than fifty per cent of choicest named kinds obtainable, each in rightful proportion. We thus know what it will produce. This is one of the SPECIALTIES which has established and held the reputation of Vaughan's Flower Seeds and this is one which we maintain most carefully, not alone as to quality, but in vitality and germination. You are beginning right in Pansy growing when you start with Vaughan's International Mixture. Trade pkt., 50c; ¼ oz., \$1.50; ½ oz., \$5.00; oz., \$10.00.

## VAUGHAN'S CUT FLOWER MIXTURE.

This mixture is put up by ourselves and contains mostly light colored sorts. We have sold this mixture for several seasons to some of our Chicago cut flower growers, who have realized big returns from the sale of the flowers. Pansies are as easily grown as violets, require less care and bring better returns. Trade pkt., 50c; ¼ oz., \$1.00; ½ oz., \$2.00; oz., \$8.00.

# VAUGHAN'S SEED STORE,

84 and 86 Randolph St., CHICAGO

Greenhouses: Western Springs, Ill.

25 Barclay St., NEW YORK.

## Seasonable Stock

Per 100 Per 1000

|                                       |        |         |
|---------------------------------------|--------|---------|
| Primula Obconica, Ronsdorf hybrid     |        |         |
| 2½-in.                                | \$3 00 | \$25 00 |
| Chinese Primroses, very best English  |        |         |
| and French strains, 2½-in.            | 3 00   | 25 00   |
| Poinsettias, fine stock, 2½-in.       | 5 00   | 45 00   |
| Ferns for Dishes, assorted varieties. |        |         |
| 2½-in. pots.                          | 3 50   | 30 00   |

Cash with order.

We extend a cordial invitation to members of the trade who visit Chicago to call and see us. We try to have things attractive and interesting at all times.

**FRANK OECHSLIN,**

4911 Quincy St., CHICAGO.

LOWELL, MASS.—Geo. Foster of Wamesit is enlarging his greenhouses. J. K. Chandler of Tewksbury is building a new greenhouse.

FORT WAYNE, IND.—From now on the Misses Mildred and Ruth Flick will be associated in business with the Flick Floral Co., in the well-known store conducted by Miss C. B. Flick for a number of years in West Berry street. Both young ladies are nieces of Miss Flick, and Miss Mildred Flick has been an assistant in the store for six years, displaying the taste for decorations which is so well known a feature of Miss C. B. Flick's work. It was the wish of the father of these two young girls, the late George Flick, that they, as soon as possible, take upon them some of the work of the business in which he had been associated.

## Smilax, Sprengeri,

Smilax at \$10.00 per 1000, ready August 1.  
Sprengeri at \$15.00 per 1000.

Let me send you a sample.

**ALBERT M. HERR,**

## Chrysanthemums

We have the following plants ready for immediate shipment

October Frost, Mme. Desjouis,  
Gloria, Intensity, W. H. Chadwick, Golden Chadwick, Minnie Bailey, Cremo, Monrovia

\$2.50 per 100.

When making order, please state if we may substitute in case we are sold out of varieties selected.

**Elmer D. Smith & Co.,** ADRIAN, MICH.

BELLEVUE, ALA.—Mrs. Rehm of Canal street, New Orleans, La., has been visiting here.

TRENTON, N. J.—The State Horticultural Society will hold its meeting at the home of Horace Roberts, near Moorestown, July 27.

## Geraniums, Rooted Cuttings

Ricard, Poitevine and S. A. Nutt. Orders booked for delivery on or before Oct. 15 at \$10.00 per 1000.

**Lancaster, Pa.**

## A New Fern NEPHROLEPIS GIATRASH

Awarded a Certificate of Merit by the Horticultural Society of New York.

Prices: In 2¼-inch pots, \$2.00 per dozen; \$12.00 per 100; \$100.00 per 1000. 25 plants at 100 rates; 250 plants at 1000 rates. Orders delivered in rotation as received. Now Ready for delivery,

**GEORGE GIATRASH,**  
463 Summit Ave., West Hoboken, N. J.

Mention the American Florist when writing

## PALMS, FERNS AND

Decorative Plants

**JOHN SCOTT,** Rutland Rd. & E. 45th St.  
BROOKLYN, N. Y.

Mention the American Florist when writing



# Dreer's Special Offer of Fine Ferns



**Nephrolepis Scholzeli.**

**Mixed Ferns for Dishes.**

We have at all time a good supply of these in good assortment  
2½-in. pots, \$3.50 per 100; \$30.00 per 1000.

For a complete list of seasonable stock offered by us at this time see our current wholesale list. If you have not received a copy it will be mailed to you on application.

**HENRY A. DREER, Inc., 714 Chestnut Street, Philadelphia, Pa.**

**Nephrolepis Scholzeli (Crested Scott Fern.)**

A sport from Scottii possessing all the merits of that most popular variety but with the pinnae sub-divided giving it a neat crested appearance. 2½-in. pots, \$1.25 per doz.; \$8.00 per 100; \$75.00 per 1000.

**Nephrolepis Whitmanii.**

(The Improved Ostrich Plume Fern)

3-inch pots \$1.25 per dozen; \$8.00 per 100;

**Adiantum Croweanum.**

We are the sole distributors of Mr. Crowe's stock of this valuable fern.

This is not only the best and most profitable Maiden hair to grow for cutting but it is also the best variety to recommend to the retail buyers for house culture, it standing the dry atmosphere of the room better than any variety we have yet tried.

Strong 3-in. pots \$2.00 per doz.; \$15.00 per 100; \$140.00 per 1000.

**Asplenium Nidus Avls (The Bird Nest Fern.)**

A nice thrifty lot in 3-in. pots, 30c each; \$3.00 per doz. 4-in. pots, 40c each; \$4.00 per doz.; 6-in. \$1.00 each.

**Nephrolepis Glatrasii.**

This variety, introduced last fall in a very limited way, has proven to be a gem—especially where a perfect specimen is required in a small size. It will develop beautifully in a three, four or five inch pot, making an ideal plant for many purposes where the other varieties of Nephrolepis are too coarse, and it is also fine for fern dish work when grown in 2½-in. pots. \$2.00 per doz.; \$12.00 per 100; \$100.00 per 1000.

**Ferns in Flats.**

These flats contain about 200 plants each, only one variety being in a flat. We cannot supply less than a full flat of any one sort. Price \$2.00 per flat. Ready now.

Adiantum cucullatum.  
Aspidium Tsussimense.  
Aspidium Tsussimense cristata,  
Cyrtomium falcatum,  
Cyrtomium Fortunei,  
Lastrea Chrysoloba,  
Lastrea Aristata variegata.

Pteris adiantoides.  
Pteris cretica magnifica.  
Pteris cretica Wimsetti multiceps.  
Pteris Wilsoni  
Pteris Ouwardi  
Lomaria ciliata

**Pittsburg.**

**TRADE BETTER.**

Business is fairly good this week, sales picking up a little. Good carnations and roses are very scarce and consequently command pretty good prices. Beauties are moving out nicely. Other stock is going slow at low prices. Some very nice asters are seen in this market. Gladioli are coming in more plentifully.

**NOTES.**

J. Gerwig of J. B. Murdoch Co., was struck with the matrimonial bug recently. Miss Britweiser is the young lady's name.

W. D. Faulk of Homestead has been showing some very artistic windows arranged with water lilies.

John Orth, McKeesport, has the sympathy of the trade in the death of his father, John Orth, Sr.

T. F. Beckert, Neville Isle, is consigning some nice early asters to the McCallum Co.

Allen Langhans of the Pittsburg Cut Flower Co. is planning a trip to Sugar Island.

Geo. McCallum of McCallum Co. is trying his luck at fishing in Conneaut lake.

The South View Floral Co., Carrick, is cutting some good Melody carnations.

John Harris and Peter Harris are spending their vacation in Michigan.

O. F. Beet, who has been with Chas. Eisner, has left that place.

Carl Puhlman, Carnegie, is going to put up some new houses.

H. C. Beuchler of South View Floral Co. is reported very ill.

P. Mair, Woodville, has been cutting quantities of fine lilies. J.

**Cleveland.**

The dry weather is not causing any serious damage in these parts. Sweet peas are getting very short in the stem, but it does not pay to water them as the price they bring does not warrant the expenditure. Outdoor gladioli are coming in; asters are promised for this week. Candidum lilies from storage are selling well. Water lilies are still good sellers. Roses for funeral work are having a fairly good call, nothing much in special stock being on the market. Carnations are going for little or nothing. Asparagus plumosus and A. Sprengeri are overplentiful just now, much of this stock going to waste.

**NOTES**

Chris B. Wilhelmy has begun the erection of a new range of houses and new store at 3610 W. Twenty-fifth street that will be modern and up-to-date.

Tim Smith, of the Smith & Feters Co., is spending a few days at Niagara Falls.

H. Knoble attended the Elks' convention at Detroit the past week.

C. B.

BALTIMORE, MD.—At the bimonthly meeting of the Gardeners' and Florists' Club, held July 11, in the Florists' Exchange, the summer meeting and outing of the Maryland State

**Extra Fine Rose Stock**

|                                   | Per 100 | Per 1000 |
|-----------------------------------|---------|----------|
| 1000 3½-in. <b>Cardinal</b> ..... | \$10.00 | \$90.00  |
| 600 3½-in. <b>Perle</b> .....     | 7.50    | 70.00    |
| 2500 2½-in. <b>Richmond</b> ..... | 5.00    | 45.00    |
| 1000 2½-in. <b>Kaiserin</b> ..... | 3.00    | 25.00    |

**CHRYSANTHEMUMS**

Only the following varieties on hand:  
Oct. Frost, Halliday, Roosevelt, Per 100 Per 1000  
Christmas, Eaton, Schrimpton, \$2.50 \$20.00  
Pompoms—Briola, Klondike, Baby,  
Garza, Zenobia, Diana ..... 2.50 20.00  
Smilax, 3-in. .... \$40.00 per 1000  
Sprengeri, 2-in., ready for shift .... 25.00 per 1000  
**Poehlmann Bros. Co., Morton Grove, Ill.**

Horticultural Society, which will be held at Berlin and Ocean City, July 28 to 29, was the main topic of discussion. Many of the members of the Gardeners' and Florists' Club also belong to the society, and it is expected that many of its members will attend the meeting. Governor Crothers and the officials of the La Plata meeting have been extended an invitation to attend and it is expected that they will be present. Another matter talked over was the convention of the Society of American Florists, which convenes in Rochester from August 16 to 19. Many of the members have made known their intention of attending the convention and it is expected that Maryland will be represented by a large delegation. A number of routine matters were disposed of. The following committee was appointed to investigate the advisability of holding an outing at one of the resorts here before the close of the summer: I. H. Moss, Frederick Bauer and J. Boone. The club will meet again July 25.



astronomy. The believers attempt to explain the great mystery of the deity scientifically. The system is believed to be the beginning of the supreme theocracy expected by all Christians to be made manifest in what is termed the "second advent."



# "The Palms You Shipped Us Arrived in Good Condition and They Are Excellent Plants"

These are the words of one of our customers in acknowledging recently the receipt of a shipment of Palms. To emphasize their approval, they enclosed with the above letter an order more than twice as large as the first one.

It was welcome news to us, and it has a big and important meaning for you too.

Heacock's Palms please our trade because they are so unusually good; they will please your customers for exactly the same reason. When they come to you for palms, you can give them quality and the full worth of their money by supplying them with Heacock's Palms.

A trial order will convince you, and will show how you, like this customer and scores of others, can make a handsome profit from a Palm Department. Look over the following list, then put an order up to us—give us a chance to prove the quality of our stock.

## ARECA LUTESCENS

6-in. pot, 3 plants in pot, 26 to 28-in. high, Each \$1.00 8-in. pot, 3 plants in pot, 36-in. high, Each.....\$2.50  
7-in. pot, 3 plants in pot, 30 to 32-in. high " 2.00 8-in. pot, 3 plants in pot, 42-in. high, " ..... 3.00

## KENTIA BELMOREANA

Doz. 100

5-in. pot, 6-7 leaves, 18-in. high, .....\$6.00 \$50.00  
6-in. pot, 6-7 leaves, 22-24-in. high, each \$1.00; doz. \$12;  
9-in. tub, 6-7 leaves, 42-48-in. high, each \$5.00;  
2-in. tub, 6-7 leaves, 48-54-in. high, ca. 6.00

## COCOS WEDDELIANA

2½-in. pot, 8-10-in. high, per 100, \$10.00.

## MADE-UP KENTIA FORSTERIANA

Each

7-in. tub, 4 plants in tub, 36-in. high.....\$2.50  
9-in. tub, 4 plants in tub, 42-48-in. high 4.00

## PHOENIX ROEBELENI

Each

5-in. pot, nicely characterized,.....\$1.00  
6-in. pot, " " ..... 1.50

"When in Philadelphia be sure to look us up."

JOSEPH HEACOCK COMPANY, Wyncote, Pa.



## Chrysanthemum Plants

From 2½-in. Pots.

| WHITE              |         |         |
|--------------------|---------|---------|
|                    | Per 100 | 1000    |
| Oct. Frost.....    | \$2.00  | \$15.00 |
| White Cloud.....   | 2.00    | 15.00   |
| Kalb.....          | 2.00    | 15.00   |
| YELLOW             |         |         |
| Monrovia.....      | 2.00    | 15.00   |
| Oct. Sunshine..... | 2.00    | 15.00   |
| Appleton.....      | 2.00    | 15.00   |
| Halliday.....      | 2.00    | 15.00   |

J. D. THOMPSON CARNATION CO.,  
JOLIET, ILL.

## California Reliable Bulb Company

LEEDHAM'S HOME-GROWN BULBS are better and cheaper than imported stock.

When you order our bulbs, you get just what you order of strong, vigorous and healthy bulbs.

### NOTE THESE PRICES:

| Per 1000           | Per 1000                  |
|--------------------|---------------------------|
| Stella.....\$ 2.00 | Double Von Sion...\$10.00 |
| Figaro..... 2.00   | Sir Watkin..... 10.00     |
| Cynosure..... 2.00 | Emperor..... 12.00        |
| Princes..... 10.00 | Paper White..... 8.00     |
| Empress..... 10.00 | Grand Monarque... 2.00    |

Order now or send for complete wholesale price list.

THE LEEDHAM BULB CO., Santa Cruz, California.



## Primula Obconica

Gigantea, Grandiflora and Rosea Varieties.

2 in., ready about August 1st to 15th \$2.00 per 100.  
Cash with order.

## Chinese Primroses

Mixed, ready about Aug. 1st to 15th \$2.00 per 100.  
Cash with order.

## ASPARAGUS SPRENGERI

Strong 2-in., \$1.50 per 100. Cash with order.

## WOOLSEY,

The Florist,

ROCKFORD, ILL.

IF YOU SAW IT IN

# THE FLORIST

SAY SO IN YOUR NEXT ORDER.

## TRADE LIST

Clematis, paniculata, strong plants, \$10.00 per 100;

Passiflora coerulea, 3-in. pots \$5.00 per 100.

Rose Geraniums, 3-in. pots, \$4.00 per 100.

Plants from 2½-in. pots, \$3.00 per 100;

Chrysanthemums, White Cloud Pacific Supreme, Golden Glow, Ivory, Bailey, Klondike, Lulu.

Asparagus Sprengeri, 2-in. pots, \$2.00 per 100;

2½-in. pots, \$3.00 per 100.

Salvia, Bonfire 3-in. pots, \$3.00 per 100.

Begonia Vernon in bloom, 3-in. pots, \$5.00 per 100.

Asparagus Sprengeri, strong plants from 3-in. pots \$5.00 per 100.

Poinsettias, 3-in. pots, \$5.00 per 100.

## C. EISELE,

11th and Westmoreland Sts. Philadelphia, Pa.

Send Advertisements Early for Best Results.

## Robert Craig Co...

### HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

HAZELTON, PA.—Geo. B. Markle will shortly let a contract for the erection of a \$4,000 greenhouse on his farm in Sugarloaf. He contemplates engaging in the culture of flowers on a large scale. A cement root cellar 12x90 feet will also be built.

GLOVERSVILLE, N. Y.—The greenhouse property belonging to Geo. Main and located on North and North School streets, has been sold to Henry McLean, who will divide it into lots for the erection of houses. Mr. Main intends to close out his stock of plants and shrubs and go to Washington, D. C.



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**The Florists' Market Place,  
Our Ready Reference Ad. Dept.**

## King Iron Frame Greenhouses

"Ask the Man Who Has One."

Robert Scott & Son, who have a range of King Iron Frame Houses, write as follows:

SHARON HILL, PA., Feb. 7, 1910.

Gentlemen:—

I am very much pleased with the five houses of the King Iron Frame Construction that we put up last fall. They are strong and light and we think so well of them that when we build again that is the construction we shall use. We are planting this section in concrete solid beds and if you are near Philadelphia in May and you can call on us, we think you will tell us that it is a good advertisement for your Iron Frame Construction in this part of the country.

Yours very truly,

ROBERT SCOTT & SON, (Signed)  
Alexander B. Scott.

Messrs. Scott & Son have recently placed with us an order for another large addition to their plant.

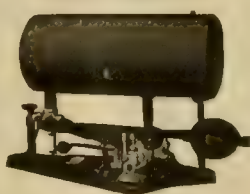
Send for Bulletin No. 35 which describes

**The King Iron Frame Construction.**

**KING CONSTRUCTION CO., North Tonawanda, N. Y.**

## Have You Ever—

Talked with a brother florist who uses Morehead Return Steam Traps? If not, do so at first opportunity and be convinced that you must install one at once.



30 Days Free Trial.

There are more MOREHEAD TRAPS installed in greenhouses than of all other makes of steam traps combined. The Morehead is distinctly a florist's trap. Every feature of its construction has been treated with a view of meeting the special needs of the florist.

Write today and ask for "Trap Book."

**MOREHEAD MFG. CO., Department "N" Detroit, Mich.**

## "GREENHOUSE MATERIAL"

300,000 feet of Standard Pipe, all sizes, will be cut to any length.

## BUILDING MATERIALS AND SUPPLIES

Marvelous bargains in Greenhouse Sash and Building Material of all kinds. Corrugated Roofing and Siding, Structural Iron, Gutters, Eave Spouts, Hydrants and Valves, 10,000 feet Rubber Hose, Soil Pipe, Plumbing Material of all kinds. Feed Pumps, Flower Pots, etc. Thousands of other articles of interest to Florists or Greenhousemen. We can save you from 30% to 75%.

Send for our new 500-page Catalog No. 47. Free upon request.

CHICAGO HOUSE WRECKING CO.,

35th and Iron Sts., Chicago.

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PRICE \$3 00

Giving all the  
Country's

**Florists  
Seedsman  
Nurserymen**

Gorham & Chapline  
Printery Inc. CATALOGUES  
PRICE LISTS.

HALFTONES, ENGRAVINGS and  
PRINTING FOR FLORISTS.

358 Dearborn Street, CHICAGO.

The Regan Printing House  
LARGE RUNS OF  
CATALOGUES

OUR SPECIALTY  
WRITE FOR FIGURES.

91 Plymouth Place, CHICAGO



# Ready Reference Section.

10 CENTS PER LINE, NET.



## ALYSSUM.

Alyssum, dwf. and giant, 3-in., \$3 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

## ALTERNANTHERAS.

Alternantheras, strong rooted cuttings. P. major, red, 50c per 100; \$4 per 1,000. A. mana, yellow, 50c per 100; \$4 per 1,000; Brilliantissima, best red, 60c per 100; \$5 per 1,000. R. R. Davis & Co., Morrison, Ill.

Alternantheras, red and yellow, \$2 per 100. Jos. H. Cunningham, Delaware, O.

## ASPARAGUS.

Asparagus plumosus, 2-in., \$3 per 100; 3-in., \$1.50 per doz.; \$7 per 100; 4-in., \$1.50 per doz. Sprengerl, 2-in., \$2.50 per 100; 3-in., \$1 per doz.; \$6 per 100; 4-in., \$1.25 per doz.; \$10 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

Asparagus Plumosus Nanus, 2½-in., strong, \$3 per 100; \$27.50 per 1,000. Asparagus Sprengerl, strong, \$2.50 per 100; \$22.50 per 1,000. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia, Pa.

Asparagus Sprengerl, 2-in., \$2 per 100; 2½-in., \$3; 3-in., \$5. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

ASPARAGUS SPRENGERI, extra heavy, 3¼-in., \$4 per 100. Wagner Park Conservatories, Sidney, Ohio.

Asparagus Sprengerl, 4-in., 9c each. Plumosus, 2½-in., \$3 per 100; \$27.50 per 1,000. Mosback Greenhouse Co., Onarga, Ill.

Asparagus Sprengerl, 2½-in., \$2 per 100; Plumosus, 2½-in., \$2. Jos. H. Cunningham, Delaware, O.

Asparagus Sprengerl, 3-in., \$4 per 100. E. G. Hill Co., Richmond, Ind.

Asparagus Sprengerl, \$15 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus Sprengerl, 2-in., \$25 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus Sprengerl, 2-in., \$1.50 per 100. Woolsey, Florist, Rockford, Ill.

## ARAUCARIAS.

Araucarias. For prices and varieties see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

## ASTERS.

Asters, \$1.75 per 1,000; 5,000, \$7.50. J. C. Schmidt, Bristol, Pa.

## AZALEAS.

Azaleas. Jacs Smits, Naarden, Holland.

## BAY TREES.

Bay trees. For prices and sizes, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago & New York.

BAY TREES, all sizes of best quality. Write for prices. Wagner Park Conservatories, Sidney, Ohio.

Bay trees, standard, 7 ft., \$8 per pair. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Bay trees, Bobbink & Atkins, Rutherford, N. J.

## BEGONIAS.

Begonia Gloire de Lorraine, extra fine strong plants, 2½-in., \$15 per 100; \$140 per 1,000; 3-in., \$25 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia, Pa.

Begonia Gloire de Lorraine, 2½-in., \$15 per 100; \$140 per 1,000. Vaughan's Seed Store, Chicago and New York.

Begonia Lorraine, 2½-in., twice transplanted, \$12 per 100; in 500 lots, \$50 the 500. Julius Roehrs Co., Rutherford, N. J.

Begonias, Gloire de Lorraine, 4-in., 25c; Lonsdale, 4-in., 25c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia, Glory of Cincinnati. J. A. Peterson, Westwood, Cincinnati, O.

Begonia Vernon, 3-in., \$5 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Rex Begonias, 2-in., \$5 per 100. Geo. M. Emmons, Newton, N. J.

## BOXWOOD.

Box trees. For prices and sizes, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Box trees, all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

Boxwood, Bobbink & Atkins, Rutherford, N. J.

## BULBS.

Bulbs, Narcissus per 1,000: Stella, \$2; Figaro, \$2; Cynosure, \$2; Princeps, \$10; Empress, \$10; Dbl. Von Sion, \$10; Sir Watkin, \$10; Emperor, \$12; Paper White, \$8; Grand Monarque, \$8. The Leedham Bulb Co., Santa Cruz, Calif.

Bulbs, Lillium Harrisii, 6-7, 350 to case, \$17.50 per case; \$6 per 100; 7-9, 200 to case, \$18 per case; \$10 per 100; 9-11, 100 to case, \$20 per case; \$25 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, Lillium Harrisii, 5-7-in., \$40 per 1,000; 6-7-in., \$60; 7-9-in., \$85. California freesias, ¼ to ¾-in., \$9 per 1,000; ¾ to 1½-in., \$7.50. Vaughan's Seed Store, Chicago and New York.

Bulbs, Lillium longiflorum multi., 7-9, \$50 per 1,000. Giganteum, 7-9, \$65. Formosum, 7-9, \$65. Buds. 76 Barclay St., New York.

Chinese sacred lilies, \$3 per 100; \$25 per 1,000. Dingee & Conard Co., West Grove, Pa.

Bulbs, French hyacinths, narcissus, freesias, Soleillet, Horticulteur, Toulon, France.

Bulbs, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, all florists' varieties. H. E. Flske Seed Co., Faneuil Hall Square, Boston.

Bulbs, Callas. Berrydale Exp. Gardens, Holland, Mich.

## CACTI.

Cacti. Over 100 varieties of cacti, from \$7 per 100 up. Write for 28-page catalogue and prices to the trade. Also Mexican Resurrection plants. The Francis E. Lester Company, Dept. 7, Mesilla Park, N. M.

## CANNAS.

Cannas, King Humbert, Alp. Bouvier, Eganale, F. Vaughan, Jean Tissott, Louisiana, Pennsylvania, Pres. Myers, R. Wallace, etc. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Cannas, Richard Wallace, J. D. Eisele, 4-in., \$7 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

## CARNATIONS.

### FIELD-GROWN CARNATION PLANTS.

Ready about August 15.

|                             | Per 100. | Per 1,000. |
|-----------------------------|----------|------------|
| 4,000 Beacon                | \$7.00   | \$60.00    |
| 4,000 White Enchantress     | 7.00     | 60.00      |
| 5,000 Enchantress           | 6.00     | 50.00      |
| 6,000 White Perfection      | 6.00     | 50.00      |
| 4,000 Rose Pink Enchantress | 6.00     | 50.00      |
| 2,000 Victory               | 6.00     | 50.00      |
| 2,000 Lady Bountiful        | 6.00     | 50.00      |
| 2,000 Lawson-Enchantress    | 6.00     | 50.00      |

These plants are strong and healthy, and by the 10th or middle of August will be in EXCELLENT condition for benching. All orders will be filled strictly in rotation and will give satisfaction.

SKIDELSKY & IRWIN CO.

1215 Betz Bldg., Philadelphia, Pa.

Carnations, leading varieties. H. P. Kleinhans, Easton, Pa.

Carnations, W. Enchantress, W. Perfection, R. P. Enchantress, Enchantress, Victory Wionna, Lawson-Enchantress, Winsor, Beacon, \$6 per 100; \$50 per 1,000. W. Sabransky, Kenton, O.

Carnation Alvina, 10-20 shoots, \$10 per 100; 5-10 shoots, \$7.50; Henry Eichholz, Waynesboro, Pa.

Carnations, field-grown, August 1, Apple Blossom, Wanoka, \$6 per 100; \$50 per 1,000. Wanoka Greenhouse, Barneveld, N. Y.

Carnations, Conquest, Sangamo, Mary Tolman, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., Joliet, Ill.

Carnations. F. Dorner & Sons Co., Lafayette, Ind.

Carnations. Wood Bros., Fishkill, N. Y.

## CHRYSANTHEMUMS.

### CHRYSANTHEMUMS.

| R. C. out of soil. | Yellow.         | Per 100 |
|--------------------|-----------------|---------|
| White.             | G. Glow         | 4.00    |
| Oct. Frost         | Pink.           |         |
| W. Bonnafton       | P. Ivory        | 2.00    |
| W. Ivory           | Red.            |         |
| Snow Queen         | B. Hawk         | 2.00    |
|                    | 2-inch pots.    |         |
| Yellow.            | R. Halliday     | 3.00    |
| Bonnafton          | Snow Queen      | 3.00    |
| R. Halliday        | Sour. de Scand- |         |
| G. Beauty          | laris           | 3.00    |

### TOPPED PLANTS FOR POT CULTURE.

|                 | 100    |                 | 100    |
|-----------------|--------|-----------------|--------|
| W. Ivory.....   | \$2.00 | Roslere .....   | \$2.00 |
| Oct. Frost..... | 2.00   | P. Ivory .....  | 2.00   |
| W. Bonnafton .. | 2.00   | W. Chadwick...  | 2.00   |
| M. Xmas .....   | 2.00   | G. Beauty ..... | 2.00   |
| Bonnafton ..... | 2.00   | B. Hawk .....   | 2.00   |
| G. Glow .....   | 2.00   | Intensity ..... | 2.00   |

### 2-IN. POT POMPONS.

|               |        |
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| Baby Margaret | \$3.00 |
| Baby          | 3.00   |
| Klondike      | 3.00   |
| Lulu          | 3.00   |

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51 Wabash Ave. Chicago.

THE BIG LEADERS. Pres. Taft (glistening curly white); Gloria (the Enchantress); Mrs. W. E. Kelley (yellow); also the Xmas dollar makers, J. Rosette and Golden Chadwick, plants, \$4; R. C. \$3. Frost, Early Snow, Touset, B. May, Nonin, Shaw, Enguehard, plants, \$2.50; R. C., \$1.50. Prime stock, guaranteed. Cash only. The Union City Greenhouses, Union City, Pa.

Chrysanthemums, Oct. Frost, Halliday, Roosevelt, Christmas, Eaton, Schrimpton, \$2.50 per 100; \$20 per 1,000. Pompons: Briola, Klondike, Baby, Garza, Zenobia, Diana, \$2.50 per 100; \$20 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Chrysanthemums, 2½-in.: Oct. Frost, W. Cloud, Monrovia, Oct. Sunshine, Appleton, Haliday, \$2 per 100; \$15 per 1,000. Y. Eaton, \$2.50 per 100; \$20 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Chrysanthemums, White Cloud, P. Supreme, G. Glow, Ivory, Bailey, Klondike, Lulu, 2½-in., \$3 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Chrysanthemums, Oct. Frost, Mme. Desjouis, Gloria, Intensity, W. H. Chadwick, Golden Chadwick, M. Bailey, Cremona, Monrovia, \$2.50 per 100. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums. We have 75 varieties, including singles and pompons, \$15 per 1,000. "Enough Sed." Ehman's, Corfu, N. Y.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

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Clematis *pauciflora*, \$10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

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Cyclamens, 2-in., \$3.50 per 100; 3-in., \$1 per doz.; 7 per 100; 4-in., \$2 per doz.; \$15 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

Cyclamen *Persicum* Giganteum, large flowering, mixed colors, fine bushy stock, 4-in., \$10 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

Cyclamen Giganteum, 3-in., \$7 per 100; 4-in., \$15. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia, Pa.

Cyclamen, 2-in., \$3.50 per 100; 3-in., \$1 per 100. Nutt, \$10 per 1,000. A. M. Herr, Lancaster, Pa.

**DAHLIAS,**

Dahlia Earl of Pembroke, \$4 per 100; field-grown, undivided roots. Order today. Wagner Park Conservatories, Sidney, O.

Dahlia roots. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Dahlias, Pape & Bergman, Quedlinburg, Germany.

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Dracena *indivisa*, 4-in., \$10 per 100. Geo. M. Emmans, Newton, N. J.

Dracenas. Bobbink & Atkins, Rutherford, N. J.

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Over million and a half of Fern Seedlings. Strong, healthy stock now ready for potting. Assortment of 15 best varieties for fern dish filling, my selection, \$1 per 100; \$9.50 per 1,000; \$8.50 per 1,000 in 25,000 and \$8 per 1,000 in 50,000 lots. Small orders of 100 and 200 can be sent by mail if desired and postage of 10c per 100 is remitted. Satisfaction and safe arrival guaranteed or money refunded. Cibotium Schiedel, 2-in., \$3.25 per doz.; \$25 per 100; \$240 per 1,000; 6-in., \$1, and 6-in., \$1.75 each. Adiantum cuneatum, best maidenhair fern for cut fronds, 2½-in., \$3.50 per 100; \$30 per 1,000. Assorted ferns for fern dishes, 2½-in., \$3 per 100; \$25 per 1,000. J. F. ANDERSON, Fern Specialist, Short Hills, N. J.

Ferns, Boston, 2½-in., \$1.50 per 100; 4-in., \$2 per doz.; \$15 per 100; 5-in., \$3 per doz.; \$25 per 100. Whitman, 2½-in., \$5 per 100; 4-in., \$2 per doz.; \$15 per 100; 5-in., \$3 per doz.; \$25 per 100. Assorted for dishes, 2-in., \$3 per doz. D. U. Augspurger & Sons Co., Peoria, Ill.

Ferns, Elegantiissima, improved, 6-in., 50c; Specimen, 8-in. ferns, \$1 each; 2½-in., \$10 per 100. Elegantiissima Compacta, 4-in., 25c; 6-in., 50c; 2½-in., \$10 per 100. Superbissima, 4-in., 25c; Specimens, 8-in., pans, \$1. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, Scotti, Whitman, Scholz, 4-in., 25c; 5, 5½ and 6-in., 35c, 40c, 50c. Ferns for dishes, 2½-in., \$3 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, Whitman, 3-in., 6c; 4-in., \$1.50 per doz. Superbissima, 4-in., 15c; 6-in., 25c each. W. W. Coles, Kokomo, Ind.

Neph. Glatrasii, 2½-in., \$2 per doz.; \$12 per 100; \$100 per 1,000. Geo. Glatras, 463 Summit Ave., West Hoboken, N. J.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Ferns, Boston, 2½-in., 4c; Pierson, 3-in., 8c; Boston and Elegantiissima, mixed, 3-in., 8c to close out. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Oechslin, 4911 Quincy St., Chicago.

Ferns, Whitman, 2½-in., \$5 per 100; \$40 per 1,000. Neph. Magnifica, 2½-in., \$15 per 100. H. H. Barrows & Son, Whitman, Mass.

Ferns, Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

**FEVERFEW.**

Feverfew, 2½-in., \$1.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

**GERANIUMS.**

Geraniums, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., \$1.25; 2-in., \$2; 3-in., \$4 per 100. Viaud, Castellane, Poitevine, Jaulin, Richard, Buchner, R. C., \$1.50; 2-in., \$2.50; 3-in., \$5 per 100. Mme. Sallerol, 2-in., \$3 per 100. G. M. Emmans, Newton, N. J.

SPECIAL OFFER, 15,000 Jean Viaud, from 2½-in. pots, stock strictly first-class; immediate delivery, \$1.50 per 100; \$14 per 1,000. Cash. The W. T. Buckley Co., Springfield, Ill.

Geraniums, strong, 2-in. stock, Heteranthe, Nutt, Jean Viaud, La Favorite, L'Aube, Hill, \$2 per 100; \$18 per 1,000. Our selection, \$17 per 1,000. Pamela, \$4 per 100. Anastase Legendre, \$3 per 100. Red Wing, the best novelty of the season, 25c each; \$2.50 per doz. Write for geranium catalogue. F. H. DeWitt & Co., Wooster, Ohio.

Rose geraniums, 3-in., \$4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Rose scented geraniums, \$1 per 100; \$9 per 1,000. S. W. Carey, Urbana, O.

**GREENS.**

Greens, fancy and dagger ferns, \$1.25 per 1,000. Galax, bronze and green, \$1.25 per 1,000; 10,000, \$7.50. Sphagnum Moss, large bales, \$1.25; Leucothoe Sprays, \$1 per 100; 1,000, \$7.50. Boxwood, 35c per bunch, 50 lbs., \$8.50. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, dagger and fancy ferns, \$1 per 1,000. Bronze and green galax, \$1 per 1,000. Leucothoe sprays, \$1 per 100; \$7.50 per 1,000. Southern wild smilax, branch laurel, laurel festooning, green and sphagnum moss, boxwood sprays. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, southern wild smilax, Log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cottons & Co., 33 W. 28th St., New York.

Greens, cut palmetto and cycas leaves, galax, leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

**HARDY PLANTS.**

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

German iris, 50 vars., \$6 per 100. Japan iris, 10 vars., \$8 per 100. Bobbink & Atkins, Rutherford, N. J.

**HELIOTROPES.**

Heliotrope, 2½-in., \$2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Heliotrope, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

**HYDRANGEAS.**

Hydrangea *Arborescens* Grandiflora Alba. We have the largest stock of strong 2 and 3-year-old plants in America, at attractive prices. Inspection of stock desired. E. Y. Teas, Centerville, Ind.

**IVY.**

English ivy, 3-in., 5c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

**JERUSALEM CHERRIES.**

Jerusalem cherries, 2-in., \$3 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

**LILACS.**

Lilacs. Jacobs Smits, Ltd., Naarden, Holland.

**LILY OF THE VALLEY.****To Import.**

Lily of the valley. Jacobs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

**From Storage.**

Lily of the Valley, cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley, cold storage, \$12.50 per 1,000. Buds, 76 Barclay St., New York.

**LOBELIA.**

Lobelia *Speciosa* and Bedding Queen, 2½-in., \$1.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Blue lobelia, \$1 per 100; \$9 per 1,000. S. W. Carey, Urbana, O.

**MUSHROOM SPAWN.**

Mushroom Spaw. Lambert's Pure Culture. American Spaw Co., St. Paul, Minn.

Mushroom Spaw. Sure crop, \$3 per 100 lbs. Weeber & Don, 114 Chambers St., N. Y.

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Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacobs Smits, Ltd., Naarden, Holland.

Nursery stock, ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, evergreens, shade and ornamental trees, shrubs, vines, trained dwarf and standard fruit trees, grape vines, small fruits. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, conifers, boxwoods, azaleas, rhododendrons, forest and fruit trees, hedge plants, etc. S. A. Vosters & Sons, Riel, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock arbor vitae (*Thuja occidentalis*), 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

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Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England, New York office, room 721, 238 Broadway.

Orchids, all commercial, cattleyas and novelties. Carillo & Baldwin, Secaucus, N. J.

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Orchids, leading kinds. Gretsche & Ordenez Bros., 52 W. 28th St., New York.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids. Chas. H. Totty, Madison, N. J.

**PALMS.**

Palms, Cocos Wedd., 2½-in., \$2 per doz.; \$15 per 100. Kentia Fors., 7-in., 34-36 ins., \$3.50 each; made up, 32 to 34 ins., \$3 each; 36 to 40 ins., \$4. Kentia Bel., 7 in., 34-36 ins., \$4 each; 7-in., 28-30 ins., \$3; 6-in., 26-28 ins., \$1.75; 4-in., 35c each; \$35 per 100; 2½-in., \$10 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

Palms, Kentia Fors., 6-in., 30 to 45 ins., 75c to \$2.50 each. Kentia Bel., 25 to 40 ins., 5 to 7 in., 50c to \$2 each; 2½ to 3-in., 10c. Sago, 6 to 8-in., 10c per leaf. Cocos Wedd., 3-in., 18c to 20c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Kentias. Joseph Heacock Co., Wyncote, Pa.

Palms. John Scott, Rutland Rd., and E. 45th St., Brooklyn, N. Y.

Palms. Bobbink & Atkins, Rutherford, N. J.

**PANDANUS.**

Pandanus *Veitchii*, 3-in., \$3.50 per doz. D. U. Augspurger & Sons Co., Peoria, Ill.

**PEONIES.**

PEONIES. All best standard varieties, \$6 to \$12 per 100; mixed varieties, \$4 per 100. Order now. Stock will be reserved. Wagner Park Conservatories, Sidney, O.

Peonies, all vars., Jacobs Smits, Ltd., Naarden, Holland.

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Peonies only by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

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Celestial peppers, 2-in., \$3 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

**PETUNIAS.**

Petunias, 3-in., \$5 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

**PRIMULAS.**

Primulas from 2-in. pots, frame grown, no better strains in existence. *Chinensis*, the best giant fringed, 8 separate colors or mixed, 2c. *Obconica grandiflora*, Rousdorfer's and Lattmann's unrivalled hybrids, 14 colors or mixed, 2c. *Obconica Gigantea*, 3 colors or mixed, 3c. J. L. Schiller, Toledo O.

Primula *obconica*. Rousdorfer hybrid, 2½-in., \$3 per 100; \$25 per 1,000. Chinese primroses, 2½-in., \$3 per 100; \$25 per 1,000. Frank Oechslin, 4911 Quincy St., Chicago.

Primula *obconica*, gigantea *grandi* and *rosea*, 2-in., \$2 per 100. Chinese, mixed 2-in., \$2. Woolsey, Florist, Rockford, Ill.

Primroses, Chinese and Forbesi, \$2. *Obconica alba* and *rosea*, \$2; *obconica gigantea*, \$3. Jos. H. Cunningham, Delaware, O.

Primroses, Chinese, 2-in., \$3 per 100. *Obconica*, 3-in., \$7. D. U. Augspurger & Sons Co., Peoria, Ill.

Primroses, Chinese, 2-in., \$2 per 100. Forbesi, 2-in., \$2. Byer Bros., Chambersburg, Pa.

Primula *obconica*, 4-in., 10c; 5-in., 15c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

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**POINSETTIAS.**

Poinsettias, 3-in., \$5 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Poinsettias, 2-in., \$5 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

Poinsettias, 3-in., \$6 per 100; 2½-in., \$4. E. G. Hill Co., Richmond, Ind.

Poinsettias, 2½-in., \$5 per 100; \$45 per 1,000. Frank Oechsle, 4911 Quincy St., Chicago.

**PRIVET.**

Privet, California, 1 and 2-year plants. Chas. Black, Hightstown, N. J.

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Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

**RESURRECTION PLANTS.**

Resurrection Plants.—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis E. Lester Company, Dept. 7, Mesilla Park, N. M.

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ROSE PLANTS, 2½-INCH POTS.

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| Kaiserin                 | 100 | 1,000 |
| Mrs. Jardine             | 4   | 35    |
| Bridesmaid               | 3   | 25    |
| Richmond                 | 3   | 25    |
| American Beauty          | 5   | 45    |
| American Beauty, 3 inch. | 6   | 55    |

WIETOR BROS., Chicago.

ROSES, 2-in., on own roots, Wellesley, Frances E. Willard, La Detroit, Ben R. Cant, Burbank, M. Neil, Souv. de P. Notting, Apricot, Marie Lambert, Mrs. De Graw, Clothilde Soupert, \$2.50 per 100; \$22 per 1,000. Veilchenblau (violet blue) novelty, heavy 2-year stock, 90c; \$9 per doz. Wagner Park Conservatories, Sidney, O.

Extra fine rose stock: 1,000 3½-in., Cardinal, \$10 per 100; \$90 per 1,000; 600 3½-in. Perles, \$7.50 per 100; \$70 per 1,000; 2,500 2½-in. Richmond, \$5 per 100; \$45 per 1,000; 1,000 2½-in. Kaiserins, \$3 per 100; \$25 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Own root Bride, Bridesmaid, Chateauf, Golden Gate, Kaiserin, \$6 per 100. Grafted. White Killarney, \$14 per 100. P. R. Quinlan, Syracuse, N. Y.

Roses, Crimson Rambler, 7-8 in., 75c to \$1.50 each. Dorothy Perkins, 5½ and 6-in., 35c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Roses. For varieties and prices see advertisement on front cover page. Vaughan's Seed Store, P. O. Drawer V, Chicago.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Perles, Maids, Brides, Richmonds, fine 3-in., strong, healthy stock, \$5 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Roses, Newport Fairy, 50c each; \$20 per 100. Julius Roehrs Co., Rutherford, N. J.

New Rambler (violet blue). Ellwanger & Barry, Rochester, N. Y.

Roses a specialty. Dingee & Conard Co., West Grove, Pa.

Roses, 5,000 Am. Beauty, 12c; 2,000 Maid, 6c. Brant-Hentz Flower Co., Madison, N. J.

Roses, hybrid perpetuals and Ramblers. Jackson & Perkins Co., Newark, N. Y.

Roses, leading varieties. Leedle Floral Co., Springfield, O.

Rose Veilchenblau, \$6 per 100; \$50 per 1,000. E. G. Hill Co., Richmond, Ind.

Roses, 3-in. Wood Bros., Fishkill, N. Y.

Roses. Chas. H. Totty, Madison, N. J.

**SALVIAS.**

Salvia Bonfire, 3-in., \$3 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Salvias, 2½-in., \$2 per 100. Mosback Greenhouse Co., Onarga, Ill.

**SEEDS.**

Seeds, onions, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seeds, Asters, Mignonette, Begonia Vernon, Cineraria, Primula Chinensis, Obconica, Salvia Bonfire and Splendens, Verbenas, Cyclamen and Pansy. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, Vaughan's giant pansies. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Seeds, the Kenilworth Strain of giant pansies. For varieties and prices, see advertisement elsewhere in this issue. Chas. Frost, Kenilworth, N. J.

Seeds, specialties. Stocks, pansies, cyclamens, etc. Pape & Bergmann, Quedlinburg, Germany.

Seed, pansy, 3,000 seeds, \$1; ¼ oz., \$1.50; ½ oz., \$2.50; oz., \$5; ¼ lb., \$14; ½ lb., \$25; lb., \$50. Peter Brown, Lancaster, Pa.

Seeds, Phoenix Roebeleni. Sander, T. Mellstrom, Representative, 235 Broadway, New York.

The Best Seeds for Dealers, Truckers, Plant Growers. Get price list from Francis Brill, Grower, Hempstead, N. Y.

Seeds, dwarf Cauliflower and Danish Ballhead cabbage. L. Daehnfeldt, Odense, Denmark.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seed, pansy, 1,000 seeds, 25c; 1 oz., \$2.25. H. Wrede, Luneburg, Germany.

Seeds, natural grass, clover and tree seeds. Conrad Appel, Darmstadt, Germany.

Seed, pansy, giant, oz., \$4. Jos. H. Cunningham, Delaware, O.

Seeds of all kinds. H. E. Fiske Seed Co., Boston.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds. Landreth Seed Establishment, Bloomdale Farms, Bristol, Pa.

Seeds, pansies of all kinds. Scranton Florist Supply Co., Scranton, Pa.

Seeds, Vick's Quality. James Vick's Sons, Rochester, N. Y.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds, flower of all kinds. O. V. Zangen, Hoboken, N. J.

Seeds, cineraria, mixed, tr. pkt., \$1. Weeber & Don, 114 Chambers St., New York.

Seeds, Stokes' standards. 219 Market St., Philadelphia.

**Contract Growers.**

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons, Gardena, Calif.

Seeds, beans, cucumber, tomato, radish, pea, muskmelon, squash, watermelon; sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbena. Waldo Rohnert, Gilroy, Calif.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Mette, Quedlinburg, Germany.

Seeds, growers for the wholesale trade only. Braslan Seed Growers' Co., San Jose, Calif.

Seeds, field, garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, sweet peas. Anton Zvolanek, Boundbrook, N. J.

**SMILAX.**

Smilax, strong, 2½-in., \$1.75 per 100; \$15 per 1,000. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia, Pa.

Smilax, 3-in., \$40 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, 2-in., \$3 per 100. D. U. Augspurger & Sons Co., Peoria, Ill.

Smilax from 2-in. pots, \$1.75 per 100; \$15 per 1,000. J. L. Schiller, Toledo, O.

Smilax, \$10 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax, 2½-in., \$1 per 100. Jos. H. Cunningham, Delaware, O.

Smilax, 2-in., \$2 per 100. E. G. Hill Co., Richmond, Ind.

Smilax. Wood Bros., Fishkill, N. Y.

**SPIREAS.**

Spireas. J. Smits, Ltd., Naarden, Holland.

**STEVIA.**

Stevia, R. C., 75c per 100; \$6 per 1,000. Byer Bros., Chambersburg, Pa.

**STOVE PLANTS.**

Stove plants and crotons. Finest collection. Julius Roehrs Co., Rutherford, N. J.

**SWAINSONAS.**

Swainsona alba, 3-in., \$3 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

**VEGETABLE PLANTS.**

Cabbage in any quantity; Sure Head, Premium, Flat Dutch, Autumn King and Danish Ball Head, \$1 per 1,000; \$8 per 10,000. These are in excellent shape, every one a plant. I can ship by Adams, Wells-Fargo, United States, and Southern Express. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Vegetable plants: Cabbage. All Head, Succession, Second Early, Early Summer, Flat Dutch, Surehead, Danish Round and Ballhead, 20c per 100; \$1 per 1,000. Celery: White Plume, Golden Self Blanching, Giant Pascal, Golden Heart, Boston Market, 20c per 100; \$1 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Vegetable plants, cabbage, celery, peppers, sweet potatoes, Brussels sprouts and celeriac, \$1 per 1,000; 5,000, \$4; 10,000, \$7.50. J. C. Schmidt, Bristol, Pa.

Cabbage plants, Wakefield, Early Summer, All Head, All Seasons and Hollanders, \$1 per 1,000. J. L. Johnson, De Kalb, Ill.

**VINCAS.**

Vinca minor, the hardy vinca for cemetery planting and under trees, where grass will not grow; well rooted layers, \$1.50 per 100; \$10 per 1,000. E. Y. Teas, Centerville, Ind.

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Allen, J. K., 106 W. 28th St., New York.

Amling, E. C., 32-36 Randolph St., Chicago.

Berning, H. G., 1402 Pine St., St. Louis.

Deamud Co., J. B., 51 Wabash Ave., Chicago.

Ford, M. C., 121 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Gretsch & Ordenez Bros., 52 W. 28th St., New York.

Guttman, Alex. J., 34 W. 28th St., New York.

Hoerber Bros., 51 Wabash Ave., Chicago.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kasting Co., W. F., Buffalo, N. Y.

Kennicott Bros. Co., 48-50 Wabash Ave., Chicago.

Kessler Bros., 450 6th Ave., New York.

Kruchten, John, 51 Wabash Ave., Chicago.

Kuehn, C. A., 1122 Pine St., St. Louis.

Kyle & Foerster, 51 Wabash Ave., Chicago.

Langjahr, A. H., 55 W. 28th St., New York.

McCallum Co., Inc., Pittsburg, Pa.

McCullough's Sons Co., 316 Walnut St., Cincinnati.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

Millang, Aug., 41 W. 28th St., New York.

Moore, Hentz & Nash, 55 W. 26th St., New York.

Munk Floral Co., Columbus, O.

Murphy, Wm., 11 Main St., Cincinnati, O.

N. Y. Cut Flower Exchange, Coogan Bldg., New York.

Niessen Co., The Leo, 1209 Arch St., Philadelphia.

Pittsburg Cut Flower Co., 222 Oliver Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 15 Diamond Square, Pittsburg, Pa.

Randall, A. L., Co., 19-21 Randolph St., Chicago.

Rice Bros., 115 N. 6th St., Minneapolis, Minn.

Robinson & Co., H. M., 15 Province St., Boston.

Sheridan, Walter F., 131 W. 28th St., New York.

Smith, P. J., 49 W. 28th St., New York.

Smith, Wm. C., 1316 Pine St., St. Louis.

Traendley & Schenck, 131 W. 28th St., New York.

Vaughan & Sperry, 52 Wabash Ave., Chicago.

Weiland & Risch, 59 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston.

Young & Nugent, 42 W. 28th St., New York.

Zech & Mann, 51 Wabash Ave., Chicago.

**Growers.**

Bassett & Washburn, 76 Wabash Ave., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Dillon, J. L., Bloomsburg, Pa.

Elliott, W. H., Brighton, Mass.

Hill, E. G. Co., Richmond, Ind.

Reinberg, Geo., 51 Wabash Ave., Chicago.

Reinberg, Peter, 35 Randolph St., Chicago.

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Poehlmann Bros. Co., 33-37 Randolph St., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wittbold, Geo., 739 Buckingham Pl., Chicago.

### RETAIL CUT FLOWERS.

Albany, N. Y.—Eyes, 11 N. Pearl St.

Anderson, S. C.—The Anderson Floral Co., 583 Marshall Ave.

Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.

Boston—Thos. F. Galvin, Inc., 124 Tremont St. Brooklyn, N. Y.—"Wilson," 3 and 5 Greene Ave.

Buffalo, N. Y.—S. A. Anderson, 440 Main St.

Buffalo, N. Y.—W. J. Palmer & Son, 304 Main St.

Cincinnati—Julius Baer, 138 E. Fourth St.

Cleveland, O.—The Cleveland Cut Flower Co.

Cleveland, O.—The J. M. Gasser Co.

Colorado Springs, Colo.—Frank F. Crump.

Dayton, O.—Matthews, 16 W. 3rd St.

Denver, Colo.—Daniels & Fisher.

Denver, Colo.—The Park Floral Co.

Detroit, Mich.—John Breitmeyer's Sons, Miami and Gratiot Aves.

Grand Rapids, Mich.—Henry Smith.

Indianapolis—Bertermann Bros. Co., 241 Mass. Ave.

Kalamazoo and Battle Creek, Mich.—H. A. Fisher.

Kansas City—Geo. M. Kellogg Flower and Plant Co.

Kansas City—Samuel Murray, 913 Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower Co.

Lansing, Mich.—Gurdon B. Smith.

Los Angeles, Calif.—J. W. Wolfskill, 218 W. 4th St.

Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.

Milwaukee—C. C. Pollworth Co.

Montreal—McKenna.

New York—David Clark's Sons, 2139 Broadway.

New York—Dard's, 44th and Madison Ave.

New York—Alex. McConnell, 571 5th Ave.

New York—Myer, Florist, 609 Madison Ave.

Omaha, Neb.—Hess & Swoboda, 1415 Farnam St.

Pittsburg, Pa.—H. L. Blind & Bros.

Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.

Rochester, N. Y.—J. B. Keller Sons, 25 Clinton Ave. N.

St. Louis—Youngs, 1406 Olive St.

St. Paul, Minn.—Holm & Olson.

St. Paul, Minn.—L. L. May & Co.

San Francisco—J. B. Roland, 60 Kearney St.

Terre Haute, Ind.—John G. Heintz & Son, 129 So. 7th St.

Toronto, Can.—Dunlop's, 96 Yonge St.

Washington—Blackstone, 14th and H Sts.

Washington—Geo. H. Cooke, Conn. Ave. and L. St.

Washington—Gude Bros.

Washington—Geo. C. Shaffer, 14th and I Sts., N. W.

### BOILERS.

Gem City Return Tubular Firebox boilers. The Gem City Boiler Co., Dayton, O.

### BUILDING MATERIAL.

Building material, hotbed sash, cypress, unglazed 95c each; in doz. lots, 90c; glazed, \$1.65 each; doz. lots, \$1.60. Pine sash, unglazed, 90c; doz. lots, 85c; glazed, \$1.60; doz. lots, \$1.55 each. Building hardware, wire and wire fencing, bolts, batchets, hammers, etc. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building material, cypress sash bars, Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pipe fittings and all supplies needed in new or reconstruction work. Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Deitsch Co., 2642 Sheffield Ave., Chicago.

Building material, Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Building material, cold frames, hotbed sash. Hitchens & Co., 1170 Broadway, N. Y.

### GLAZING POINTS.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc never-rust glazing points, 2 sizes,  $\frac{5}{8}$  and  $\frac{7}{8}$ , 40c per lb.; 16c extra by mail; 7 lbs., \$2.50; 15 lbs., \$5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburgh, Pa.

Glazing points. Lord & Burnham special glazing nails (points). Lord & Burnham Co., 1133 Broadway, N. Y.

### GREENHOUSE CONSTRUCTION.

Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchens & Co., 1170 Broadway, New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

### GUTTERS.

Gutters, Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters, cast-iron. Lord & Burnham Improved V-shaped gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

Gutters, Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

### INSECTICIDES.

The Fumigating Kind Tobacco Powder, \$3 per bag 100 lbs. The H. A. Stothoff Co., Mount Vernon, N. Y.

Insecticides. Carmen's Antipest Insecticide and fungicide, \$1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Aphine, \$1 per qt.; \$2.50 per gal. Geo. E. Talmadge, Inc., Madison, N. J.

### MISCELLANEOUS.

Meyer green silkline. \$1.25 per lb., 8 spools to lb. Meyer violet thread for violets, \$1.25 per doz. spools of 500 yards each. John C. Meyer Co., 1449 Middlesex St., Lowell, Mass.

Cypress for greenhouse construction, benches, etc. Baker-Wakefield Cypress Co., Ltd., Platen-tville, La.

Mexican jumping beans, 60c per 100; \$5 per 1,000. J. A. McDowell, Apartado 167, Mexico City, Mex.

The Gunton Sulphur Vaporizer, \$2. Gunton & Oliver, 184 Summer St., Bradford, Pa.

Tile benches and tile bottoms. The Camp Conduit Co., Cleveland, O.

The Mastin Automatic Whitewash and Spraying Machine. J. G. Mastin & Co., 3124 W. Lake St., Chicago.

Plant bed cloth, waterproof sheeting, bay caps, etc. Henry Derby, 123 F. Chambers St., N. Y.

Pulverized Sheep Manure. Sheep's Head Brand. Natural Guano Co., Aurora, Ill.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

### PIPE.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U-bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., Western and 26th, Chicago.

Pipes and fittings, cast iron and wrought pipe, valves, elbows, pipe hooks, automatic air headers, etc. Lord & Burnham Co., 1133 Broadway, New York.

Iron fittings, patent iron bench fittings and roof supports. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Pipe and fittings. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Pipe, valve fittings. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

### POTS, PANS, ETC.

"NUFF SED." Best red pots are made by Geo. E. Feustel, Fairport, Iowa.

Pots, before buying write for prices. Geo. Keller & Sons, 2514-22 Herndon St., Chicago.

Pots, Florist red. Peters & Reed Pottery Co., Zanesville, O.

Pots, Syracuse red. Syracuse Pottery Co., Syracuse, N. Y.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots, Standard, all sizes. A. F. Kohr, 2934-38 N. Leavitt St., Chicago.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

### RAFFIA.

Raffia, bale lots. Vaughan's Seed Store, P. O. Drawer V, Chicago.

### STAKES.

Cane Stakes. Standard grade 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 for 1,000. Pipe stems about 6 feet, per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

### STEAM TRAPS.

Steam traps, the Standard return steam trap has no equal for its simplicity of working. E. Hippard, Youngstown, O.

Morehead Return Steam Traps. Morehead Mfg. Co., 1047 Grand River Ave., Detroit.

Detroit return traps. American Blower Co., Dept. A. F., Detroit, Mich.

## Catalogue Illustrations

We have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock. Our collection includes the leading

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BIENNIALS

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POT PLANTS

FLORISTS' FLOWERS  
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Also PARK and GARDEN SCENERY.

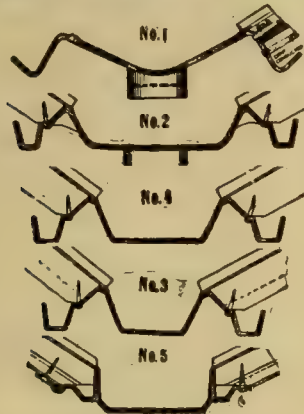
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DES PLAINES, ILL.

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## Materials and Plans

for any size and style of

## GREENHOUSE

for new structure or repairs.

**Hot Bed Sash** In stock or any size required.

## Pecky Cypress

for benches, lasting and least expensive.

**The Foley Mfg. Co.,**  
Western Ave and 26th St. CHICAGO.

## THE ALLIED TRADES

THE Gardner Artificial Lumber Co. has been organized for the purpose of making artificial lumber out of straw.

THE King Construction Co., North Tonawanda, N. Y., has received several good contracts recently: One for J. D. Larkin, Buffalo, N. Y., calls for two houses 21x87 feet to be built on his estate near Delaware park. The Buffalo Cement Co. is making an addition 30x120 feet to its present range at Main and Amherst streets, Buffalo, of the King Co.'s iron frame construction. The park commissioner of Buffalo has given the above company the contract for a greenhouse 20x107 feet to be attached to the present range on Elmwood avenue, at Delaware park.

## Greenhouse Building.

Baltimore, Md.—F. C. Bauer, two new greenhouses; A. Fiedler, carnation house 20x100 feet; James Hamilton, Mt. Washington, one greenhouse 24x100 feet.

Salt Lake City, Utah.—D. E. Law, a modern range of glass; the Miller Floral Co. addition to greenhouse plant.

New Rochelle, N. Y.—Hitchcock & Co., new conservatory; Louis Epple, several greenhouses.

Lincoln, Ill.—Gullett & Sons rebuilding a portion of their greenhouse plant.

Cincinnati, O.—Henry Schwarz rebuilding greenhouses and one new one.

## Attention!! Glass Buyers!!

## GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.

Quality A. No. 1. Prompt shipments.

## Hooker's Greenhouse White Paint

The most durable white paint for this purpose.

Half barrels, (25 gallons) per gal., \$1.70. 5 gal. pails, per gal., \$1.75

## H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone  
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651-659 Washington Boulevard, CHICAGO.

## CYPRESS

Is a wood that has come into very general use in

**Greenhouse Construction, Benches, Frames,**  
**Interior or Exterior Use.**

Inquire of your local dealer, or write us.

**BAKER-WAKEFIELD CYPRESS CO., Ltd.**  
**Manufacturers, PLATTENVILLE, LOUISIANA**

Use our patent  
Iron Bench  
Fittings and  
Roof Supports

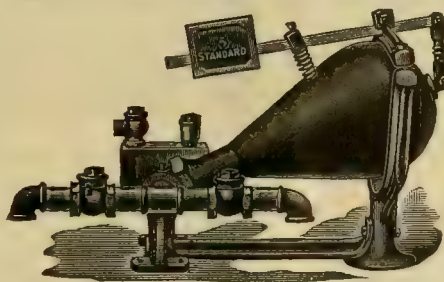
THE JENNINGS<sup>IMPROVED</sup>  
IRON GUTTER.

## IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

**DILLER, CASKEY & KEEN,**  
S. W. Corner Sixth and Berk Streets, PHILADELPHIA.

VENTILATING  
APPARATUS



## The Standard Steam Trap

Has established a record far above that of any other trap for florists; being very simple, durable and easily taken care of.

Catalogues of the Trap, Duplex Gutter, and Standard Ventilating Machinery, mailed free upon application.

**E. HIPPARD, Youngstown, O**

Monongahela, Mass.—The I. Shelby Crall Co., one greenhouse 40x100 feet.

Green Bay, Wis.—Carl Meier & Co., two greenhouses, 42x80 feet.

Pomfret, Conn.—Estate of Mrs. Geo. Bradley, one greenhouse.

Fond du Lac, Wis.—Bush & Broome, four greenhouses 16x100 feet.

Kansas City, Mo.—W. H. Humfeld, two houses, 20x100 feet each.

Columbus, O.—Ohio state school for the blind, one greenhouse.

Strawberry Point, Ia.—Fred Ullman, one greenhouse 43x83 feet.

Indianapolis, Ind.—Pahud Floral Co., two houses 12x75 feet.

Hastings, Neb.—C. W. Sidles, three greenhouses 38x150 feet.

Pelham, N. Y.—Henry Wagner, several greenhouses.

Huntsville, Ala.—John Scott, several greenhouses.

BUFFALO, N. Y.—New greenhouses are to be built in Delaware park and Humboldt park, the foundations being already in.

MEMPHIS, TENN.—Application for a charter for the Idlewild Greenhouses was filed in the office of the county register July 6. The company is to have a capital stock of \$20,000. The incorporators are: C. W. Schwill, T. G. Owen, W. H. Engelhart, Otto Schwill and I. H. Press.



It will certainly pay every florist and grower of outside stock to investigate the merits of

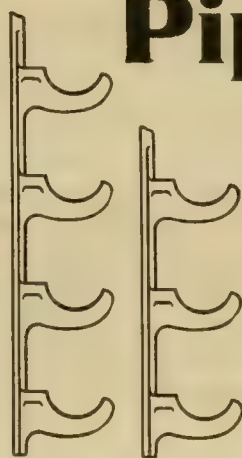
# The Wittbold Watering System

Under this method you can be assured of **even** watering at a minimum cost, both as to time and labor.

The installation is very inexpensive. Let us tell you all about it.

**E. H. HUNT,** 76-78 Wabash Ave., Chicago

## Pipe Hooks for all Uses



Pipe Hooks for Wood Posts.

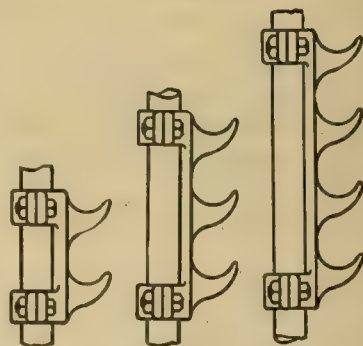
**I**t matters not whether you want them to attach to wooden posts to clamp around columns or to fit flat iron posts, we have all kinds in all sizes for both steam and hot water.

Also swing hangers for under bench piping. Swing hangers for suspending mains from the floor eye beams of the work room.

Anything and everything for heating systems of all kinds. Sixty years of heating engineering have given us our know how.

Send for our heating circular.

**Hitchings & Company**  
Elizabeth, N. J.



Pipe Hooks for Columns.

### The Steam Coal Situation.

Chicago.—The prolonged tieup in the Illinois soft coal mines has tended to force the price of contract steam coal to a point where figures quoted by the local dealers don't appeal to the florists and the greenhouse and nursery trade. The dealers promulgate information that there is no likelihood of prices going below the present figures, in view of the advanced freight rates and increased cost of mining the product per ton.

"This," stated J. R. MacFarland, assistant general sales agent of the O'Gara Coal Co. Marquette building, Chicago, "places us in a position where we are compelled to sit idly and see the contracts for steam coal snapped up by coal operators who obtain their supplies east of the Illinois-Indiana state line. Business, which has been on our books for several years, will, during the ensuing twelve months, at least, get away from us. However, there is some prospect that in the near future a settlement will be effected in the Illinois field; how soon? that is difficult for me to answer now."

## GOLSEN-DOAN COAL CO.

### Florists' Coal a Specialty

We make this special offer to florists

|                              |                                       |                |
|------------------------------|---------------------------------------|----------------|
| Brazil Indiana Block,        | - - -                                 | \$2.65 per ton |
| Genuine Pocahontas Mine Run, | running at least fifty per cent lump. | - 3.05 per ton |
| F. O. B. Chicago.            | Good things do not go begging long.   |                |

Old Colony Building, - - - CHICAGO.

Another feature of the steam coal situation right now is that while plenty of cars are available to move the business during the coming six weeks, when the crops commence to move in during the fall the difficulty of previous seasons in the shape of shortage of carriers will have to be considered.

In this connection the matter of anthracite coal looms up. While up to date something like 15 per cent of the total coal used by florists, nursery and greenhouse men for steam producing

purposes is anthracite, the percentage of hard coal will be increased from time to time in view of the continued legislation to curtail the smoke nuisance. This is especially true in the thickly settled and residential sections of Chicago, where florists and allied interests have steam producing plants. Meanwhile some large contracts for steam coal will come up for consideration during the coming six to ten weeks.

DEDHAM, MASS.—Edward Bingham and son are in Europe.



## The Moninger - Furman



Saves coal.  
Lasts a lifetime.  
No flues to clean and plug.  
Send for catalog.

**JOHN C. MONINGER CO.**  
CHICAGO  
902 Blackhawk St.

## The Burnham



Every operating part right on the front—shaker handle, smoke box damper handle, cleanout doors—everything. Send for Catalog.

**LORD AND BURNHAM CO.**  
IRVINGTON, N. Y.  
New York. Boston.  
Philadelphia Chicago.

NEW CASTLE, IND.—Levi A. Jennings has purchased the greenhouses near the Union depot.

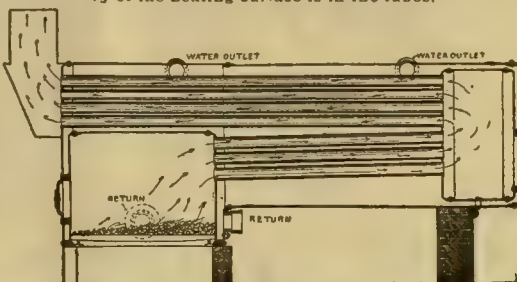
BALTIMORE, MD.—The greenhouse at the northwest corner of Dolphin and Bolton streets, which has been an old landmark of that neighborhood for many years, has been razed. Chas. A. Fox, one of the oldest florists in the city, established the business there in 1860. Now the demands made of him call for larger and more modern quarters, which he has begun to erect. The new buildings will consist of a modern three-story dwelling, office and greenhouses. They will be built of Roman brick, trimmed with brownstone. The improvements will cost between \$15,000 and \$20,000 and are expected to be completed about the latter part of November. The lot is 40x100 feet.

## The Superior Standard

### RETURN FLUE FIRE BOX BOILER

contains more heating surface, and less water space than any other steel boiler.  
 $\frac{3}{4}$  of the heating surface is in the tubes.

Ask the man that knows the one using different style boilers—names are yours for the asking.



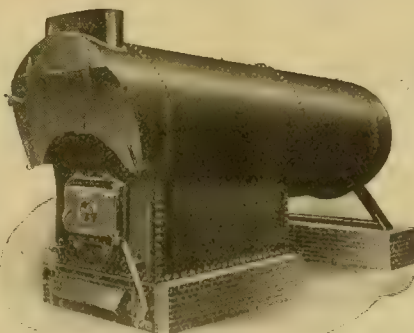
After using our boiler one season, you will say like all others: Nothing but "Superior" for me.

This boiler has given better satisfaction than any other boiler on the market  
MADE IN NINE (9) SIZES FOR HOT WATER.

Send for catalogue and list of growers that are using this boiler.

**THE SUPERIOR MACHINE & BOILER WORKS, 840-850 Superior St., Chicago.**

*Mention the American Florist when writing*



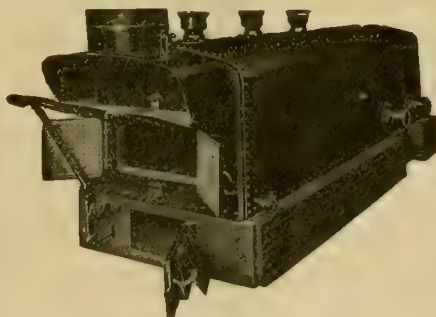
## The Gem City Return Tubular Firebox Boilers

Are the most economical for Greenhouse heating.

Send for descriptive matter and prices.

**THE GEM CITY BOILER CO.**  
DAYTON, OHIO.

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## SEE HOW WELL THEY LIKE ME

150 New Establishments with 2,158,000 square feet of glass have installed this boiler in 1906.

Ask for list of users and get acquainted with the men who know.

Catalogue and prices on application.

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## Steel Return Tubular Boilers

The Most Economical Type of Boiler for Greenhouse Heating. Highly recommended by well-known florists.

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NEW YORK.

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## Boiler Flues

4 in. and other sizes, cleaned and trimmed ready for heating, retubing boilers or gutter posts. Prices right. Also sales Agent for Stuttle's Patent Clamp for joining flues.

**H. MUNSON,**  
506 No. State Street, CHICAGO, IL

## WILKS' Hot Water Boilers ARE THE MOST ECONOMICAL Boiler for Greenhouses

No Night Fireman Required  
with our

**SELF-FEEDING HOT WATER BOILERS.**

Send for Catalog and Prices.

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3503 Shields Ave. CHICAGO.



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Contains 570 Pages.

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## **American Florist Co.**

**324 Dearborn St., Chicago.**





### Sheep's Head Brand Pulverized Sheep Manure



The Ideal  
Plant Food  
for Florists.

Write to  
day for  
Prices and  
Booklet.

NATURAL GUANO COMPANY, Aurora, Ill.  
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## Wired Toothpicks

10,000, \$1.75; 50,000, \$7.50. Manufactured by  
**W. J. COWEE, Berlin, N. Y.**  
Sample free. For sale by dealers.  
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## REED & KELLER, 122 W. 25th St., NEW YORK. FLORIST'S SUPPLIES.

We Manufacture all Our  
**Metal Designs, Baskets, Wire Work,  
and Novelties**, and are dealers in **Glass-  
ware, Pottery, Decorative Greens** and  
all **Florists' Requisites**.  
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### Sulphate of Ammonia in Agriculture.

Consul-General Richard Guenther, of Frankfort, reports that the consumption of sulphate of ammonia by the German farmers increased from 284,000 metric tons in 1908 to 330,000 in 1909. The consumption of Chile saltpeter was about 450,000 metric tons, so that, as far as the percentage of nitrogen is concerned, ammonia is already a trifle ahead of saltpeter. The Journal of the Association of German Engineers states that the development of the last 10 years points to the fact that, in the near future, ammonia will chiefly be used as an artificial fertilizer. Statistics show that Germany consumes its entire yearly production of 322,700 tons at home, England produces 348,000 tons, while the United

## The "Meyer Green Silkline"



is the only Green Thread that should be used by florists and growers. It is guaranteed full weight and full measure.

Also Violet Thread for tying up Violets. Price of both, \$1.25 per lb.

For sale by all first-class supply houses. If your dealer does not carry it in stock, write us direct, giving us his name.

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## The Mastin Automatic Whitewash and Spraying Machine Is Reliable, Practical and Durable



The tank is made of galvanized sheet steel, and in brass. The pump is of brass throughout, simple and powerful. The mixing device keeps the contents of the tank well stirred up from start to finish.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

All parts are made to gauge and may be had for repairs.

Ask your dealer about our **Extension Hose, Extension Rods,**

and the **Mastin Whitewash Nozzle** for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

**J. G. MASTIN & CO., 3124 West Lake St., CHICAGO, ILL.**

## Evergreen Brand Flower Fertilizer

Best plant food and most readily available.  
12-lb. cans \$2.00 each.

Other sizes pro rata.

For further particulars address

**D. D. JOHNSON CO., Man'rs.,  
64-66 Wabash Ave., Chicago.**

## H. BAYERSDORFER & CO.



**Florists'  
Supplies.**

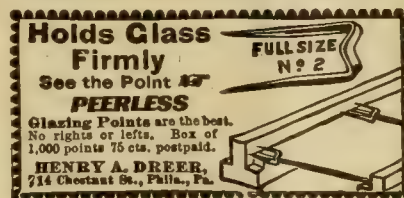
1129 Arch Street, PHILADELPHIA, PA.  
Send for our new catalogue.

## A. HERRMANN,

Cape Flowers, all colors, Cycas  
Leaves, Metal Designs and all  
Florist Supplies.

—Send For Prices—

404-412 East 34th St., NEW YORK.



—BURNED CLAY—  
**Tile Benches and Tile Bottoms**  
Gives results. Three styles of benches, including  
Iron Pipe Frame, with Tile Bottom and Sides.  
Write for descriptive circular and delivered  
prices. Any size benches.

**Tile Sides**

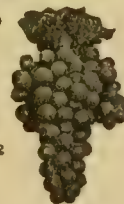
**THE CAMP CONDUIT CO.**  
Garfield Bldg., Cleveland, O.

States, in spite of its extensive use of coke as fuel, produces only 9,000 tons.

Has stood the test of over a Quarter of a Century.

## THOMSON'S Vine, Plant and Vegetable MANURE

UNRIVALLED  
FOR  
Vines.  
Tomatoes.  
Cucumbers.  
all Flowering.  
Foliage and  
Fruit bearing  
Plants.  
Vegetables.  
Lawns, etc.



The result of  
many years  
practical  
experience.

**PERFECT  
PLANT FOODS**

Sold by  
Leading  
American  
Seedsmen.

— ALSO —  
**Thomson's Special Chrysanthemum  
and Topdressing Manure**

Freight paid on quantities. Write for our  
special offer to the American trade, pamphlets,  
agents' circulars, etc., to sole makers,

**WM. THOMSON & SONS, Ltd.,  
Tweed Vineyard, Clovenfords, Scotland**

Mention the American Florist when writing

## Cattle Manure in Bags Shredded or Pulverized



Pure—dry—uniform and reliable.  
The best of all manures for the  
greenhouse. Florists all over the  
country are using it instead of  
rough manure.

## Pulverized Sheep Manure

Absolutely the best Sheep Manure on  
the market. Pure manure and nothing  
else. The best fertilizer for carnations and for  
liquid top-dressing. Unequalled for all field use.  
Write for circulars and prices.

**The Pulverized Manure Company  
32 Union Stock Yards, Chicago**

EAST ROCHESTER, N. H.—E. A. Cor-  
son will erect another greenhouse near  
his residence on Autumn street.



*Green Flies and  
Black ones too*

are easy to kill with  
**The Fumigating Kind Tobacco Powder**

\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back;  
why try cheap substitutes that makers do  
not dare to guarantee?

THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

Lock the door before the horse is stolen,  
and insure your glass before it is broken.

For particulars concerning  
Hail Insurance, address

**JOHN G. ESLER, Secretary**  
SADDLE RIVER, N. J.

Providence.

After the extremely hot and dry spell of the past three weeks, relief came last Wednesday in the form of a very heavy rain accompanied by thunder and lightning which lasted an hour and did a lot of good for all kinds of crops outdoors. It was a very hot week with a disagreeable amount of humidity in the atmosphere up to the time of the heavy shower, which made conditions more agreeable. Flowers show the effect of the weather, coming in softer and poorer every day, particularly roses and carnations, but there are still enough of a very fair quality to meet all demands. Outdoor flowers are plentiful. There is nothing doing except funeral orders, of which there was a fair number the past week. Carnations will be thrown out soon to make room for the field stock, which looks very much refreshed from the heavy showers. Gladioli are plentiful and bring very fair prices. The variety America seems to be the favorite. Sweet peas are coming in very plentiful and the Spencer varieties are the favorites. Water lilies are seen on almost every prominent business corner and are freely offered at low prices. Some of the country dealers in these flowers have undertaken to color them artificially pink and blue, and they look as if it was done with red ink or bluing. They made a very bad attempt to imitate the natural flower, as they are hideous looking specimens. Asters are very plentiful yet. Gypsophila is of good quality and is bought up quickly. Adiantum and asparagus are plentiful enough to supply all demands. Canterbury bells, coreopsis, larkspur, candytuft, mignonette and gaillardias all help to make an effective show at the stores.

#### NOTES.

City Forester Alex. Johnson reports all the money appropriated by the city government for the fighting of gypsy, brown tail and other tree pests is used up, and it is just at the present time a war on these pests should be going on, as they are making their appearance in great swarms all over the trees of this city and state. Mr. Johnson says he is doing all in his power to get another appropriation.

John Burke, who recently took possession of the place of William Hay, the rose grower on Dyer avenue, is cutting some very fine summer roses and says business is as good as it has been at this season of the year in his experience on this place, which is about from the time it was built—15 years ago.

John M. Greene, formerly with Stephen H. Briggs as gardener, has purchased land on Waldo street, form-

## Garman's Antipest

INSECTICIDE AND FUNGICIDE

For the Garden, Orchard and Greenhouse

Non-poisonous and harmless  
to vegetation.

Kills Green Fly, Aphides, Bark Lice,  
Thrips Mealy Bug, Red Spider,  
Scale, Wire Worms, Ants  
and Slugs.

This is the grower's Friend. Handy to use, cheap and effective, mixe readily in water. Destroys all insect pests and keeps down filth. Circulars on application. \$1.50 per gallon. Also in quarts, half gallons and in bulk.

**PERFECTION CHEMICAL CO.,**  
FLUSHING, N. Y.



## SIEBERT'S ZINC Never Rust GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes  $\frac{3}{4}$  and  $\frac{1}{2}$ , 40c per lb., by mail 16c extra; 7 lbs. for \$2.50 15 lbs. for \$5.00, by express. For sale by the trade.

**RANDOLPH & McCLEMENTS, Successors to**  
Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

GET OUR PRICES ON  
Galvanized Wire Rose Stakes and Tying Wire

## IGOE BROTHERS

Manufacturers of the Model Plant Supports for  
Carnations, Dahlias, Golden Glow, Peonies  
Chrysanthemums and Tomatoes.

63-71 Metropolitan Ave. **BROOKLYN, N. Y.**

erly owned by the late W. A. Monroe. There is a small greenhouse on this place which Mr. Greene intends to enlarge and modernize at once.

Carl Jurgens of Newport has abandoned his place on Mill street and is giving his entire attention to his new range at Middletown. He will set apart several of his Middletown houses, to the growing of lily of the valley.

John F. Wood has started in the fruit business for the summer months, but still continues to sell flowers at the same location. Mr. Wood finds cut flowers will not keep well in a refrigerator with fruit.

Robert Vanmeader of this city has purchased a farm at Swansea, Mass., on which there are several small greenhouses which he contemplates adding to in the near future.

Albert Bavier, who has been in charge of the flower department of L. Dimond & Sons, Inc., has severed his connections with this firm and is now at his home in Meriden, Conn.

Jas. B. Canning and wife have postponed their European trip on which they were to sail on August 1. Illness in Mrs. Canning's family caused the postponement.

A range of greenhouses is being erected on the estate of Arthur Curtis Brown at Newport. This work is being done by Hitchings & Co., New York.

William Appleton is not convalescing as fast as his many friends would like to see him. The extreme hot weather has not improved his condition any.

Hall & Lyon Co., a department store here, had a sale of sweet peas on Saturday, 25 flowers for 10 cents, and sold several hundred bunches.

The estate of Wm. Grosvenor, Newport, is erecting a range of greenhouses. Hitchings & Co of New York are the contractors.

Rain fell in generous quantities all Saturday night and all outdoor plants and crops are looking thoroughly refreshed.

Max Villers, with Johnston Bros., on Dorrance street, is spending his vacation at Narragansett Pier.

# Aphine's

## Increasing Popularity

As a General Insecticide for  
Destroying Greenhouse  
and Outdoor Pests

Is due to the hearty endorsements of the many expert floriculturists who have thoroughly tested APHINE and have not found it wanting.

Its success is the talk of the trade.

**It does all that is claimed  
for it, and more.**

Ask your supply house for APHINE, or write us for name of our nearest selling agency.

**Aphine Manufacturing Co.**  
MADISON, N. J.



**THE BEST  
Bug Killer and  
Bloom Saver**

For PROOF  
Write to

**P. R. PALETHORPE  
COMPANY,**  
Owensboro, Ky.

**MASTICA**  
FOR Greenhouse Glazing  
**USE IT NOW.**  
**F.O. PIERCE CO.**  
12 W. BROADWAY  
NEW YORK

**MASTICA** is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass, as occurs with putty. **Lasts longer than putty.** Easy to apply

Harry L. Turner of the National Folding Box and Paper Co., was in town during the week.

J. BRINTON.

TACOMA, WASH.—John Watson has opened a store on Eleventh street and finds business very good there for this time of year.

ITHACA, N. Y.—Arthur H. Bool, proprietor of the Bool Floral Co., accompanied by two children and Mr. Bool's uncle, Henry Bool, left, July 10, for England. They expect to be absent about five weeks.















